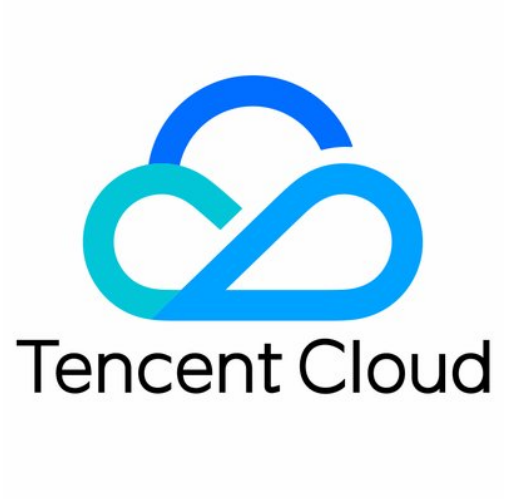
Virtual Private Cloud

API Documentation

Product Documentation



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API Documentation History

Last updated：2025-05-21 17:41:38

Release 55

Release time: 2025-05-21 17:40:32

Release updates:

Improvement to existing documentation.

New APIs:

- AddTemplateMember
- DeleteTemplateMember
- ModifyTemplateMember

New data structures:

- MemberInfo

Release 54

Release time: 2025-04-25 11:56:58

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeInstanceJumbo

New data structures:

- InstanceJumbo

Release 53

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Release time: 2025-04-24 18:07:56

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateBandwidthPackage
  - New input parameters:Egress

Release 52

Release time: 2025-04-01 16:29:35

Release updates:

Improvement to existing documentation.

New APIs:

- DisableRoutes
- EnableRoutes

Release 51

Release time: 2025-03-12 19:51:34

Release updates:

Improvement to existing documentation.

Modified APIs:

- AllocateAddresses
  - New input parameters:IsDedicatedAddressPool

Release 50

Release time: 2025-02-18 10:39:11

Release updates:

Improvement to existing documentation.

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New APIs:

- AllocateIPv6Addresses
- AllocateIp6AddressesBandwidth
- AssociateIPv6Address
- DescribeIPv6Addresses
- DescribeIp6Addresses
- DisassociateIPv6Address
- ModifyIPv6AddressesAttributes
- ModifyIPv6AddressesBandwidth
- ModifyIp6AddressesBandwidth
- ReleaseIPv6Addresses
- ReleaseIp6AddressesBandwidth

Modified data structures:

- Address
  - New members:UnVpcId, DedicatedClusterId

Release 49

Release time: 2024-12-30 20:39:09

Release updates:

Improvement to existing documentation.

New APIs:

- InquiryPriceRenewAddresses

Release 48

Release time: 2024-12-30 20:27:02

Release updates:

Improvement to existing documentation.

New APIs:

- InquiryPriceModifyAddressesBandwidth

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Release 47

Release time: 2024-12-30 14:40:26

Release updates:

Improvement to existing documentation.

New APIs:

- InquiryPriceAllocateAddresses

New data structures:

- InternetPrice
- InternetPriceDetail

Release 46

Release time: 2024-11-25 20:02:07

Release updates:

Improvement to existing documentation.

New APIs:

- CreateReserveIpAddresses
- DeleteReserveIpAddresses
- DescribeReserveIpAddresses
- ModifyReserveIpAddress

Modified APIs:

- AllocateAddresses
  - New input parameters:VipCluster, DedicatedClusterId
- AssignPrivateIpAddresses
  - New input parameters:ClientToken
- CheckNetDetectState
  - **Modified input parameters:** NextHopType, NextHopDestination
- CreateAndAttachNetworkInterface
  - New input parameters:ClientToken
- CreateBandwidthPackage

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  - New input parameters:TimeSpan
- CreateHaVip
  - **Modified input parameters:** SubnetId
- CreateNatGateway
  - **Deprecate input parameters:** SubnetId
- CreateNetworkInterface
  - New input parameters:ClientToken
- DeleteRoutes
  - **Modified input parameters:** Routes
- DescribeRouteTables
  - New input parameters:NeedRouterInfo

New data structures:

- ReserveIpAddressInfo

Modified data structures:

- AddressTemplate
  - **Modified members:** CreatedTime
- AddressTemplateGroup
  - **Modified members:** CreatedTime
- BandwidthPackage
  - New members:Egress
- BandwidthPackageBillBandwidth
  - **Modified members:** BandwidthUsage
- CCN
  - **Modified members:** CcnId, CcnName, CcnDescription, InstanceCount, CreateTime, State, QosLevel, InstanceChargeType, BandwidthLimitType, TagSet, RoutePriorityFlag, RouteTableCount, RouteTableFlag, IsSecurityLock, RouteBroadcastPolicyFlag
- CcnInstance
  - **Modified members:** InstanceType
- CcnRoute
  - **Modified members:** RouteId
- DestinationIpPortTranslationNatRule
  - **Modified members:** Description
- DirectConnectGatewayCcnRoute
  - **Modified members:** RouteId, DestinationCidrBlock, ASPath, Description, UpdateTime
- FlowLog

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  - **Modified members:** VpcId, FlowLogId, FlowLogName, ResourceType, ResourceId, TrafficType, CloudLogId, CloudLogState, FlowLogDescription, CreatedTime
- IPSECOptionsSpecification
  - **Deprecate members:** IntegrityAlgorith
- IpGeolocationInfo
  - **Modified members:** Country, Province, City, Region, Isp, AsName, AsId, Comment
- ItemPrice
  - **Modified members:** UnitPrice, ChargeUnit, OriginalPrice, DiscountPrice
- NatGateway
  - New members:SmartScheduleMode
- NatGatewayAddress
  - **Modified members:** AddressId, PublicIpAddress, IsBlocked
- NatGatewayDestinationIpPortTranslationNatRule
  - **Modified members:** IpProtocol, Description
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  - **Modified members:** ModifyTime
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  - **Modified members:** CreatedTime
- Tag
  - **Modified members:** Value
- Vpc
  - **Modified members:** IsDefault, CreatedTime

Release 45

Release time: 2024-11-19 10:13:33

Release updates:

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Improvement to existing documentation.

Modified APIs:

- DescribeCrossBorderCompliance
  - New input parameters:LegalPersonId

Release 44

Release time: 2024-11-08 16:38:04

Release updates:

Improvement to existing documentation.

New APIs:

- ModifyBandwidthPackageBandwidth

Release 43

Release time: 2024-10-30 18:19:32

Release updates:

Improvement to existing documentation.

New APIs:

- ModifyAddressesRenewFlag

Release 42

Release time: 2024-07-10 16:15:50

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateNatGateway
  - New input parameters:NatProductVersion

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Release 41

Release time: 2024-07-10 15:39:17

Release updates:

Improvement to existing documentation.

Modified data structures:

- Address
  - New members:Egress, RenewFlag, BandwidthPackageId

Release 40

Release time: 2023-08-23 09:38:50

Release updates:

Improvement to existing documentation.

New APIs:

- DeleteTrafficPackages
- GenerateVpnConnectionDefaultHealthCheckIp

Modified APIs:

- AllocateAddresses
  - New input parameters:AntiDDoSPackageId, ClientToken
- DescribeSecurityGroups
  - New input parameters:OrderField, OrderDirection
- DescribeVpcEndPointService
  - New input parameters:IsListAuthorizedEndPointService
- ModifyVpcAttribute
  - New input parameters:EnableCdcPublish

Modified data structures:

- NatGateway
  - New members:NatProductVersion

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Release 39

Release time: 2023-07-11 17:04:51

Release updates:

Improvement to existing documentation.

New APIs:

- ReplaceSecurityGroupPolicies

Modified APIs:

- CreateHaVip
  - New input parameters:NetworkInterfaceId
- DescribeVpnGatewayRoutes
  - New output parameters:TotalCount

Modified data structures:

- Address
  - New members:DeadlineDate, InstanceType, AntiDDoSPackageId
  - **Modified members:** AddressId, AddressName, AddressStatus, AddressIp, InstanceId, CreatedTime
- AddressTemplateItem
  - New members:AddressTemplateId, AddressTemplateName
  - **Modified members:** From, To
- CcnBandwidthInfo
  - New members:TagSet
- DefaultVpcSubnet
  - New members:VpcName, SubnetName, CidrBlock

Release 38

Release time: 2023-05-19 16:53:15

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeSubnetResourceDashboard

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- DescribeUsedIpAddress

Modified APIs:

- AssignPrivateIpAddresses
  - New input parameters:QosLevel
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New data structures:

- IpAddressStates
- ResourceStatistics
- ResourceStatisticsItem

Modified data structures:

- PrivateIpAddressSpecification
  - New members:QosLevel

Release 37

Release time: 2023-05-17 16:18:04

Release updates:

Improvement to existing documentation.

New APIs:

- AttachSnapshotInstances
- CreateSnapshotPolicies
- DeleteSnapshotPolicies
- DescribeSgSnapshotFileContent
- DescribeSnapshotAttachedInstances
- DescribeSnapshotFiles
- DescribeSnapshotPolicies

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- DetachSnapshotInstances
- DisableSnapshotPolicies
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Modified APIs:

- DescribeVpcTaskResult
  - New output parameters:Result

New data structures:

- BackupPolicy
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- SnapshotFileInfo
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Modified data structures:

- CCN
  - New members:IsSecurityLock, RouteBroadcastPolicyFlag
  - **Modified members:** CcnId, CcnName, CcnDescription, InstanceCount, CreateTime, State, QosLevel, InstanceChargeType, BandwidthLimitType, TagSet, RoutePriorityFlag, RouteTableCount, RouteTableFlag
- VpngwCcnRoutes
  - New members:DestinationCidrBlock

Release 36

Release time: 2023-01-11 14:55:11

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeTrafficPackages
- ReturnNormalAddresses

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- SetVpnGatewaysRenewFlag

Modified APIs:

- AllocateAddresses
  - New input parameters:Egress
- CreateVpcEndPointService
  - New input parameters:ServiceType
- ModifyBandwidthPackageAttribute
  - **Deleted input parameters:** MigrateOnRefund
- TransformAddress
  - New output parameters:TaskId, AddressId

New data structures:

- TrafficPackage

Modified data structures:

- EndPointService
  - New members:ServiceType
- NatGateway
  - New members:RestrictState
- NetworkInterface
  - New members:ResourceId, QosLevel
  - **Modified members:** NetworkInterfaceId, NetworkInterfaceName, SubnetId, VpcId, MacAddress, State, PrivateIpAddressSet, Ipv6AddressSet, TagSet, EniType, Business, CdcId, AttachType

Release 35

Release time: 2022-09-05 10:15:27

Release updates:

Improvement to existing documentation.

Modified data structures:

- VpnConnection
  - New members:DpdEnable, DpdTimeout, DpdAction, TagSet, NegotiationType

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Release 34

Release time: 2022-08-24 17:30:59

Release updates:

Improvement to existing documentation.

New APIs:

- CreateNetworkAclQuintupleEntries
- DeleteNetworkAclQuintupleEntries
- DescribeNetworkAclQuintupleEntries
- ModifyNetworkAclQuintupleEntries

Modified APIs:

- CreateNetworkAcl
  - New input parameters:NetworkAclType, Tags
- ModifyNetworkAclEntries
  - New input parameters:NetworkAclQuintupleSet

New data structures:

- NetworkAclQuintupleEntries
- NetworkAclQuintupleEntry

Modified data structures:

- NetworkAcl
  - New members:NetworkAclType, TagSet

Release 33

Release time: 2022-07-06 11:20:17

Release updates:

Improvement to existing documentation.

New APIs:

- AdjustPublicAddress

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Modified APIs:

- ModifyNetworkAclEntries
  - **Modified input parameters:** NetworkAclEntrySet

Release 32

Release time: 2022-07-04 10:53:06

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateFlowLog
  - New input parameters:CloudLogRegion
- DescribeFlowLogs
  - New input parameters:CloudLogRegion

Modified data structures:

- FlowLog
  - New members:CloudLogRegion

Release 31

Release time: 2022-06-30 14:50:50

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeNatGatewayDirectConnectGatewayRoute
- RefreshDirectConnectGatewayRouteToNatGateway

Modified APIs:

- CreateNetworkInterface
  - New input parameters:TrunkingFlag
- DescribeNetworkInterfaceLimit

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  - New output parameters:SubEniQuantity, SubEniPrivateIpAddressQuantity
- ModifyNetworkInterfaceAttribute
  - New input parameters:TrunkingFlag

New data structures:

- DirectConnectSubnet
- NatDirectConnectGatewayRoute

Release 30

Release time: 2022-06-23 15:12:29

Release updates:

Improvement to existing documentation.

New APIs:

- AssociateNatGatewayAddress
- AssociateNetworkAclSubnets
- CreateAssistantCidr
- CreateNatGateway
- CreateNatGatewayDestinationIpPortTranslationNatRule
- CreateNatGatewaySourceIpTranslationNatRule
- CreateNetworkAcl
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- DeleteNatGateway
- DeleteNatGatewayDestinationIpPortTranslationNatRule
- DeleteNatGatewaySourceIpTranslationNatRule
- DeleteNetworkAcl
- DescribeGatewayFlowQos
- DescribeNatGatewayDestinationIpPortTranslationNatRules
- DescribeNatGatewaySourceIpTranslationNatRules
- DescribeNatGateways
- DescribeVpcTaskResult
- DisableGatewayFlowMonitor
- DisassociateNatGatewayAddress
- DisassociateNetworkAclSubnets
- EnableGatewayFlowMonitor

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- ModifyAssistantCidr
- ModifyGatewayFlowQos
- ModifyNatGatewayAttribute
- ModifyNatGatewayDestinationIpPortTranslationNatRule
- ModifyNatGatewaySourceIpTranslationNatRule
- ModifyNetworkAclAttribute
- ModifyNetworkAclEntries
- NotifyRoutes
- ResetNatGatewayConnection
- WithdrawNotifyRoutes

New data structures:

- DestinationIpPortTranslationNatRule
- GatewayQos
- NatGateway
- NatGatewayAddress
- NatGatewayDestinationIpPortTranslationNatRule
- NetworkAclEntrySet
- SourceIpTranslationNatRule

Release 29

Release time: 2022-05-31 14:44:16

Release updates:

Improvement to existing documentation.

New APIs:

- DisableFlowLogs
- EnableFlowLogs

Deleted APIs:

- CreateNatGatewayDestinationIpPortTranslationNatRule
- CreateNatGatewaySourceIpTranslationNatRule

Deleted data structures:

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- DestinationIpPortTranslationNatRule
- SourceIpTranslationNatRule

Release 28

Release time: 2022-03-31 16:45:13

Release updates:

Improvement to existing documentation.

Deleted APIs:

- AssociateNatGatewayAddress
- CreateNatGateway
- DeleteNatGateway
- DeleteNatGatewayDestinationIpPortTranslationNatRule
- DeleteNatGatewaySourceIpTranslationNatRule
- DescribeNatGatewayDestinationIpPortTranslationNatRules
- DescribeNatGatewaySourceIpTranslationNatRules
- DescribeNatGateways
- DisassociateNatGatewayAddress
- InquiryPriceCreateVpnGateway
- ModifyNatGatewayAttribute
- ModifyNatGatewayDestinationIpPortTranslationNatRule
- ModifyNatGatewaySourceIpTranslationNatRule
- ResetNatGatewayConnection

Deleted data structures:

- NatGateway
- NatGatewayAddress
- NatGatewayDestinationIpPortTranslationNatRule

Release 27

Release time: 2022-03-24 14:48:42

Release updates:

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Improvement to existing documentation.

Deleted APIs:

- AssociateNetworkAclSubnets
- CreateAssistantCidr
- CreateNetworkAcl
- DeleteAssistantCidr
- DeleteNetworkAcl
- DescribeGatewayFlowQos
- DescribeVpcTaskResult
- DisableGatewayFlowMonitor
- DisassociateNetworkAclSubnets
- EnableGatewayFlowMonitor
- ModifyAssistantCidr
- ModifyGatewayFlowQos
- ModifyNetworkAclAttribute
- ModifyNetworkAclEntries
- NotifyRoutes
- WithdrawNotifyRoutes

Deleted data structures:

- GatewayQos
- NetworkAclEntrySet

Modified data structures:

- CcnBandwidthInfo
  - New members:MarketId

Release 26

Release time: 2022-01-28 10:33:36

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateFlowLog

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- New input parameters:StorageType, FlowLogStorage
- **Modified input parameters:** CloudLogId

New data structures:

- FlowLogStorage

Modified data structures:

- FlowLog
  - New members:Enable, StorageType, FlowLogStorage

Release 25

Release time: 2022-01-18 17:00:08

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateDirectConnectGateway
  - New input parameters:HaZoneGroupId
- CreateVpnConnection
  - New input parameters:NegotiationType, DpdEnable, DpdTimeout, DpdAction
- DescribeSecurityGroupPolicies
  - New input parameters:Filters
- ModifyVpnConnectionAttribute
  - New input parameters:NegotiationType, DpdEnable, DpdTimeout, DpdAction

Modified data structures:

- DirectConnectGateway
  - New members:EnableFlowDetails, FlowDetailsUpdateTime, NewAfc, AccessNetworkType, HaZoneList
- DirectConnectGatewayCcnRoute
  - New members:Description, UpdateTime

Release 24

Release time: 2021-11-30 11:29:06

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Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateAddressTemplate
  - New input parameters:AddressesExtra
  - **Modified input parameters:** Addresses
- CreateServiceTemplate
  - New input parameters:ServicesExtra
  - **Modified input parameters:** Services
- CreateVpnGateway
  - New input parameters:CdcId, MaxConnection
- ModifyAddressTemplateAttribute
  - New input parameters:AddressesExtra
- ModifyBandwidthPackageAttribute
  - New input parameters:MigrateOnRefund
- ModifyServiceTemplateAttribute
  - New input parameters:ServicesExtra
- UnassignPrivateIpAddresses
  - New input parameters:InstanceId

New data structures:

- AddressInfo
- ServicesInfo

Modified data structures:

- AddressTemplate
  - New members:AddressExtraSet
- SecurityGroup
  - New members:UpdateTime
- ServiceTemplate
  - New members:ServiceExtraSet
- VpnGateway
  - New members:CdcId, MaxConnection

Release 23

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Release time: 2021-09-29 17:56:13

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateVpnConnection
  - New input parameters:RouteType
  - **Modified input parameters:** VpcId, SecurityPolicyDatabases

Release 22

Release time: 2021-09-10 17:06:59

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateFlowLog
  - **Modified input parameters:** VpcId
- DeleteFlowLog
  - **Modified input parameters:** VpcId
- ModifyFlowLogAttribute
  - **Modified input parameters:** VpcId

Release 21

Release time: 2021-08-05 15:01:18

Release updates:

Improvement to existing documentation.

Modified data structures:

- CCN
  - New members:RouteTableCount, RouteTableFlag
- CcnAttachedInstance
  - New members:RouteTableId, RouteTableName

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- CcnInstance
  - New members:RouteTableId

Release 20

Release time: 2021-08-02 17:20:02

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeVpcTaskResult

Modified APIs:

- AssociateAddress
  - New input parameters:EipDirectConnection

Release 19

Release time: 2021-07-23 10:21:08

Release updates:

Improvement to existing documentation.

Modified data structures:

- NatGateway
  - New members:SourceIpTranslationNatRuleSet, IsExclusive, ExclusiveGatewayBandwidth

Release 18

Release time: 2021-07-06 16:34:25

Release updates:

Improvement to existing documentation.

New APIs:

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- CreateVpnGatewayRoutes
- DeleteVpnGatewayRoutes
- DescribeVpnGatewayRoutes
- ModifyVpnGatewayRoutes

Modified APIs:

- DescribeCrossBorderCompliance
  - New input parameters:Offset, Limit

New data structures:

- VpnGatewayRoute
- VpnGatewayRouteModify

Release 17

Release time: 2021-06-08 19:53:41

Release updates:

Improvement to existing documentation.

Modified APIs:

- AttachNetworkInterface
  - New input parameters:AttachType
- CreateAndAttachNetworkInterface
  - New input parameters:AttachType
- CreateNetDetect
  - **Modified input parameters:** NextHopType, NextHopDestination
- DescribeNetworkInterfaceLimit
  - New output parameters:ExtendEniQuantity, ExtendEniPrivateIpAddressQuantity
- MigrateNetworkInterface
  - New input parameters:AttachType
- SetCcnRegionBandwidthLimits
  - New input parameters:SetDefaultLimitFlag

Modified data structures:

- Address

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  - New members:TagSet
- NetworkInterface
  - New members:AttachType

Release 16

Release time: 2021-05-24 16:16:20

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateDirectConnectGateway
  - New input parameters:Zone

Modified data structures:

- DirectConnectGateway
  - New members:LocalZone, Zone

Release 15

Release time: 2021-05-12 10:19:17

Release updates:

Improvement to existing documentation.

Modified APIs:

- AllocateAddresses
  - New input parameters:AddressName

Release 14

Release time: 2021-04-28 17:49:41

Release updates:

Improvement to existing documentation.

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New APIs:

- CreateLocalGateway
- CreateVpcEndPoint
- CreateVpcEndPointService
- CreateVpcEndPointServiceWhiteList
- DeleteLocalGateway
- DeleteVpcEndPoint
- DeleteVpcEndPointService
- DeleteVpcEndPointServiceWhiteList
- DescribeLocalGateway
- DescribeVpcEndPoint
- DescribeVpcEndPointService
- DescribeVpcEndPointServiceWhiteList
- DisassociateVpcEndPointSecurityGroups
- EnableVpcEndPointConnect
- ModifyLocalGateway
- ModifyVpcEndPointAttribute
- ModifyVpcEndPointServiceAttribute
- ModifyVpcEndPointServiceWhiteList

New data structures:

- EndPoint
- EndPointService
- LocalGateway
- VpcEndPointServiceUser

Release 13

Release time: 2021-04-25 17:13:49

Release updates:

Improvement to existing documentation.

New APIs:

- ModifyCcnAttachedInstancesAttribute

Modified APIs:

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- CreateSubnet
  - New input parameters:CdcId
- CreateSubnets
  - New input parameters:CdcId
- ReplaceRoutes
  - New output parameters:OldRouteSet, NewRouteSet

Modified data structures:

- CcnAttachedInstance
  - New members:Description
- CcnInstance
  - New members:Description
- NetworkInterface
  - New members:CdcId
- Subnet
  - New members:CdcId, IsCdcSubnet

Release 12

Release time: 2021-04-06 11:08:50

Release updates:

Improvement to existing documentation.

Modified data structures:

- Route
  - New members:CreatedTime

Release 11

Release time: 2021-03-19 16:24:27

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeCcnRegionBandwidthLimits

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Release 10

Release time: 2021-02-22 15:04:39

Release updates:

Improvement to existing documentation.

New APIs:

- CreateNatGatewaySourceIpTranslationNatRule
- DeleteNatGatewaySourceIpTranslationNatRule
- DescribeNatGatewaySourceIpTranslationNatRules
- ModifyNatGatewaySourceIpTranslationNatRule
- NotifyRoutes
- WithdrawNotifyRoutes

New data structures:

- CidrForCcn
- SourceIpTranslationNatRule

Modified data structures:

- NetworkInterface
  - New members:Business
- Route
  - New members:PublishedToVbc
- RouteTable
  - New members:LocalCidrForCcn

Release 9

Release time: 2021-02-05 14:28:37

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateVpnConnection
  - New input parameters:EnableHealthCheck, HealthCheckLocalIp, HealthCheckRemoteIp

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- DeleteRoutes
  - New output parameters:RouteSet
- ModifyVpnConnectionAttribute
  - New input parameters:EnableHealthCheck, HealthCheckLocalIp, HealthCheckRemoteIp

Modified data structures:

- FlowLog
  - New members:TagSet
- VpnConnection
  - New members:EnableHealthCheck, HealthCheckLocalIp, HealthCheckRemoteIp, HealthCheckStatus

Release 8

Release time: 2021-01-22 09:53:55

Release updates:

Improvement to existing documentation.

New APIs:

- CloneSecurityGroup

Modified APIs:

- ModifyNatGatewayAttribute
  - New input parameters:ModifySecurityGroup, SecurityGroupIds

Modified data structures:

- NatGateway
  - New members:SecurityGroupSet

Release 7

Release time: 2020-12-21 16:56:49

Release updates:

Improvement to existing documentation.

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New APIs:

- DescribeIpGeolocationInfos
- InquirePriceCreateDirectConnectGateway

Modified APIs:

- CreateDirectConnectGateway
  - New input parameters:ModeType
- ModifyDirectConnectGatewayAttribute
  - New input parameters:ModeType

New data structures:

- IpField
- IpGeolocationInfo

Modified data structures:

- DirectConnectGateway
  - New members:VXLANSupport, ModeType

Release 6

Release time: 2020-12-04 12:39:24

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeIpGeolocationDatabaseUrl

Modified APIs:

- ReplaceSecurityGroupPolicy
  - New input parameters:OriginalSecurityGroupPolicySet

Release 5

Release time: 2020-10-22 16:14:54

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Release updates:

Improvement to existing documentation.

New APIs:

- DescribeBandwidthPackageBillUsage

New data structures:

- BandwidthPackageBillBandwidth

Release 4

Release time: 2020-10-16 18:40:33

Release updates:

Improvement to existing documentation.

New APIs:

- DescribeBandwidthPackageResources

Modified APIs:

- AllocateAddresses
  - New input parameters:AddressChargePrepaid

Modified data structures:

- AddressChargePrepaid
  - New members:AutoRenewFlag
  - **Deleted members:** RenewFlag

Release 3

Release time: 2020-09-10 17:10:34

Release updates:

Improvement to existing documentation.

New APIs:

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- AuditCrossBorderCompliance
- DescribeCrossBorderCompliance

Modified APIs:

- CreateFlowLog
  - New input parameters:Tags

New data structures:

- CrossBorderCompliance

Modified data structures:

- Address
  - New members:LocalBgp, Bandwidth, InternetChargeType

Release 2

Release time: 2020-08-13 23:24:46

Release updates:

Improvement to existing documentation.

Modified APIs:

- CreateNatGateway
  - New input parameters:SubnetId

Modified data structures:

- DirectConnectGateway
  - New members:NatGatewayId

Existing Release

Release time: 2020-07-24 14:25:22

Existing APIs/data structures are as follows:

Improvement to existing documentation.

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Existing APIs:

- AcceptAttachCcnInstances
- AddBandwidthPackageResources
- AllocateAddresses
- AssignIpv6Addresses
- AssignIpv6CidrBlock
- AssignIpv6SubnetCidrBlock
- AssignPrivateIpAddresses
- AssociateAddress
- AssociateNatGatewayAddress
- AssociateNetworkAclSubnets
- AssociateNetworkInterfaceSecurityGroups
- AttachCcnInstances
- AttachClassicLinkVpc
- AttachNetworkInterface
- CheckAssistantCidr
- CheckNetDetectState
- CreateAddressTemplate
- CreateAddressTemplateGroup
- CreateAndAttachNetworkInterface
- CreateAssistantCidr
- CreateBandwidthPackage
- CreateCcn
- CreateCustomerGateway
- CreateDefaultVpc
- CreateDirectConnectGateway
- CreateDirectConnectGatewayCcnRoutes
- CreateFlowLog
- CreateHaVip
- CreateNatGateway
- CreateNatGatewayDestinationIpPortTranslationNatRule
- CreateNetDetect
- CreateNetworkAcl
- CreateNetworkInterface
- CreateRouteTable
- CreateRoutes
- CreateSecurityGroup

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- CreateSecurityGroupPolicies
- CreateSecurityGroupWithPolicies
- CreateServiceTemplate
- CreateServiceTemplateGroup
- CreateSubnet
- CreateSubnets
- CreateVpc
- CreateVpnConnection
- CreateVpnGateway
- DeleteAddressTemplate
- DeleteAddressTemplateGroup
- DeleteAssistantCidr
- DeleteBandwidthPackage
- DeleteCcn
- DeleteCustomerGateway
- DeleteDirectConnectGateway
- DeleteDirectConnectGatewayCcnRoutes
- DeleteFlowLog
- DeleteHaVip
- DeleteNatGateway
- DeleteNatGatewayDestinationIpPortTranslationNatRule
- DeleteNetDetect
- DeleteNetworkAcl
- DeleteNetworkInterface
- DeleteRouteTable
- DeleteRoutes
- DeleteSecurityGroup
- DeleteSecurityGroupPolicies
- DeleteServiceTemplate
- DeleteServiceTemplateGroup
- DeleteSubnet
- DeleteVpc
- DeleteVpnConnection
- DeleteVpnGateway
- DescribeAccountAttributes
- DescribeAddressQuota
- DescribeAddressTemplateGroups
- DescribeAddressTemplates

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- DescribeAddresses
- DescribeAssistantCidr
- DescribeBandwidthPackageQuota
- DescribeBandwidthPackages
- DescribeCcnAttachedInstances
- DescribeCcnRoutes
- DescribeCcns
- DescribeClassicLinkInstances
- DescribeCustomerGatewayVendors
- DescribeCustomerGateways
- DescribeDirectConnectGatewayCcnRoutes
- DescribeDirectConnectGateways
- DescribeFlowLog
- DescribeFlowLogs
- DescribeGatewayFlowMonitorDetail
- DescribeGatewayFlowQos
- DescribeHaVips
- DescribeNatGatewayDestinationIpPortTranslationNatRules
- DescribeNatGateways
- DescribeNetDetectStates
- DescribeNetDetects
- DescribeNetworkAcls
- DescribeNetworkInterfaceLimit
- DescribeNetworkInterfaces
- DescribeRouteTables
- DescribeSecurityGroupAssociationStatistics
- DescribeSecurityGroupPolicies
- DescribeSecurityGroupReferences
- DescribeSecurityGroups
- DescribeServiceTemplateGroups
- DescribeServiceTemplates
- DescribeSubnets
- DescribeTaskResult
- DescribeVpcInstances
- DescribeVpcIpv6Addresses
- DescribeVpcPrivateIpAddresses
- DescribeVpcResourceDashboard
- DescribeVpcs

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- DescribeVpnConnections
- DescribeVpnGatewayCcnRoutes
- DescribeVpnGateways
- DetachCcnInstances
- DetachClassicLinkVpc
- DetachNetworkInterface
- DisableCcnRoutes
- DisableGatewayFlowMonitor
- DisassociateAddress
- DisassociateNatGatewayAddress
- DisassociateNetworkAclSubnets
- DisassociateNetworkInterfaceSecurityGroups
- DownloadCustomerGatewayConfiguration
- EnableCcnRoutes
- EnableGatewayFlowMonitor
- GetCcnRegionBandwidthLimits
- HaVipAssociateAddressIp
- HaVipDisassociateAddressIp
- InquiryPriceCreateVpnGateway
- InquiryPriceRenewVpnGateway
- InquiryPriceResetVpnGatewayInternetMaxBandwidth
- MigrateNetworkInterface
- MigratePrivateIpAddress
- ModifyAddressAttribute
- ModifyAddressInternetChargeType
- ModifyAddressTemplateAttribute
- ModifyAddressTemplateGroupAttribute
- ModifyAddressesBandwidth
- ModifyAssistantCidr
- ModifyBandwidthPackageAttribute
- ModifyCcnAttribute
- ModifyCcnRegionBandwidthLimitsType
- ModifyCustomerGatewayAttribute
- ModifyDirectConnectGatewayAttribute
- ModifyFlowLogAttribute
- ModifyGatewayFlowQos
- ModifyHaVipAttribute
- ModifyIpv6AddressesAttribute

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- ModifyNatGatewayAttribute
- ModifyNatGatewayDestinationIpPortTranslationNatRule
- ModifyNetDetect
- ModifyNetworkAclAttribute
- ModifyNetworkAclEntries
- ModifyNetworkInterfaceAttribute
- ModifyPrivateIpAddressesAttribute
- ModifyRouteTableAttribute
- ModifySecurityGroupAttribute
- ModifySecurityGroupPolicies
- ModifyServiceTemplateAttribute
- ModifyServiceTemplateGroupAttribute
- ModifySubnetAttribute
- ModifyVpcAttribute
- ModifyVpnConnectionAttribute
- ModifyVpnGatewayAttribute
- ModifyVpnGatewayCcnRoutes
- RejectAttachCcnInstances
- ReleaseAddresses
- RemoveBandwidthPackageResources
- RenewVpnGateway
- ReplaceDirectConnectGatewayCcnRoutes
- ReplaceRouteTableAssociation
- ReplaceRoutes
- ReplaceSecurityGroupPolicy
- ResetAttachCcnInstances
- ResetNatGatewayConnection
- ResetRoutes
- ResetVpnConnection
- ResetVpnGatewayInternetMaxBandwidth
- SetCcnRegionBandwidthLimits
- TransformAddress
- UnassignIpv6Addresses
- UnassignIpv6CidrBlock
- UnassignIpv6SubnetCidrBlock
- UnassignPrivateIpAddresses

Existing data structures:

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- AccountAttribute
- Address
- AddressChargePrepaid
- AddressTemplate
- AddressTemplateGroup
- AddressTemplateItem
- AddressTemplateSpecification
- AlgType
- AssistantCidr
- BandwidthPackage
- CCN
- CcnAttachedInstance
- CcnBandwidthInfo
- CcnInstance
- CcnRegionBandwidthLimit
- CcnRoute
- ClassicLinkInstance
- ConflictItem
- ConflictSource
- CustomerGateway
- CustomerGatewayVendor
- CvmInstance
- DefaultVpcSubnet
- DestinationIpPortTranslationNatRule
- DirectConnectGateway
- DirectConnectGatewayCcnRoute
- Filter
- FilterObject
- FlowLog
- GatewayFlowMonitorDetail
- GatewayQos
- HaVip
- IKEOptionsSpecification
- IPSECOptionsSpecification
- InstanceChargePrepaid
- InstanceStatistic
- Ipv6Address
- Ipv6SubnetCidrBlock

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- ItemPrice
- NatGateway
- NatGatewayAddress
- NatGatewayDestinationIpPortTranslationNatRule
- NetDetect
- NetDetectIpState
- NetDetectState
- NetworkAcl
- NetworkAclEntry
- NetworkAclEntrySet
- NetworkInterface
- NetworkInterfaceAttachment
- Price
- PrivateIpAddressSpecification
- Quota
- ReferredSecurityGroup
- Resource
- ResourceDashboard
- Route
- RouteTable
- RouteTableAssociation
- SecurityGroup
- SecurityGroupAssociationStatistics
- SecurityGroupPolicy
- SecurityGroupPolicySet
- SecurityPolicyDatabase
- ServiceTemplate
- ServiceTemplateGroup
- ServiceTemplateSpecification
- Subnet
- SubnetInput
- Tag
- Vpc
- VpcIpv6Address
- VpcPrivateIpAddress
- VpnConnection
- VpnGateway
- VpnGatewayQuota

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- VpngwCcnRoutes

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Introduction

Last updated：2024-07-10 15:32:45

Virtual Private Cloud (VPC) enables you to build an independent network space in Tencent Cloud, and allows you to customize IP ranges, IP addresses, and routing policies. You can use the APIs described in API Overview to perform related operations on VPC services, such as creating VPCs or subnets. Please ensure that you have fully understood the Overview and Operation Guide before using these APIs.

Caution

- All VPC APIs described here are of API 3.0. You can check updates of VPC features here.

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API Category

Last updated：2025-05-21 17:41:36

VPC APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateAssistantCidr	Creates a secondary CIDR block	100
DeleteAssistantCidr	Deletes a secondary CIDR block	100
DeleteTrafficPackages	Deletes traffic packages.	20
DescribeClassicLinkInstances	Queries the list of Classiclink	100
DescribeTrafficPackages	Queries the list of shared traffic packages	20
ModifyAssistantCidr	Modifies secondary CIDR blocks	100
AssignIpv6CidrBlock	Assigns an IPv6 IP range	20
CreateDefaultVpc	Creates a default VPC and subnets	100
CreateLocalGateway	Creates a local gateway	20
DeleteLocalGateway	Deletes a local gateway	20
DescribeAccountAttributes	Queries account attributes	100
DescribeAssistantCidr	Queries a list of secondary CIDR blocks	100
DescribeLocalGateway	Queries local gateways	20
DescribeUsedIpAddress	Queries IP usage of the subnet or VPC	20
DescribeVpcInstances	Queries a list of VCM instances on VPC	20
DescribeVpcIpv6Addresses	Queries the IPv6 list of a VPC	20

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DescribeVpcPrivateIpAddresses	Queries the private IP information of a VPC	20
ModifyLocalGateway	Modifies a local gateway	20
UnassignIpv6CidrBlock	Releases IPv6 IP range	20
AttachClassicLinkVpc	Creates a Classiclink	100
CheckAssistantCidr	Checks secondary CIDR block overlaps	100
DeleteVpc	Deletes a VPC	100
DescribeVpcResourceDashboard	Views VPC resources.	100
DetachClassicLinkVpc	Deletes a Classiclink	100
CreateVpc	Creates a VPC	100
DescribeVpcs	Queries the VPC list	100
AdjustPublicAddress	Changes public IPs	20
ModifyVpcAttribute	Modifies VPC attributes	100
CreateReserveIpAddresses	Creates a reserved private IP address	20
DeleteReserveIpAddresses	Deletes a reserved private IP address	20
DescribeReserveIpAddresses	Queries reserved private IP addresses	20
ModifyReserveIpAddress	Modifies a reserved private IP address	20

Subnet APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AssignIpv6SubnetCidrBlock	Assigns an IPv6 subnet IP range	20

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DeleteSubnet	Deletes a subnet	100
UnassignIpv6SubnetCidrBlock	Releases the IPv6 subnet IP range	20
CreateSubnet	Creates a subnet	100
CreateSubnets	Creates subnets in batches	20
DescribeSubnetResourceDashboard	Queries resources associated with the subnet	20
DescribeSubnets	Queries the subnet list	100
ModifySubnetAttribute	Modifies subnet attributes	100

Route Table APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DisableRoutes	Disables subnet routes	100
EnableRoutes	Enables subnet routes	100
NotifyRoutes	Publishes a route to CCN	20
WithdrawNotifyRoutes	Withdraws a route from CCN	20
CreateRouteTable	Creates a route table	100
DeleteRouteTable	Deletes a route table	100
DescribeRouteTables	Queries the route table list	100
ReplaceRouteTableAssociation	Replaces the association relation of a route table	100
DeleteRoutes	Deletes a routing policy	100
ModifyRouteTableAttribute	Modifies route table attributes	100
ResetRoutes	Resets the names and routing policies of route tables	100
CreateRoutes	Creates a routing policy	100

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ReplaceRoutes	Replaces a routing policy	100

EIP APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeAddressQuota	Queries EIP quotas	10
DescribeAddresses	Queries the EIP list	20
DescribeTaskResult	Queries the async job execution results	20
AssociateAddress	Binds an Elastic IP	10
DisassociateAddress	Unbinds an EIP	10
ModifyAddressAttribute	Modifies EIP attributes	10
ModifyAddressInternetChargeType	Adjusts EIP billing modes	10
ModifyAddressesBandwidth	Modifies the EIP bandwidth	20
ReleaseAddresses	Releases the EIP	10
ReturnNormalAddresses	Unbinds and releases public IPs	2
TransformAddress	Switches an ordinary IP to an EIP	10
ModifyAddressesRenewFlag	Adjusts the renewal flag for the monthly subscription EIP	20

Elastic Public IP APIs

API Name	Feature	Frequency Limit (maximum requests per second)
InquiryPriceModifyAddressesBandwidth	Elastic Public IP Bandwidth Adjustment Pricing Inquiry	20
InquiryPriceRenewAddresses	Queries the price of renewing elastic public IPs	2

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AllocateAddresses	Creates an EIP	10
InquiryPriceAllocateAddresses	Queries new purchase of Elastic Public IP	2

Elastic IPv6 APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeIp6Addresses	Queries the list of classic elastic public IPv6 instances	20
AllocateIp6AddressesBandwidth	Allocates the IPv6 public network bandwidth	20
ModifyIp6AddressesBandwidth	Adjusts the bandwidth limit of a classic elastic public IPv6 instance	20
ReleaseIp6AddressesBandwidth	Releases the IPv6 public network bandwidth	20
AllocateIPv6Addresses	Creates an EIPv6	20
AssociateIPv6Address	Binds an EIPv6	20
DescribeIPv6Addresses	Queries the EIPv6 list	20
DisassociateIPv6Address	Unbinds an EIPv6	20
ModifyIPv6AddressesAttributes	Modifies EIPv6 attributes	20
ModifyIPv6AddressesBandwidth	Modifies the EIPv6 bandwidth	20
ReleaseIPv6Addresses	Releases an EIPv6	20

Highly Available Virtual IP APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateHaVip	Creates the HAVIP	20

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DeleteHaVip	Deletes an HAVIP	20
HaVipAssociateAddressIp	Binds an EIP to an HAVIP	20
HaVipDisassociateAddressIp	Unbinds an EIP from HAVIP	20
ModifyHaVipAttribute	Modifies HAVIP attributes	20
DescribeHaVips	Queries the HAVIP list	20

ENI APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AssignIpv6Addresses	Assigns an IPv6 address	20
AssignPrivateIpAddresses	Applies for private IPs for an ENI	100
AssociateNetworkInterfaceSecurityGroups	Attaches a security group to an ENI.	20
CreateAndAttachNetworkInterface	Creates an ENI and binds it to a CVM	20
CreateNetworkInterface	Creates an ENI	100
DescribeNetworkInterfaceLimit	DescribeNetworkInterfaceLimit	20
DisassociateNetworkInterfaceSecurityGroups	Detaches a security group from an ENI.	20
ModifyIpv6AddressesAttribute	Modifies the IPv6 address attributes of an ENI	20
ModifyNetworkInterfaceAttribute	Modifies an ENI	100
UnassignIpv6Addresses	Releases IPv6 addresses	20
DeleteNetworkInterface	Deletes an ENI	100
DescribeNetworkInterfaces	Queries the ENI list	100

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DetachNetworkInterface	Unbinds an ENI from a CVM	100
MigrateNetworkInterface	Migrates an ENI	100
MigratePrivateIpAddress	Migrates private IPs of an ENI	100
ModifyPrivateIpAddressesAttribute	Modifies the private IP information of an ENI	100
UnassignPrivateIpAddresses	Returns the private IPs of an ENI	100
AttachNetworkInterface	Binds an ENI to a CVM	100
DescribeInstanceJumbo	Queries whether a specified cvm supports jumbo frames	20

IP Location APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeIpGeolocationDatabaseUrl	Obtains the download link of an IP location database	20
DescribeIpGeolocationInfos	Queries IP location	20

Bandwidth Package APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeBandwidthPackageBillUsage	Queries the current usage of a pay-as-you-go bandwidth package.	20
DescribeBandwidthPackageQuota	Queries the bandwidth package quota	20
DescribeBandwidthPackageResources	Queries resources in a bandwidth package	10
DescribeBandwidthPackages	Queries bandwidth package resources	20

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ModifyBandwidthPackageAttribute	Modifies the attributes of a bandwidth package	20
RemoveBandwidthPackageResources	Deletes a bandwidth package resource	20
AddBandwidthPackageResources	Adds one or more resources to a bandwidth package	20
CreateBandwidthPackage	Creates a bandwidth package	20
DeleteBandwidthPackage	Deletes a bandwidth package	20
ModifyBandwidthPackageBandwidth	ModifyBandwidthPackageBandwidth	20

NAT Gateway APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateNatGatewayDestinationIpPortTranslationNatRule	Creates the port forwarding rule of a NAT gateway	100
CreateNatGatewaySourceIpTranslationNatRule	Creates SNAT rules for a NAT gateway	20
DeleteNatGateway	Deletes a NAT gateway	100
DeleteNatGatewayDestinationIpPortTranslationNatRule	Deletes the port forwarding rule of a NAT gateway	100
DeleteNatGatewaySourceIpTranslationNatRule	Deletes a SNAT forwarding rule of a NAT Gateway	20
DescribeNatGatewayDestinationIpPortTranslationNatRules	Queries the port forwarding rule of a NAT gateway	100
DescribeNatGatewayDirectConnectGatewayRoute	Queries the routes between a NAT gateway	20

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	and Direct Connect	
DescribeNatGatewaySourceIpTranslationNatRules	Queries a NAT gateway's SNAT forwarding rules	20
DescribeNatGateways	Queries NAT gateways	100
DisassociateNatGatewayAddress	Unbinds an EIP from a NAT gateway	100
ModifyNatGatewayDestinationIpPortTranslationNatRule	Modifies the port forwarding rule of a NAT gateway	100
ModifyNatGatewaySourceIpTranslationNatRule	Modifies a NAT gateway's SNAT forwarding rules	20
RefreshDirectConnectGatewayRouteToNatGateway	Refreshes the routes of a NAT gateway associated with Direct Connect	20
ResetNatGatewayConnection	Adjusts the concurrent connection cap for the NAT gateway	20
AssociateNatGatewayAddress	Binds an EIP to a NAT gateway	100
CreateNatGateway	Creates a NAT gateway	100
ModifyNatGatewayAttribute	Modifies the attributes of a NAT gateway	100

VPN Gateway APIs

API Name	Feature	Frequency Limit (maximum requests per second)
RenewVpnGateway	Renews a VPN gateway	100
ModifyVpnGatewayRoutes	Modifies the route status of a VPN gateway	20
CreateVpnGatewayRoutes	Creates routes of a VPN	20

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	gateway	
DeleteVpnGatewayRoutes	Deletes routes of a VPN gateway	20
DescribeCustomerGateways	Queries customer gateways	100
DescribeVpnConnections	Queries the VPN tunnel list	100
DescribeVpnGatewayCcnRoutes	Querying VPN gateway-based CCN routes	20
DescribeVpnGatewayRoutes	Queries routes of a VPN gateway	20
DownloadCustomerGatewayConfiguration	Downloads a VPN tunnel configuration	100
ModifyVpnGatewayCcnRoutes	Modifying VPN gateway-based CCN routes	20
SetVpnGatewaysRenewFlag	Specifies whether to enable auto-renewal for the VPN gateway	20
CreateCustomerGateway	Creates a customer gateway	100
CreateVpnConnection	Creates a VPN tunnel	100
CreateVpnGateway	Creates a VPN gateway	100
DeleteCustomerGateway	Deletes a customer gateway	100
DeleteVpnConnection	Deletes VPN tunnels	100
DeleteVpnGateway	Deletes a VPN gateway	100
DescribeCustomerGatewayVendors	Queries the information of supported customer gateway vendors	100
DescribeVpnGateways	Queries VPN gateways	300
GenerateVpnConnectionDefaultHealthCheckIp	Obtains a pair of VPN tunnel health check addresses	20
InquiryPriceRenewVpnGateway	Queries the price for VPN gateway renewal	100

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InquiryPriceResetVpnGatewayInternetMaxBandwidth	Queries the price for adjusting the bandwidth cap of a VPN gateway	100
ModifyCustomerGatewayAttribute	Modifies a customer gateway	100
ModifyVpnConnectionAttribute	Modifies the VPN tunnel	100
ModifyVpnGatewayAttribute	Modifies VPN gateway attributes	100
ResetVpnConnection	Resets a VPN tunnel	100
ResetVpnGatewayInternetMaxBandwidth	Adjusts the bandwidth cap of a VPN gateway	100

Direct Connect Gateway APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateDirectConnectGateway	Creates a direct connect gateway	20
CreateDirectConnectGatewayCcnRoutes	Creates the CCN route of a Direct Connect gateway	20
DeleteDirectConnectGateway	Deletes a direct connect gateway	20
DeleteDirectConnectGatewayCcnRoutes	Deletes CCN routes of a Direct Connect gateway	20
DescribeDirectConnectGatewayCcnRoutes	Queries the CCN routes of a Direct Connect gateway	20
DescribeDirectConnectGateways	Queries direct connect gateways	20
InquirePriceCreateDirectConnectGateway	Queries the price of creating a direct connect gateway	20
ModifyDirectConnectGatewayAttribute	Modifies the attributes of a direct connect gateway	20

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ReplaceDirectConnectGatewayCcnRoutes	Replaces the CCN routes of a Direct Connect gateway	20
AssociateDirectConnectGatewayNatGateway	Binds a direct connect gateway to a NAT Gateway	20
DisassociateDirectConnectGatewayNatGateway	Unbinds a direct connect gateway from a NAT Gateway	20

Cloud Connect Network APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AcceptAttachCcnInstances	Accepts instance association to a CCN	20
DescribeCrossBorderCompliance	Queries a compliance review request	20
DetachCcnInstances	Unbinds instances from a CCN	100
EnableCcnRoutes	Enables CCN routes	100
ModifyCcnAttachedInstancesAttribute	Modifies CCN-associated instance attributes	20
ModifyCcnAttribute	Modifies CCN attributes	100
RejectAttachCcnInstances	Rejects instance association	20
ResetAttachCcnInstances	Re-applies for the instance association	20
CreateCcn	Creates a CCN	100
DeleteCcn	Deletes a CCN	100
DisableCcnRoutes	Disables CCN routes	100
SetCcnRegionBandwidthLimits	Sets the outbound bandwidth cap of each CCN region	100
AttachCcnInstances	Associates an instance with a CCN	100
DescribeCcnRegionBandwidthLimits	Queries the outbound bandwidth caps of all regions connected with the specified	100

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	CCN instance	
AuditCrossBorderCompliance	Performs a compliance audit	20
DescribeCcnAttachedInstances	Queries the list of instances associated with a CCN	100
DescribeCcnRoutes	Queries the CCN routing policy	100
DescribeCcns	Queries the CCN list	100
GetCcnRegionBandwidthLimits	Queries the inter-region bandwidth limits of a CCN	20
ModifyCcnRegionBandwidthLimitsType	Modifies the bandwidth limit policy of a postpaid instance	20

Security Group APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeSecurityGroupReferences	Queries referred security groups	20
CloneSecurityGroup	Clones an security group	20
DeleteSecurityGroup	Deletes a security group	100
DeleteSecurityGroupPolicies	Deletes security group policies	100
DescribeSecurityGroupAssociationStatistics	Queries statistics on the instances associated with a security group	100
DescribeSecurityGroupPolicies	Queries security group policies	100
DescribeSecurityGroups	Queries security groups	100
ModifySecurityGroupAttribute	Modifies security group attributes	100
ModifySecurityGroupPolicies	Modifies the outbound and inbound policies of a security group	100
ReplaceSecurityGroupPolicies	Batch modifies security group policies	20

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ReplaceSecurityGroupPolicy	Replaces a single security group rule	100
CreateSecurityGroupPolicies	Adds policies to a security group	100
CreateSecurityGroupWithPolicies	Creates security groups and policies	100
CreateSecurityGroup	Creates a security group	100

Network ACL APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AssociateNetworkAclSubnets	Associates a network ACL with subnets	20
CreateNetworkAclQuintupleEntries	Adds rules of the network ACL quintuple	20
DeleteNetworkAcl	Deletes a network ACL	20
DeleteNetworkAclQuintupleEntries	Deletes specified rules of the network ACL quintuple.	20
DescribeNetworkAclQuintupleEntries	Queries the list of the network ACL quintuple entries	20
DisassociateNetworkAclSubnets	Disassociates a network ACL from a subnet	20
ModifyNetworkAclAttribute	Modifies network ACL attributes	20
ModifyNetworkAclQuintupleEntries	Updates the network ACL quintuple rules incrementally	20
DescribeNetworkAcls	Queries a list of network ACLs	20
ModifyNetworkAclEntries	Modifies network ACL rules	20
CreateNetworkAcl	Creates a network ACL	20

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Network Parameter Template APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AddTemplateMember	Adds a parameter template	20
ModifyTemplateMember	Modifies a parameter template	20
CreateAddressTemplate	Creates an IP address template	100
CreateAddressTemplateGroup	Creates an IP address template group	100
DeleteAddressTemplate	Deletes an IP address template	100
DeleteAddressTemplateGroup	Deletes an IP address template group	100
DeleteServiceTemplate	Deletes a protocol port template	100
DeleteServiceTemplateGroup	Deletes a protocol port template group	100
DescribeAddressTemplateGroups	Queries an IP address template group	100
DescribeAddressTemplates	Queries an IP address template	100
DescribeServiceTemplateGroups	Queries a protocol port template group	100
DescribeServiceTemplates	Queries a protocol port template	100
ModifyAddressTemplateAttribute	Modifies an IP address template	100
ModifyAddressTemplateGroupAttribute	Modifies an IP address template group	100
ModifyServiceTemplateGroupAttribute	Modifies a protocol port	100

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	template group	
CreateServiceTemplate	Creates a protocol port template	100
CreateServiceTemplateGroup	Creates a protocol port template group	100
DeleteTemplateMember	Deletes a parameter template	20
ModifyServiceTemplateAttribute	Modifies a protocol port template	100

Network Detection-Related APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CheckNetDetectState	CheckNetDetectState	100
CreateNetDetect	CreateNetDetect	100
DeleteNetDetect	DeleteNetDetect	100
ModifyNetDetect	ModifyNetDetect	100
DescribeNetDetects	DescribeNetDetects	100
DescribeNetDetectStates	DescribeNetDetectStates	100

Flow Log APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DeleteFlowLog	Deletes a flow log	20
DisableFlowLogs	Disables flow log	20
EnableFlowLogs	Enables flow log	20
ModifyFlowLogAttribute	Modifies the attributes of a flow log	20

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DescribeFlowLog	Queries information of a flow log	20
DescribeFlowLogs	Queries the list of flow logs	20
CreateFlowLog	Creates a flow log	20

Gateway Traffic Monitor APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeGatewayFlowQos	Queries the inbound IP bandwidth limit of a gateway.	20
DisableGatewayFlowMonitor	Disables gateway traffic monitor	20
EnableGatewayFlowMonitor	Enables gateway traffic monitor	20
ModifyGatewayFlowQos	Adjusts the bandwidth limit of a gateway	20
DescribeGatewayFlowMonitorDetail	Queries the monitoring details of a gateway	30

Private Link APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateVpcEndPoint	Creates an endpoint	20
CreateVpcEndPointService	Creates an endpoint service	20
CreateVpcEndPointServiceWhiteList	Creates the endpoint service allowlist	20
DeleteVpcEndPoint	Deletes an endpoint	20
DeleteVpcEndPointService	Deletes an endpoint service	20
DeleteVpcEndPointServiceWhiteList	Deletes the endpoint service allowlist	20
DescribeVpcEndPointServiceWhiteList	Queries the endpoint service allowlist	20

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DisassociateVpcEndPointSecurityGroups	Unbinds an endpoint from a security group	20
ModifyVpcEndPointAttribute	Modifies endpoint attributes	20
ModifyVpcEndPointServiceWhiteList	Modifies the attributes of the endpoint service allowlist	20
ModifyVpcEndPointServiceAttribute	Modifies endpoint service attributes	20
DescribeVpcEndPoint	Queries the endpoint list	20
EnableVpcEndPointConnect	Determines whether to accept the request of connecting with an endpoint	20
DescribeVpcEndPointService	Queries the endpoint service list	20

Snapshot Policy APIs

API Name	Feature	Frequency Limit (maximum requests per second)
AttachSnapshotInstances	Associates a snapshot policy with specified instances	20
CreateSnapshotPolicies	Creates snapshot policies	20
DeleteSnapshotPolicies	Deletes snapshot policies	20
DescribeSgSnapshotFileContent	Querying contents of snapshot files	20
DescribeSnapshotAttachedInstances	Queries instances associated with a snapshot policy	20
DescribeSnapshotPolicies	Queries snapshot policies	20
DetachSnapshotInstances	Disassociates a snapshot policy with instances	20
DisableSnapshotPolicies	Disables specified snapshot policies	20
EnableSnapshotPolicies	Enables specified snapshot policies	20

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ModifySnapshotPolicies	Modifies specified snapshot policies	20
ResumeSnapshotInstance	Restores security group policies	20
DescribeSnapshotFiles	Query snapshot files	20

Other APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeVpcTaskResult	Queries VPC async task execution results	20

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Making API Requests
Request Structure

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1. Service Address

The API supports access from either a nearby region (at vpc.intl.tencentcloudapi.com) or a specified region (at vpc.ap-guangzhou.tencentcloudapi.com for Guangzhou, for example).

We recommend using the domain name to access the nearest server. When you call an API, the request is automatically resolved to a server in the region **nearest** to the location where the API is initiated. For example, when you initiate an API request in Guangzhou, this domain name is automatically resolved to a Guangzhou server, the result is the same as that of specifying the region in the domain like "vpc.ap-guangzhou.tencentcloudapi.com".

Note: For latency-sensitive businesses, we recommend that you specify the region in the domain name.

Tencent Cloud currently supports the following regions:

Hosted region	Domain name
Local access region (recommended, only for non-financial availability zones)	vpc.intl.tencentcloudapi.com
South China (Guangzhou)	vpc.ap-guangzhou.tencentcloudapi.com
East China (Shanghai)	vpc.ap-shanghai.tencentcloudapi.com
East China (Nanjing)	vpc.ap-nanjing.tencentcloudapi.com
North China (Beijing)	vpc.ap-beijing.tencentcloudapi.com
Southwest China (Chengdu)	vpc.ap-chengdu.tencentcloudapi.com
Southwest China (Chongqing)	vpc.ap-chongqing.tencentcloudapi.com
Hong Kong, Macao, Taiwan (Hong Kong, China)	vpc.ap-hongkong.tencentcloudapi.com
Southeast Asia (Singapore)	vpc.ap-singapore.tencentcloudapi.com

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Southeast Asia (Jakarta)	vpc.ap-jakarta.tencentcloudapi.com
Southeast Asia (Bangkok)	vpc.ap-bangkok.tencentcloudapi.com
Northeast Asia (Seoul)	vpc.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	vpc.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	vpc.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	vpc.na-siliconvalley.tencentcloudapi.com
South America (São Paulo)	vpc.sa-saopaulo.tencentcloudapi.com
Europe (Frankfurt)	vpc.eu-frankfurt.tencentcloudapi.com

Note: As financial availability zones and non-financial availability zones are isolated, when accessing the services in a financial availability zone (with the common parameter `Region` specifying a financial availability zone), it is necessary to specify a domain name of the financial availability zone, preferably in the same region as specified in `Region` .

Access region for financial availability zone	Domain name for financial availability zone
East China (Shanghai Finance)	vpc.ap-shanghai-fsi.tencentcloudapi.com
South China (Shenzhen Finance)	vpc.ap-shenzhen-fsi.tencentcloudapi.com

2. Communications Protocol

All the Tencent Cloud APIs communicate via HTTPS, providing highly secure communication tunnels.

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

- application/json (recommended). The TC3-HMAC-SHA256 signature algorithm must be used.

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- application/x-www-form-urlencoded. The HmacSHA1 or HmacSHA256 signature algorithm must be used.
- multipart/form-data (only supported by certain APIs). You must use TC3-HMAC-SHA256 to calculate the signature.

The size of a GET request packet is up to 32 KB. The size of a POST request is up to 1 MB when the HmacSHA1 or HmacSHA256 signature algorithm is used, and up to 10 MB when TC3-HMAC-SHA256 is used.

4. Character Encoding

Only UTF-8 encoding is used.

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Common Params

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Common parameters are used for all APIs authenticating requestors. Common parameters must be included in all API requests, and they will not be described in individual API documents.

The exact contents of the common parameters will vary depending on the version of the signature method you use.

Common parameters for Signature Algorithm v3

When the TC3-HMAC-SHA256 algorithm is used, the common parameters should be uniformly placed in the HTTP request header, as shown below:

Parameter Name	Type	Required	Description
X-TC-Action	String	Yes	The name of the API for the desired operation. For the specific value, see description of common parameter `Action` in the input parameters in r documentation. For example, the API for querying the CVM instance list i `DescribeInstances` .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data y work with belongs. For values supported for an API, see the description c parameter `Region` in the input parameters in related API documentati parameter is not required for some APIs (which will be indicated in relate documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request for example, 1529223702. Note: If the difference between the UNIX times server time is greater than 5 minutes, a signature expiration error may oc
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the c parameter `Version` in the API documentation. For example, the versi 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKID*******/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKID******* is the SecretId; Date is a d time, and this value must match the value of X-TC-Timestamp (a commo

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			UTC time format; service is the name of the product/service, and is gener name prefix. For example, a domain name cvm.tencentcloudapi.com refe product and the value would be cvm; - SignedHeaders: The headers that contains the authentication informatic type and host are the required headers; - Signature: Signature digest.
X-TC-Token	String	No	The token used for a temporary certificate. It must be used with a tempor can obtain the temporary key and token by calling a CAM API. No token i a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Limit=10&Offset=0

Authorization: TC3-HMAC-SHA256 Credential=AKID********************************/20
18-10-09/cvm/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993
f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
Content-Type: application/x-www-form-urlencoded
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1539084154
X-TC-Region: ap-guangzhou
```

The following example shows you how to structure an HTTP POST (application/json) request:

```
https://cvm.tencentcloudapi.com/

Authorization: TC3-HMAC-SHA256 Credential=AKID********************************/20
18-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5
924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
Content-Type: application/json
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

{"Offset":0,"Limit":10}
```

Example of an HTTP POST (multipart/form-data) request structure (only supported by specific APIs):

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```
https://cvm.tencentcloudapi.com/

Authorization: TC3-HMAC-SHA256 Credential=AKID********************************/20
18-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5
924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
Content-Type: multipart/form-data; boundary=58731222010402
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

--58731222010402
Content-Disposition: form-data; name="Offset"

0
--58731222010402
Content-Disposition: form-data; name="Limit"

10
--58731222010402--
```

Common parameters for Signature Algorithm v1

To adopt the HmacSHA1 and HmacSHA256 signature methods, common parameters must be put into the request string, as shown below:

Parameter Name	Type	Required	Description
Action	String	Yes	The name of the API for the desired operation. For the specific value, see the description of common parameter `Action` in the input parameters in related API documentation. For example, the API for querying the CVM instance list is `DescribeInstances`.
Region	String	Yes	Region parameter, which is used to identify the region to which the data you want to work with belongs. For values supported for an API, see the description of common parameter `Region` in the input parameters in related API documentation. Note: This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even if it is passed.

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Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request was initiated, for example, 1529223702. If the difference between the value and the current system time is too large, a signature expiration error may occur.
Nonce	Integer	Yes	A random positive integer used along with `Timestamp` to prevent replay attacks.
SecretId	String	Yes	The identifying SecretId obtained on the Cloud API Key page. A SecretId corresponds to a unique SecretKey which is used to generate the request signature (Signature).
Signature	String	Yes	Request signature used to verify the validity of this request. This is calculated based on the actual input parameters. For more information about how this is calculated, see the API authentication documentation.
Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter `Version` in the API documentation. For example, the version of CVM is 2017-03-12.
SignatureMethod	String	No	Signature method. Currently, only HmacSHA256 and HmacSHA1 are supported. The HmacSHA256 algorithm is used to verify the signature only when this parameter is specified as HmacSHA256. In other cases, the signature is verified with HmacSHA1.
Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID********************************

Host: cvm.tencentcloudapi.com
Content-Type: application/x-www-form-urlencoded
```

Example of an HTTP POST request structure:

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```
https://cvm.tencentcloudapi.com/

Host: cvm.tencentcloudapi.com
Content-Type: application/x-www-form-urlencoded

Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=
1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d18
1d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID**************************
****
```

Region List

The supported Region field values for all APIs in this product are listed as below. For any API that does not support any of the following regions, this field will be described additionally in the relevant API document.

Region	Value
Southeast Asia (Bangkok)	ap-bangkok
North China (Beijing)	ap-beijing
Southwest China (Chengdu)	ap-chengdu
Southwest China (Chongqing)	ap-chongqing
South China (Guangzhou)	ap-guangzhou
Hong Kong/Macao/Taiwan (China) (Hong Kong (China))	ap-hongkong
Southeast Asia (Jakarta)	ap-jakarta
East China (Nanjing)	ap-nanjing
Northeast Asia (Seoul)	ap-seoul
East China (Shanghai)	ap-shanghai
East China (Shanghai Finance)	ap-shanghai-fsi
South China (Shenzhen Finance)	ap-shenzhen-fsi
Southeast Asia (Singapore)	ap-singapore
Northeast Asia (Tokyo)	ap-tokyo

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Europe (Frankfurt)	eu-frankfurt
East US (Virginia)	na-ashburn
West US (Silicon Valley)	na-siliconvalley
South America (São Paulo)	sa-saopaulo

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Signature v3

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TencentCloud API authenticates every single request, i.e., the request must be signed using the security credentials in the designated steps. Each request has to contain the signature information (Signature) in the common request parameters and be sent in the specified way and format.

Applying for Security Credentials

The security credential used in this document is a key, which includes a SecretId and a SecretKey. Each user can have up to two pairs of keys.

- SecretId: Used to identify the API caller, which is just like a username.
- SecretKey: Used to authenticate the API caller, which is just like a password.
- **You must keep your security credentials private and avoid disclosure; otherwise, your assets may be compromised. If they are disclosed, please disable them as soon as possible.**

You can apply for the security credentials through the following steps:

1. Log in to the Tencent Cloud Console.
2. Go to the TencentCloud API Key console page.
3. On the TencentCloud API Key page, click **Create** to create a SecretId/SecretKey pair.

Using the Resources for Developers

TencentCloud API comes with SDKs for seven commonly used programming languages, including Python, Java, PHP, Go, NodeJS and .NET. In addition, it provides API Explorer which enables online call, signature verification, and SDK code generation. If you have any troubles calculating a signature, consult these resources.

TC3-HMAC-SHA256 Signature Algorithm

Compatible with the previous HmacSHA1 and HmacSHA256 signature algorithms, the TC3-HMAC-SHA256 signature algorithm is more secure and supports larger requests and JSON format with better performance. We recommend using TC3-HMAC-SHA256 to calculate the signature.

TencentCloud API supports both GET and POST requests. For the GET method, only the Content-Type: application/x-www-form-urlencoded protocol format is supported. For the POST method, two protocol formats,

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Content-Type: application/json and Content-Type: multipart/form-data, are supported. The JSON format is supported by default for all business APIs, and the multipart format is supported only for specific business APIs. In this case, the API cannot be called in JSON format. See the specific business API documentation for more information. The POST method is recommended, as there is no difference in the results of both the methods, but the GET method only supports request packets up to 32 KB.

The following uses querying the list of CVM instances in the Guangzhou region as an example to describe the steps of signature splicing. We chose this API because:

1. CVM is activated by default, and this API is often used;
2. It is read-only and does not change the status of existing resources;
3. It covers many types of parameters, which allows it to be used to demonstrate how to use arrays containing data structures.

In the example, we try to choose common parameters and API parameters that are prone to mistakes. When you actually call an API, please use parameters based on the actual conditions. The parameters vary by API. Do not copy the parameters and values in this example.

Assuming that your SecretId and SecretKey are `AKID********************************` and `********************************`, respectively, if you want to view the status of the instance in the Guangzhou region whose CVM instance name is "unnamed" and have only one data entry returned, then the request may be:

```
curl -X POST https://cvm.tencentcloudapi.com \
-H "Authorization: TC3-HMAC-SHA256 Credential=AKID********************************
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b85514
48762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2" \
-H "Content-Type: application/json; charset=utf-8" \
-H "Host: cvm.tencentcloudapi.com" \
-H "X-TC-Action: DescribeInstances" \
-H "X-TC-Timestamp: 1551113065" \
-H "X-TC-Version: 2017-03-12" \
-H "X-TC-Region: ap-guangzhou" \
-d '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}'
```

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

Concatenate the canonical request string (CanonicalRequest) in the following pseudocode format:

```
CanonicalRequest =
HTTPRequestMethod + '\n' +
CanonicalURI + '\n' +
```

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```
CanonicalQueryString + '\n' +
CanonicalHeaders + '\n' +
SignedHeaders + '\n' +
HashedRequestPayload
```

Field Name	Explanation
HTTPRequestMethod	HTTP request method (GET or POST). This example uses `POST` .
CanonicalURI	URI parameter. Slash ("/") is used for API 3.0.
CanonicalQueryString	The query string in the URL of the originating HTTP request. This is always an empty st “” for POST requests, and is the string after the question mark (?) for GET requests. Fo example: Limit=10&Offset=0。 Note: `CanonicalQueryString` must be URL-encoded, referencing RFC3986, the UTF8 character set. We recommend using the programming language library. All speci characters must be encoded and capitalized.
CanonicalHeaders	Header information for signature calculation, including at least two headers of `host` `content-type` . Custom headers can be added to participate in the signature proce improve the uniqueness and security of the request. Concatenation rules: 1. Both the key and value of the header should be converted to lowercase with the lead and trailing spaces removed, so they are concatenated in the format of key:value\n format; 2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase). The calculation result in this example is `content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n` . Note: `content-type` must match the actually sent content. In some programming languages, a charset value would be added even if it is not specified. In this case, the request sent is different from the one signed, and the sever will return an error indicating signature verification failed.
SignedHeaders	Header information for signature calculation, indicating which headers of the request participate in the signature process (they must each individually correspond to the heac in CanonicalHeaders). `Content-type` and `host` are required headers. Concatenation rules: 1. Both the key and value of the header should be converted to lowercase; 2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;). The value in this example is `content-type;host`
HashedRequestPayload	Hash value of the request payload (i.e., the body, such as `{"Limit": 1, "Filter`

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	`[{"Values": ["unnamed"], "Name": "instance-name"}]` in this exampl The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the pay of the HTTP request, performing hexadecimal encoding, and finally converting the enco string to lowercase letters. For GET requests, `RequestPayload` is always an empt string. The calculation result in this example is `99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b49`

According to the rules above, the `CanonicalRequest` string obtained in the example is as follows:

```
POST
/

content-type:application/json; charset=utf-8
host:cvm.tencentcloudapi.com

content-type;host
99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907
```

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

```
StringToSign =
Algorithm + \n +
RequestTimestamp + \n +
CredentialScope + \n +
HashedCanonicalRequest
```

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always `TC3-HMAC-SHA256`.
RequestTimestamp	Request timestamp, i.e., the value of the common parameter `X-TC-Timestamp` in request header, which is the UNIX timestamp of the current time in seconds, such as `1551113065` in this example.
CredentialScope	Scope of the credential in the format of `Date/service/tc3_request`, including date, requested service and termination string (tc3_request). **`Date` is a date in UT time, whose value should match the UTC date converted by the common parameter `X-TC-Timestamp`**; `service` is the product name, which should m the domain name of the product called. The calculation result in this example is `2019-02-25/cvm/tc3_request`.

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HashedCanonicalRequest	Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequ The calculation result in this example is `2815843035062fffda5fd6f2a44ea8a34818b0dc46f024b8b3786976a3ad`

Note:

1. Date has to be calculated from the timestamp "X-TC-Timestamp" and the time zone is UTC+0. If you add the system's local time zone information (such as UTC+8), calls can succeed both day and night but will definitely fail at 00:00. For example, if the timestamp is 1551113065 and the time in UTC+8 is 2019-02-26 00:44:25, the UTC+0 date in the calculated Date value should be 2019-02-25 instead of 2019-02-26.
2. Timestamp must be the same as your current system time, and your system time and standard time must be synced; if the difference between Timestamp and your current system time is larger than five minutes, the request will fail. If your system time is out of sync with the standard time for a while, the request will fail and return a signature expiration error.

According to the preceding rules, the string to be signed obtained in the example is as follows:

```
TC3-HMAC-SHA256
1551113065
2019-02-25/cvm/tc3_request
2815843035062fffda5fd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a
```

3. Calculating the Signature

1. Calculate the derived signature key with the following pseudocode:

```
SecretKey = "********************************"
SecretDate = HMAC_SHA256("TC3" + SecretKey, Date)
SecretService = HMAC_SHA256(SecretDate, Service)
SecretSigning = HMAC_SHA256(SecretService, "tc3_request")
```

Field Name	Explanation
SecretKey	The original SecretKey, i.e., `********************************` .
Date	The Date field information in `Credential` , such as `2019-02-25` in this example.

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Service	Value in the Service field in `Credential`, such as `cvm` in this example.

2. Calculate the signature with the following pseudocode:

```
Signature = HexEncode(HMAC_SHA256(SecretSigning, StringToSign))
```

4. Concatenating the Authorization

The Authorization is concatenated as follows:

```
Authorization =
Algorithm + ' ' +
'Credential=' + SecretId + '/' + CredentialScope + ', ' +
'SignedHeaders=' + SignedHeaders + ', ' +
'Signature=' + Signature
```

Field Name	Explanation
Algorithm	Signature algorithm, which is always `TC3-HMAC-SHA256`.
SecretId	The SecretId in the key pair, i.e., `AKID********************************`.
CredentialScope	Credential scope (see above). The calculation result in this example is `2019-02-25/cvm/tc3_request`.
SignedHeaders	Header information for signature calculation (see above), such as `content-type;host` in this example.
Signature	Signature value. The calculation result in this example is `a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2`.

According to the rules above, the value obtained in the example is:

```
TC3-HMAC-SHA256 Credential=AKID********************************/2019-02-25/cvm/tc
3_request, SignedHeaders=content-type;host, Signature=a7b8551448762bd123d6f79e818
15e31a92013640a6cef36a08ad4b292a4d2f2
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKID********************************/20
19-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b855144876
2bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2
```

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```
Content-Type: application/json; charset=utf-8
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1551113065
X-TC-Region: ap-guangzhou

{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}
```

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See SDK Center for more information. Currently, the following programming languages are supported:

- Python
- Java
- PHP
- Go
- NodeJS
- .NET

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKID**********&Signature=EliP9YW3pW28FpsEdkXt%2F%2BWcGeI%3D&Timestamp=1465185768&Version=2017-03-12.

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

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Java

```
import java.nio.charset.Charset;
import java.nio.charset.StandardCharsets;
import java.security.MessageDigest;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.TimeZone;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPITC3Demo {
private final static Charset UTF8 = StandardCharsets.UTF_8;
private final static String SECRET_ID = "AKID********************************";
private final static String SECRET_KEY = "********************************";
private final static String CT_JSON = "application/json; charset=utf-8";

public static byte[] hmac256(byte[] key, String msg) throws Exception {
Mac mac = Mac.getInstance("HmacSHA256");
SecretKeySpec secretKeySpec = new SecretKeySpec(key, mac.getAlgorithm());
mac.init(secretKeySpec);
return mac.doFinal(msg.getBytes(UTF8));
}

public static String sha256Hex(String s) throws Exception {
MessageDigest md = MessageDigest.getInstance("SHA-256");
byte[] d = md.digest(s.getBytes(UTF8));
return DatatypeConverter.printHexBinary(d).toLowerCase();
}

public static void main(String[] args) throws Exception {
String service = "cvm";
String host = "cvm.tencentcloudapi.com";
String region = "ap-guangzhou";
String action = "DescribeInstances";
String version = "2017-03-12";
String algorithm = "TC3-HMAC-SHA256";
String timestamp = "1551113065";
//String timestamp = String.valueOf(System.currentTimeMillis() / 1000);
SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
// Pay attention to the time zone; otherwise, errors may occur
sdf.setTimeZone(TimeZone.getTimeZone("UTC"));
String date = sdf.format(new Date(Long.valueOf(timestamp + "000")));

// ************ Step 1: Concatenate the CanonicalRequest string ************
```

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```
String httpRequestMethod = "POST";
String canonicalUri = "/";
String canonicalQueryString = "";
String canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "hos
t:" + host + "\n";
String signedHeaders = "content-type;host";

String payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name
\": \"instance-name\"}]}";
String hashedRequestPayload = sha256Hex(payload);
String canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canoni
calQueryString + "\n"
+ canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
System.out.println(canonicalRequest);

// ************* Step 2: Concatenate the string to sign *************
String credentialScope = date + "/" + service + "/" + "tc3_request";
String hashedCanonicalRequest = sha256Hex(canonicalRequest);
String stringToSign = algorithm + "\n" + timestamp + "\n" + credentialScope +
"\n" + hashedCanonicalRequest;
System.out.println(stringToSign);

// ************* Step 3: Calculate the signature *************
byte[] secretDate = hmac256(("TC3" + SECRET_KEY).getBytes(UTF8), date);
byte[] secretService = hmac256(secretDate, service);
byte[] secretSigning = hmac256(secretService, "tc3_request");
String signature = DatatypeConverter.printHexBinary(hmac256(secretSigning, string
ToSign)).toLowerCase();
System.out.println(signature);

// ************* Step 4: Concatenate the Authorization *************
String authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + creden
tialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", " + "Signature=" + signature;
System.out.println(authorization);

TreeMap<String, String> headers = new TreeMap<String, String>();
headers.put("Authorization", authorization);
headers.put("Content-Type", CT_JSON);
headers.put("Host", host);
headers.put("X-TC-Action", action);
headers.put("X-TC-Timestamp", timestamp);
headers.put("X-TC-Version", version);
headers.put("X-TC-Region", region);

StringBuilder sb = new StringBuilder();
sb.append("curl -X POST https://").append(host)
```

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```
.append(" -H \"Authorization: ").append(authorization).append("\"")
.append(" -H \"Content-Type: application/json; charset=utf-8\"")
.append(" -H \"Host: ").append(host).append("\"")
.append(" -H \"X-TC-Action: ").append(action).append("\"")
.append(" -H \"X-TC-Timestamp: ").append(timestamp).append("\"")
.append(" -H \"X-TC-Version: ").append(version).append("\"")
.append(" -H \"X-TC-Region: ").append(region).append("\"")
.append(" -d '").append(payload).append("'");
System.out.println(sb.toString());
}
}
```

Python

```
# -*- coding: utf-8 -*-
import hashlib, hmac, json, os, sys, time
from datetime import datetime

# Key Parameters
secret_id = "AKID********************************"
secret_key = "********************************"

service = "cvm"
host = "cvm.tencentcloudapi.com"
endpoint = "https://" + host
region = "ap-guangzhou"
action = "DescribeInstances"
version = "2017-03-12"
algorithm = "TC3-HMAC-SHA256"
#timestamp = int(time.time())
timestamp = 1551113065
date = datetime.utcfromtimestamp(timestamp).strftime("%Y-%m-%d")
params = {"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"
}]}

# ************* Step 1: Concatenate the CanonicalRequest string *************
http_request_method = "POST"
canonical_uri = "/"
canonical_querystring = ""
ct = "application/json; charset=utf-8"
payload = json.dumps(params)
canonical_headers = "content-type:%s\nhost:%s\n" % (ct, host)
signed_headers = "content-type;host"
hashed_request_payload = hashlib.sha256(payload.encode("utf-8")).hexdigest()
canonical_request = (http_request_method + "\n" +
canonical_uri + "\n" +
```

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```
canonical_querystring + "\n" +
canonical_headers + "\n" +
signed_headers + "\n" +
hashed_request_payload)
print(canonical_request)

# ************* Step 2: Concatenate the string to sign *************
credential_scope = date + "/" + service + "/" + "tc3_request"
hashed_canonical_request = hashlib.sha256(canonical_request.encode("utf-8")).hexd
igest()
string_to_sign = (algorithm + "\n" +
str(timestamp) + "\n" +
credential_scope + "\n" +
hashed_canonical_request)
print(string_to_sign)


# ************* Step 3: Calculate the Signature *************
# Function for computing signature digest
def sign(key, msg):
return hmac.new(key, msg.encode("utf-8"), hashlib.sha256).digest()
secret_date = sign(("TC3" + secret_key).encode("utf-8"), date)
secret_service = sign(secret_date, service)
secret_signing = sign(secret_service, "tc3_request")
signature = hmac.new(secret_signing, string_to_sign.encode("utf-8"), hashlib.sha2
56).hexdigest()
print(signature)

# ************* Step 4: Concatenate the Authorization *************
authorization = (algorithm + " " +
"Credential=" + secret_id + "/" + credential_scope + ", " +
"SignedHeaders=" + signed_headers + ", " +
"Signature=" + signature)
print(authorization)

print('curl -X POST ' + endpoint
+ ' -H "Authorization: ' + authorization + '"'
+ ' -H "Content-Type: application/json; charset=utf-8"'
+ ' -H "Host: ' + host + '"'
+ ' -H "X-TC-Action: ' + action + '"'
+ ' -H "X-TC-Timestamp: ' + str(timestamp) + '"'
+ ' -H "X-TC-Version: ' + version + '"'
+ ' -H "X-TC-Region: ' + region + '"'
+ " -d '" + payload + "'")
```

Golang

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```
package main

import (
"crypto/hmac"
"crypto/sha256"
"encoding/hex"
"fmt"
"time"
)

func sha256hex(s string) string {
b := sha256.Sum256([]byte(s))
return hex.EncodeToString(b[:])
}

func hmacsha256(s, key string) string {
hashed := hmac.New(sha256.New, []byte(key))
hashed.Write([]byte(s))
return string(hashed.Sum(nil))
}

func main() {
secretId := "AKID********************************"
secretKey := "********************************"
host := "cvm.tencentcloudapi.com"
algorithm := "TC3-HMAC-SHA256"
service := "cvm"
version := "2017-03-12"
action := "DescribeInstances"
region := "ap-guangzhou"
//var timestamp int64 = time.Now().Unix()
var timestamp int64 = 1551113065

// step 1: build canonical request string
httpRequestMethod := "POST"
canonicalURI := "/"
canonicalQueryString := ""
canonicalHeaders := "content-type:application/json; charset=utf-8\n" + "host:" +
host + "\n"
signedHeaders := "content-type;host"
payload := `{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-na
me"}]}`
hashedRequestPayload := sha256hex(payload)
canonicalRequest := fmt.Sprintf("%s\n%s\n%s\n%s\n%s\n%s",
httpRequestMethod,
canonicalURI,
```

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```
canonicalQueryString,
canonicalHeaders,
signedHeaders,
hashedRequestPayload)
fmt.Println(canonicalRequest)

// step 2: build string to sign
date := time.Unix(timestamp, 0).UTC().Format("2006-01-02")
credentialScope := fmt.Sprintf("%s/%s/tc3_request", date, service)
hashedCanonicalRequest := sha256hex(canonicalRequest)
string2sign := fmt.Sprintf("%s\n%d\n%s\n%s",
algorithm,
timestamp,
credentialScope,
hashedCanonicalRequest)
fmt.Println(string2sign)

// step 3: sign string
secretDate := hmacsha256(date, "TC3"+secretKey)
secretService := hmacsha256(service, secretDate)
secretSigning := hmacsha256("tc3_request", secretService)
signature := hex.EncodeToString([]byte(hmacsha256(string2sign, secretSigning)))
fmt.Println(signature)

// step 4: build authorization
authorization := fmt.Sprintf("%s Credential=%s/%s, SignedHeaders=%s, Signature=%
s",
algorithm,
secretId,
credentialScope,
signedHeaders,
signature)
fmt.Println(authorization)

curl := fmt.Sprintf(`curl -X POST https://%s\
-H "Authorization: %s"\
-H "Content-Type: application/json; charset=utf-8"\
-H "Host: %s" -H "X-TC-Action: %s"\
-H "X-TC-Timestamp: %d"\
-H "X-TC-Version: %s"\
-H "X-TC-Region: %s"\
-d '%s'`, host, authorization, host, action, timestamp, version, region, payload)
fmt.Println(curl)
}
```

PHP

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```php
<?php
$secretId = "AKID********************************";
$secretKey = "********************************";
$host = "cvm.tencentcloudapi.com";
$service = "cvm";
$version = "2017-03-12";
$action = "DescribeInstances";
$region = "ap-guangzhou";
// $timestamp = time();
$timestamp = 1551113065;
$algorithm = "TC3-HMAC-SHA256";

// step 1: build canonical request string
$httpRequestMethod = "POST";
$canonicalUri = "/";
$canonicalQueryString = "";
$canonicalHeaders = "content-type:application/json; charset=utf-8\n"."host:".$hos
t."\n";
$signedHeaders = "content-type;host";
$payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-na
me"}]}';
$hashedRequestPayload = hash("SHA256", $payload);
$canonicalRequest = $httpRequestMethod."\n"
.$canonicalUri."\n"
.$canonicalQueryString."\n"
.$canonicalHeaders."\n"
.$signedHeaders."\n"
.$hashedRequestPayload;
echo $canonicalRequest.PHP_EOL;

// step 2: build string to sign
$date = gmdate("Y-m-d", $timestamp);
$credentialScope = $date."/".$service."/tc3_request";
$hashedCanonicalRequest = hash("SHA256", $canonicalRequest);
$stringToSign = $algorithm."\n"
.$timestamp."\n"
.$credentialScope."\n"
.$hashedCanonicalRequest;
echo $stringToSign.PHP_EOL;

// step 3: sign string
$secretDate = hash_hmac("SHA256", $date, "TC3".$secretKey, true);
$secretService = hash_hmac("SHA256", $service, $secretDate, true);
$secretSigning = hash_hmac("SHA256", "tc3_request", $secretService, true);
$signature = hash_hmac("SHA256", $stringToSign, $secretSigning);
echo $signature.PHP_EOL;
```

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```
// step 4: build authorization
$authorization = $algorithm
." Credential=".$secretId."/".$credentialScope
.", SignedHeaders=content-type;host, Signature=".$signature;
echo $authorization.PHP_EOL;

$curl = "curl -X POST https://".$host
.' -H "Authorization: '.$authorization.'"'
.' -H "Content-Type: application/json; charset=utf-8"'
.' -H "Host: '.$host.'"'
.' -H "X-TC-Action: '.$action.'"'
.' -H "X-TC-Timestamp: '.$timestamp.'"'
.' -H "X-TC-Version: '.$version.'"'
.' -H "X-TC-Region: '.$region.'"'
." -d '".$payload."'";
echo $curl.PHP_EOL;
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'digest'
require 'json'
require 'time'
require 'openssl'

# Key Parameters
secret_id = 'AKID********************************'
secret_key = '********************************'

service = 'cvm'
host = 'cvm.tencentcloudapi.com'
endpoint = 'https://' + host
region = 'ap-guangzhou'
action = 'DescribeInstances'
version = '2017-03-12'
algorithm = 'TC3-HMAC-SHA256'
# timestamp = Time.now.to_i
timestamp = 1551113065
date = Time.at(timestamp).utc.strftime('%Y-%m-%d')

# ************* Step 1: Concatenate the CanonicalRequest string *************
http_request_method = 'POST'
canonical_uri = '/'
canonical_querystring = ''
```

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```
canonical_headers = "content-type:application/json; charset=utf-8\nhost:#{host}
\n"
signed_headers = 'content-type;host'
# params = { 'Limit' => 1, 'Filters' => [{ 'Name' => 'instance-name', 'Values' =>
['unnamed'] }] }
# payload = JSON.generate(params, { 'ascii_only' => true, 'space' => ' ' })
# json will generate in random order, to get specified result in example, we hard
-code it here.
payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-nam
e"}]}'
hashed_request_payload = Digest::SHA256.hexdigest(payload)
canonical_request = [
http_request_method,
canonical_uri,
canonical_querystring,
canonical_headers,
signed_headers,
hashed_request_payload,
].join("\n")

puts canonical_request

# ************* Step 2: Concatenate the string to sign *************
credential_scope = date + '/' + service + '/' + 'tc3_request'
hashed_request_payload = Digest::SHA256.hexdigest(canonical_request)
string_to_sign = [
algorithm,
timestamp.to_s,
credential_scope,
hashed_request_payload,
].join("\n")
puts string_to_sign

# ************* Step 3: Calculate the Signature *************
digest = OpenSSL::Digest.new('sha256')
secret_date = OpenSSL::HMAC.digest(digest, 'TC3' + secret_key, date)
secret_service = OpenSSL::HMAC.digest(digest, secret_date, service)
secret_signing = OpenSSL::HMAC.digest(digest, secret_service, 'tc3_request')
signature = OpenSSL::HMAC.hexdigest(digest, secret_signing, string_to_sign)
puts signature

# ************* Step 4: Concatenate the Authorization *************
authorization = "#{algorithm} Credential=#{secret_id}/#{credential_scope}, Signed
Headers=#{signed_headers}, Signature=#{signature}"
puts authorization

puts 'curl -X POST ' + endpoint \
```

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```
+ ' -H "Authorization: ' + authorization + '"' \
+ ' -H "Content-Type: application/json; charset=utf-8"' \
+ ' -H "Host: ' + host + '"' \
+ ' -H "X-TC-Action: ' + action + '"' \
+ ' -H "X-TC-Timestamp: ' + timestamp.to_s + '"' \
+ ' -H "X-TC-Version: ' + version + '"' \
+ ' -H "X-TC-Region: ' + region + '"' \
+ " -d '" + payload + "'"
```

DotNet

```
using System;
using System.Collections.Generic;
using System.Security.Cryptography;
using System.Text;

public class Application
{
public static string SHA256Hex(string s)
{
using (SHA256 algo = SHA256.Create())
{
byte[] hashbytes = algo.ComputeHash(Encoding.UTF8.GetBytes(s));
StringBuilder builder = new StringBuilder();
for (int i = 0; i < hashbytes.Length; ++i)
{
builder.Append(hashbytes[i].ToString("x2"));
}
return builder.ToString();
}
}
public static byte[] HmacSHA256(byte[] key, byte[] msg)
{
using (HMACSHA256 mac = new HMACSHA256(key))
{
return mac.ComputeHash(msg);
}
}

public static Dictionary<String, String> BuildHeaders(string secretid,
string secretkey, string service, string endpoint, string region,
string action, string version, DateTime date, string requestPayload)
{
string datestr = date.ToString("yyyy-MM-dd");
DateTime startTime = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc);
long requestTimestamp = (long)Math.Round((date - startTime).TotalMilliseconds, Mi
```

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```
dpointRounding.AwayFromZero) / 1000;
// ************* Step 1: Concatenate the CanonicalRequest string *************
string algorithm = "TC3-HMAC-SHA256";
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string contentType = "application/json";
string canonicalHeaders = "content-type:" + contentType + "; charset=utf-8\n" +
"host:" + endpoint + "\n";
string signedHeaders = "content-type;host";
string hashedRequestPayload = SHA256Hex(requestPayload);
string canonicalRequest = httpRequestMethod + "\n"
+ canonicalUri + "\n"
+ canonicalQueryString + "\n"
+ canonicalHeaders + "\n"
+ signedHeaders + "\n"
+ hashedRequestPayload;
Console.WriteLine(canonicalRequest);
Console.WriteLine("-----------------------------------");

// ************* Step 2: Concatenate the string to sign *************
string credentialScope = datestr + "/" + service + "/" + "tc3_request";
string hashedCanonicalRequest = SHA256Hex(canonicalRequest);
string stringToSign = algorithm + "\n" + requestTimestamp.ToString() + "\n" + cre
dentialScope + "\n" + hashedCanonicalRequest;
Console.WriteLine(stringToSign);
Console.WriteLine("-----------------------------------");

// ************* Step 3: Calculate the signature *************
byte[] tc3SecretKey = Encoding.UTF8.GetBytes("TC3" + secretkey);
byte[] secretDate = HmacSHA256(tc3SecretKey, Encoding.UTF8.GetBytes(datestr));
byte[] secretService = HmacSHA256(secretDate, Encoding.UTF8.GetBytes(service));
byte[] secretSigning = HmacSHA256(secretService, Encoding.UTF8.GetBytes("tc3_requ
est"));
byte[] signatureBytes = HmacSHA256(secretSigning, Encoding.UTF8.GetBytes(stringTo
Sign));
string signature = BitConverter.ToString(signatureBytes).Replace("-", "").ToLower
();
Console.WriteLine(signature);
Console.WriteLine("-----------------------------------");

// ************* Step 4: Concatenate the Authorization *************
string authorization = algorithm + " "
+ "Credential=" + secretid + "/" + credentialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", "
+ "Signature=" + signature;
Console.WriteLine(authorization);
```

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```
Console.WriteLine("-----------------------------------");

Dictionary<string, string> headers = new Dictionary<string, string>();
headers.Add("Authorization", authorization);
headers.Add("Host", endpoint);
headers.Add("Content-Type", contentType + "; charset=utf-8");
headers.Add("X-TC-Timestamp", requestTimestamp.ToString());
headers.Add("X-TC-Version", version);
headers.Add("X-TC-Action", action);
headers.Add("X-TC-Region", region);
return headers;
}
public static void Main(string[] args)
{
// SecretID and SecretKey
string SECRET_ID = "AKID********************************";
string SECRET_KEY = "********************************";

string service = "cvm";
string endpoint = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";

// The timestamp `2019-02-26 00:44:25` used here is only for reference. In a proj
ect, use the following parameter:
// DateTime date = DateTime.UtcNow;
// Enter the correct time zone. We recommend using UTC timestamp to avoid errors.
DateTime date = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc).AddSeconds
(1551113065);
string requestPayload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"],
\"Name\": \"instance-name\"}]}";

Dictionary<string, string> headers = BuildHeaders(SECRET_ID, SECRET_KEY, service
, endpoint, region, action, version, date, requestPayload);

Console.WriteLine("POST https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine();
Console.WriteLine(requestPayload);
}
}
```

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NodeJS

```
const crypto = require('crypto');

function sha256(message, secret = '', encoding) {
const hmac = crypto.createHmac('sha256', secret)
return hmac.update(message).digest(encoding)
}
function getHash(message, encoding = 'hex') {
const hash = crypto.createHash('sha256')
return hash.update(message).digest(encoding)
}
function getDate(timestamp) {
const date = new Date(timestamp * 1000)
const year = date.getUTCFullYear()
const month = ('0' + (date.getUTCMonth() + 1)).slice(-2)
const day = ('0' + date.getUTCDate()).slice(-2)
return `${year}-${month}-${day}`
}
function main(){

const SECRET_ID = "AKID********************************"
const SECRET_KEY = "********************************"

const endpoint = "cvm.tencentcloudapi.com"
const service = "cvm"
const region = "ap-guangzhou"
const action = "DescribeInstances"
const version = "2017-03-12"
//const timestamp = getTime()
const timestamp = 1551113065
const date = getDate(timestamp)

// ************* Step 1: Concatenate the CanonicalRequest string *************
const signedHeaders = "content-type;host"

const payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name
\": \"instance-name\"}]}"

const hashedRequestPayload = getHash(payload);
const httpRequestMethod = "POST"
const canonicalUri = "/"
const canonicalQueryString = ""
const canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "hos
t:" + endpoint + "\n"

const canonicalRequest = httpRequestMethod + "\n"
```

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```
+ canonicalUri + "\n"
+ canonicalQueryString + "\n"
+ canonicalHeaders + "\n"
+ signedHeaders + "\n"
+ hashedRequestPayload
console.log(canonicalRequest)
console.log("----------------------------")

// ************* Step 2: Concatenate the string to sign *************
const algorithm = "TC3-HMAC-SHA256"
const hashedCanonicalRequest = getHash(canonicalRequest);
const credentialScope = date + "/" + service + "/" + "tc3_request"
const stringToSign = algorithm + "\n" +
timestamp + "\n" +
credentialScope + "\n" +
hashedCanonicalRequest
console.log(stringToSign)
console.log("----------------------------")

// ************* Step 3: Calculate the signature *************
const kDate = sha256(date, 'TC3' + SECRET_KEY)
const kService = sha256(service, kDate)
const kSigning = sha256('tc3_request', kService)
const signature = sha256(stringToSign, kSigning, 'hex')
console.log(signature)
console.log("----------------------------")

// ************* Step 4: Concatenate the Authorization *************
const authorization = algorithm + " " +
"Credential=" + SECRET_ID + "/" + credentialScope + ", " +
"SignedHeaders=" + signedHeaders + ", " +
"Signature=" + signature
console.log(authorization)
console.log("----------------------------")

const Call_Information = 'curl -X POST ' + "https://" + endpoint
+ ' -H "Authorization: ' + authorization + '"'
+ ' -H "Content-Type: application/json; charset=utf-8"'
+ ' -H "Host: ' + endpoint + '"'
+ ' -H "X-TC-Action: ' + action + '"'
+ ' -H "X-TC-Timestamp: ' + timestamp.toString() + '"'
+ ' -H "X-TC-Version: ' + version + '"'
+ ' -H "X-TC-Region: ' + region + '"'
+ " -d '" + payload + "'"
console.log(Call_Information)
}
main()
```

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C++

```
#include <iostream>
#include <iomanip>
#include <sstream>
#include <string>
#include <stdio.h>
#include <time.h>
#include <openssl/sha.h>
#include <openssl/hmac.h>

using namespace std;

string get_data(int64_t &timestamp)
{
string utcDate;
char buff[20] = {0};
// time_t timenow;
struct tm sttime;
sttime = *gmtime(&timestamp);
strftime(buff, sizeof(buff), "%Y-%m-%d", &sttime);
utcDate = string(buff);
return utcDate;
}
string int2str(int64_t n)
{
std::stringstream ss;
ss << n;
return ss.str();
}
string sha256Hex(const string &str)
{
char buf[3];
unsigned char hash[SHA256_DIGEST_LENGTH];
SHA256_CTX sha256;
SHA256_Init(&sha256);
SHA256_Update(&sha256, str.c_str(), str.size());
SHA256_Final(hash, &sha256);
std::string NewString = "";
for(int i = 0; i < SHA256_DIGEST_LENGTH; i++)
{
snprintf(buf, sizeof(buf), "%02x", hash[i]);
NewString = NewString + buf;
}
return NewString;
```

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```
}
string HmacSha256(const string &key, const string &input)
{
unsigned char hash[32];

HMAC_CTX *h;
#if OPENSSL_VERSION_NUMBER < 0x10100000L
HMAC_CTX hmac;
HMAC_CTX_init(&hmac);
h = &hmac;
#else
h = HMAC_CTX_new();
#endif

HMAC_Init_ex(h, &key[0], key.length(), EVP_sha256(), NULL);
HMAC_Update(h, ( unsigned char* )&input[0], input.length());
unsigned int len = 32;
HMAC_Final(h, hash, &len);

#if OPENSSL_VERSION_NUMBER < 0x10100000L
HMAC_CTX_cleanup(h);
#else
HMAC_CTX_free(h);
#endif

std::stringstream ss;
ss << std::setfill('0');
for (int i = 0; i < len; i++)
{
ss << hash[i];
}

return (ss.str());
}
string HexEncode(const string &input)
{
static const char* const lut = "0123456789abcdef";
size_t len = input.length();

string output;
output.reserve(2 * len);
for (size_t i = 0; i < len; ++i)
{
const unsigned char c = input[i];
output.push_back(lut[c >> 4]);
output.push_back(lut[c & 15]);
}
```

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```
return output;
}

int main()
{
string SECRET_ID = "AKID********************************";
string SECRET_KEY = "********************************";

string service = "cvm";
string host = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
int64_t timestamp = 1551113065;
string date = get_data(timestamp);

// ************* Step 1: Concatenate the CanonicalRequest string *************
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string canonicalHeaders = "content-type:application/json; charset=utf-8\nhost:" +
host + "\n";
string signedHeaders = "content-type;host";
string payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name
\": \"instance-name\"}]}";
string hashedRequestPayload = sha256Hex(payload);
string canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canoni
calQueryString + "\n"
+ canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
cout << canonicalRequest << endl;
cout << "-----------------------" << endl;

// ************* Step 2: Concatenate the string to sign *************
string algorithm = "TC3-HMAC-SHA256";
string RequestTimestamp = int2str(timestamp);
string credentialScope = date + "/" + service + "/" + "tc3_request";
string hashedCanonicalRequest = sha256Hex(canonicalRequest);
string stringToSign = algorithm + "\n" + RequestTimestamp + "\n" + credentialScop
e + "\n" + hashedCanonicalRequest;
cout << stringToSign << endl;
cout << "-----------------------" << endl;

// ************* Step 3: Calculate the signature ***************
string kKey = "TC3" + SECRET_KEY;
string kDate = HmacSha256(kKey, date);
string kService = HmacSha256(kDate, service);
string kSigning = HmacSha256(kService, "tc3_request");
```

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```
string signature = HexEncode(HmacSha256(kSigning, stringToSign));
cout << signature << endl;
cout << "-----------------------" << endl;

// ************* Step 4: Concatenate the Authorization *************
string authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + creden
tialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", " + "Signature=" + signature;
cout << authorization << endl;
cout << "-----------------------" << endl;

string headers = "curl -X POST https://" + host + "\n"
+ " -H \"Authorization: " + authorization + "\n"
+ " -H \"Content-Type: application/json; charset=utf-8\"" + "\n"
+ " -H \"Host: " + host + "\n"
+ " -H \"X-TC-Action: " + action + "\n"
+ " -H \"X-TC-Timestamp: " + RequestTimestamp + "\n"
+ " -H \"X-TC-Version: " + version + "\n"
+ " -H \"X-TC-Region: " + region + "\n"
+ " -d '" + payload;
cout << headers << endl;
return 0;
};
```

Signature Failure

The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error Code	Description
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes.
AuthFailure.SecretIdNotFound	The key does not exist. Please go to the console to check whether it is disabled or you copied fewer or more characters.
AuthFailure.SignatureFailure	Signature error. It is possible that the signature was calculated incorrectly, the signature does not match the content actually sent, or the SecretKey is incorrect.
AuthFailure.TokenFailure	Temporary certificate token error.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).

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Signature

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Tencent Cloud API authenticates each access request, i.e. each request needs to include authentication information (Signature) in the common parameters to verify the identity of the requester.
The Signature is generated by the security credentials which include SecretId and SecretKey. If you don't have the security credentials yet, go to the TencentCloud API Key page to apply for them; otherwise, you cannot invoke the TencentCloud API.

1. Applying for Security Credentials

Before using the TencentCloud API for the first time, go to the TencentCloud API Key page to apply for security credentials.
Security credentials consist of SecretId and SecretKey:

- SecretId is used to identify the API requester.
- SecretKey is used to encrypt the signature string and verify it on the server.
- **You must keep your security credentials private and avoid disclosure.**

You can apply for the security credentials through the following steps:

1. Log in to the Tencent Cloud Console.
2. Go to the TencentCloud API Key page.
3. On the API Key Management page, click **Create Key** to create a SecretId/SecretKey pair.

Note: Each account can have up to two pairs of SecretId/SecretKey.

2. Generating a Signature

With the SecretId and SecretKey, a signature can be generated. The following describes how to generate a signature:

Assume that the SecretId and SecretKey are:

- SecretId: `AKID********************************`
- SecretKey: `********************************`

Note: This is just an example. For actual operations, please use your own SecretId and SecretKey.

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Take the Cloud Virtual Machine's request to view the instance list (DescribeInstances) as an example. When you invoke this API, the request parameters may be as follows:

Parameter name	Description	Parameter value
Action	Method name	DescribeInstances
SecretId	Key ID	`AKID********************************`
Timestamp	Current timestamp	1465185768
Nonce	Random positive integer	11886
Region	Region where the instance is located	ap-guangzhou
InstanceIds.0	ID of the instance to query	ins-09dx96dg
Offset	Offset	0
Limit	Allowed maximum output	20
Version	API version number	2017-03-12

2.1. Sorting Parameters

First, sort all the request parameters in an ascending lexicographical order (ASCII code) by their names. Notes: (1) Parameters are sorted by their names instead of their values; (2) The parameters are sorted based on ASCII code, not in an alphabetical order or by values. For example, InstanceIds.2 should be arranged after InstanceIds.12. You can complete the sorting process using a sorting function in a programming language, such as the ksort function in PHP. The parameters in the example are sorted as follows:

```
{
'Action' : 'DescribeInstances',
'InstanceIds.0' : 'ins-09dx96dg',
'Limit' : 20,
'Nonce' : 11886,
'Offset' : 0,
'Region' : 'ap-guangzhou',
'SecretId' : 'AKID********************************',
'Timestamp' : 1465185768,
'Version': '2017-03-12',
}
```

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When developing in another programming language, you can sort these sample parameters and it will work as long as you obtain the same results.

2.2. Concatenating a Request String

This step generates a request string.

Format the request parameters sorted in the previous step into the form of "parameter name"="parameter value". For example, for the Action parameter, its parameter name is "Action" and its parameter value is "DescribeInstances", so it will become Action=DescribeInstances after formatted.

Note: The "parameter value" is the original value but not the value after URL encoding.

Then, concatenate the formatted parameters with "&". The resulting request string is as follows:

```
Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0
&Region=ap-guangzhou&SecretId=AKID********************************&Timestamp=1465
185768&Version=2017-03-12
```

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

1. HTTP method: POST and GET modes are supported, and GET is used here for the request. Please note that the method name should be in all capital letters.
2. Request server: the domain name of the request to view the list of instances (DescribeInstances) is cvm.tencentcloudapi.com. The actual request domain name varies by the module to which the API belongs. For more information, see the instructions of the specific API.
3. Request path: The request path in the current version of TencentCloud API is fixed to /.
4. Request string: the request string generated in the previous step.

The concatenation rule of the signature original string is: Request method + request host + request path + ? + request string

The concatenation result of the example is:

```
GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&L
imit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKID******************
************&Timestamp=1465185768&Version=2017-03-12
```

2.4. Generating a Signature String

This step generates a signature string.

First, use the HMAC-SHA1 algorithm to sign the **signature original string** obtained in the previous step, and then

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encode the generated signature using Base64 to obtain the final signature.

The specific code is as follows with the PHP language being used as an example:

```
$secretKey = '********************************';
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins
-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKID********
************************&Timestamp=1465185768&Version=2017-03-12';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
echo $signStr;
```

The final signature is:

```
7RAM2xfNMO9EiVTNmPg06MRnCvQ=
```

When developing in another programming language, you can sign and verify the original in the example above and it works as long as you get the same results.

3. Encoding a Signature String

The generated signature string cannot be directly used as a request parameter and must be URL encoded.

For example, if the signature string generated in the previous step is 7RAM2xfNMO9EiVTNmPg06MRnCvQ=, the final signature string request parameter (Signature) is 7RAM2xfNMO9EiVTNmPg06MRnCvQ%3D, which will be used to generate the final request URL.

Note: If your request method is GET, or the request method is POST and the Content-Type is application/x-www-form-urlencoded, then all the request parameter values need to be URL encoded (except the parameter key and the symbol of =) when sending the request. Non-ASCII characters need to be encoded with UTF-8 before URL encoding.

Note: The network libraries of some programming languages automatically URL encode all parameters, in which case there is no need to URL encode the signature string; otherwise, two rounds of URL encoding will cause the signature to fail.

Note: Other parameter values also need to be encoded using RFC 3986. Use %XY in percent-encoding for special characters such as Chinese characters, where "X" and "Y" are hexadecimal characters (0-9 and uppercase A-F), and using lowercase will cause an error.

4. Signature Failure

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The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error code	Error description
AuthFailure.SignatureExpire	The signature is expired
AuthFailure.SecretIdNotFound	The key does not exist
AuthFailure.SignatureFailure	Signature error
AuthFailure.TokenFailure	Token error
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type)

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See SDK Center for more information. Currently, the following programming languages are supported:

- Python
- Java
- PHP
- Go
- NodeJS
- .NET

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKID********************************&Signature=7RAM2xfNMO9EiVTNmPg06MRnCvQ%3D&Timestamp=1465185768&Version=2017-03-12` .

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

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Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

Java

```
import java.io.UnsupportedEncodingException;
import java.net.URLEncoder;
import java.util.Random;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPIDemo {
private final static String CHARSET = "UTF-8";

public static String sign(String s, String key, String method) throws Exception {
Mac mac = Mac.getInstance(method);
SecretKeySpec secretKeySpec = new SecretKeySpec(key.getBytes(CHARSET), mac.getAlg
orithm());
mac.init(secretKeySpec);
byte[] hash = mac.doFinal(s.getBytes(CHARSET));
return DatatypeConverter.printBase64Binary(hash);
}

public static String getStringToSign(TreeMap<String, Object> params) {
StringBuilder s2s = new StringBuilder("GETcvm.tencentcloudapi.com/?");
// When signing, the parameters need to be sorted in lexicographical order. TreeM
ap is used here to guarantee the correct order.
for (String k : params.keySet()) {
s2s.append(k).append("=").append(params.get(k).toString()).append("&");
}
return s2s.toString().substring(0, s2s.length() - 1);
}

public static String getUrl(TreeMap<String, Object> params) throws UnsupportedEnc
odingException {
StringBuilder url = new StringBuilder("https://cvm.tencentcloudapi.com/?");
// There is no requirement for the order of the parameters in the actual request
URL.
for (String k : params.keySet()) {
```

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```
// The request string needs to be URL encoded. As the Key is all in English lette
rs, only the value is URL encoded here.
url.append(k).append("=").append(URLEncoder.encode(params.get(k).toString(), CHAR
SET)).append("&");
}
return url.toString().substring(0, url.length() - 1);
}

public static void main(String[] args) throws Exception {
TreeMap<String, Object> params = new TreeMap<String, Object>(); // TreeMap enable
s automatic sorting
// A random number should be used when actually calling, for example: params.put
("Nonce", new Random().nextInt(java.lang.Integer.MAX_VALUE));
params.put("Nonce", 11886); // Common parameter
// The current time of the system should be used when actually calling, for examp
le: params.put("Timestamp", System.currentTimeMillis() / 1000);
params.put("Timestamp", 1465185768); // Common parameter
params.put("SecretId", "AKID********************************"); // Common paramet
er
params.put("Action", "DescribeInstances"); // Common parameter
params.put("Version", "2017-03-12"); // Common parameter
params.put("Region", "ap-guangzhou"); // Common parameter
params.put("Limit", 20); // Business parameter
params.put("Offset", 0); // Business parameter
params.put("InstanceIds.0", "ins-09dx96dg"); // Business parameter
params.put("Signature", sign(getStringToSign(params), "************************
******", "HmacSHA1")); // Common parameter
System.out.println(getUrl(params));
}
}
```

Python

Note: If running in a Python 2 environment, the following requests dependency package must be installed first: `pip install requests` .

```
# -*- coding: utf8 -*-
import base64
import hashlib
import hmac
import time

import requests

secret_id = "AKID********************************"
secret_key = "********************************"
```

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```
def get_string_to_sign(method, endpoint, params):
s = method + endpoint + "/?"
query_str = "&".join("%s=%s" % (k, params[k]) for k in sorted(params))
return s + query_str

def sign_str(key, s, method):
hmac_str = hmac.new(key.encode("utf8"), s.encode("utf8"), method).digest()
return base64.b64encode(hmac_str)

if __name__ == '__main__':
endpoint = "cvm.tencentcloudapi.com"
data = {
'Action' : 'DescribeInstances',
'InstanceIds.0' : 'ins-09dx96dg',
'Limit' : 20,
'Nonce' : 11886,
'Offset' : 0,
'Region' : 'ap-guangzhou',
'SecretId' : secret_id,
'Timestamp' : 1465185768, # int(time.time())
'Version': '2017-03-12'
}
s = get_string_to_sign("GET", endpoint, data)
data["Signature"] = sign_str(secret_key, s, hashlib.sha1)
print(data["Signature"])
# An actual invocation would occur here, which may incur fees after success
# resp = requests.get("https://" + endpoint, params=data)
# print(resp.url)
```

Golang

```
package main

import (
"bytes"
"crypto/hmac"
"crypto/sha1"
"encoding/base64"
"fmt"
"sort"
)

func main() {
secretId := "AKID********************************"
secretKey := "********************************"
```

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```
params := map[string]string{
"Nonce": "11886",
"Timestamp": "1465185768",
"Region": "ap-guangzhou",
"SecretId": secretId,
"Version": "2017-03-12",
"Action": "DescribeInstances",
"InstanceIds.0": "ins-09dx96dg",
"Limit": "20",
"Offset": "0",
}

var buf bytes.Buffer
buf.WriteString("GET")
buf.WriteString("cvm.tencentcloudapi.com")
buf.WriteString("/")
buf.WriteString("?")

// sort keys by ascii asc order
keys := make([]string, 0, len(params))
for k, _ := range params {
keys = append(keys, k)
}
sort.Strings(keys)

for i := range keys {
k := keys[i]
buf.WriteString(k)
buf.WriteString("=")
buf.WriteString(params[k])
buf.WriteString("&")
}
buf.Truncate(buf.Len() - 1)

hashed := hmac.New(sha1.New, []byte(secretKey))
hashed.Write(buf.Bytes())

fmt.Println(base64.StdEncoding.EncodeToString(hashed.Sum(nil)))
}
```

PHP

```
<?php
$secretId = "AKID********************************";
$secretKey = "********************************";
$param["Nonce"] = 11886;//rand();
```

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```
$param["Timestamp"] = 1465185768;//time();
$param["Region"] = "ap-guangzhou";
$param["SecretId"] = $secretId;
$param["Version"] = "2017-03-12";
$param["Action"] = "DescribeInstances";
$param["InstanceIds.0"] = "ins-09dx96dg";
$param["Limit"] = 20;
$param["Offset"] = 0;

ksort($param);

$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ( $param as $key => $value ) {
$signStr = $signStr . $key . "=" . $value . "&";
}
$signStr = substr($signStr, 0, -1);

$signature = base64_encode(hash_hmac("sha1", $signStr, $secretKey, true));
echo $signature.PHP_EOL;
// need to install and enable curl extension in php.ini
// $param["Signature"] = $signature;
// $url = "https://cvm.tencentcloudapi.com/?".http_build_query($param);
// echo $url.PHP_EOL;
// $ch = curl_init();
// curl_setopt($ch, CURLOPT_URL, $url);
// $output = curl_exec($ch);
// curl_close($ch);
// echo json_decode($output);
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'time'
require 'openssl'
require 'base64'

secret_id = "AKID********************************"
secret_key = "********************************"

method = 'GET'
endpoint = 'cvm.tencentcloudapi.com'
data = {
'Action' => 'DescribeInstances',
'InstanceIds.0' => 'ins-09dx96dg',
'Limit' => 20,
```

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```
'Nonce' => 11886,
'Offset' => 0,
'Region' => 'ap-guangzhou',
'SecretId' => secret_id,
'Timestamp' => 1465185768, # Time.now.to_i
'Version' => '2017-03-12',
}
sign = method + endpoint + '/?'
params = []
data.sort.each do |item|
params << "#{item[0]}=#{item[1]}"
end
sign += params.join('&')
digest = OpenSSL::Digest.new('sha1')
data['Signature'] = Base64.encode64(OpenSSL::HMAC.digest(digest, secret_key, sig
n))
puts data['Signature']

# require 'net/http'
# uri = URI('https://' + endpoint)
# uri.query = URI.encode_www_form(data)
# p uri
# res = Net::HTTP.get_response(uri)
# puts res.body
```

DotNet

```
using System;
using System.Collections.Generic;
using System.Net;
using System.Security.Cryptography;
using System.Text;

public class Application {
public static string Sign(string signKey, string secret)
{
string signRet = string.Empty;
using (HMACSHA1 mac = new HMACSHA1(Encoding.UTF8.GetBytes(signKey)))
{
byte[] hash = mac.ComputeHash(Encoding.UTF8.GetBytes(secret));
signRet = Convert.ToBase64String(hash);
}
return signRet;
}
public static string MakeSignPlainText(SortedDictionary<string, string> requestPa
rams, string requestMethod, string requestHost, string requestPath)
```

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```
{
string retStr = "";
retStr += requestMethod;
retStr += requestHost;
retStr += requestPath;
retStr += "?";
string v = "";
foreach (string key in requestParams.Keys)
{
v += string.Format("{0}={1}&", key, requestParams[key]);
}
retStr += v.TrimEnd('&');
return retStr;
}

public static void Main(string[] args)
{
string SECRET_ID = "AKID********************************";
string SECRET_KEY = "********************************";

string endpoint = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
double RequestTimestamp = 1465185768;
// long timestamp = ToTimestamp() / 1000;
// string requestTimestamp = timestamp.ToString();
Dictionary<string, string> param = new Dictionary<string, string>();
param.Add("Limit", "20");
param.Add("Offset", "0");
param.Add("InstanceIds.0", "ins-09dx96dg");
param.Add("Action", action);
param.Add("Nonce", "11886");
// param.Add("Nonce", Math.Abs(new Random().Next()).ToString());

param.Add("Timestamp", RequestTimestamp.ToString());
param.Add("Version", version);

param.Add("SecretId", SECRET_ID);
param.Add("Region", region);
SortedDictionary<string, string> headers = new SortedDictionary<string, string>(p
aram, StringComparer.Ordinal);
string sigInParam = MakeSignPlainText(headers, "GET", endpoint, "/");
Console.WriteLine(sigInParam);
string sigOutParam = Sign(SECRET_KEY, sigInParam);
```

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```
Console.WriteLine("GET https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine("Signature" + ": " + WebUtility.UrlEncode(sigOutParam));
Console.WriteLine();

string result = "https://cvm.tencentcloudapi.com/?";
foreach (KeyValuePair<string, string> kv in headers)
{
result += WebUtility.UrlEncode(kv.Key) + "=" + WebUtility.UrlEncode(kv.Value) +
"&";
}
result += WebUtility.UrlEncode("Signature") + "=" + WebUtility.UrlEncode(sigOutPa
ram);
Console.WriteLine("GET " + result);
}
}
```

NodeJS

```
const crypto = require('crypto');

function get_req_url(params, endpoint){
params['Signature'] = escape(params['Signature']);
const url_strParam = sort_params(params)
return "https://" + endpoint + "/?" + url_strParam.slice(1);
}

function formatSignString(reqMethod, endpoint, path, strParam){
let strSign = reqMethod + endpoint + path + "?" + strParam.slice(1);
return strSign;
}
function sha1(secretKey, strsign){
let signMethodMap = {'HmacSHA1': "sha1"};
let hmac = crypto.createHmac(signMethodMap['HmacSHA1'], secretKey || "");
return hmac.update(Buffer.from(strsign, 'utf8')).digest('base64')
}

function sort_params(params){
let strParam = "";
let keys = Object.keys(params);
keys.sort();
for (let k in keys) {
//k = k.replace(/_/g, '.');
```

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```
strParam += ("&" + keys[k] + "=" + params[keys[k]]);
}
return strParam
}

function main(){
const SECRET_ID = "AKID********************************"
const SECRET_KEY = "********************************"

const endpoint = "cvm.tencentcloudapi.com"
const Region = "ap-guangzhou"
const Version = "2017-03-12"
const Action = "DescribeInstances"
const Timestamp = 1465185768
// const Timestamp = Math.round(Date.now() / 1000)
const Nonce = 11886
//const nonce = Math.round(Math.random() * 65535)

let params = {};
params['Action'] = Action;
params['InstanceIds.0'] = 'ins-09dx96dg';
params['Limit'] = 20;
params['Offset'] = 0;
params['Nonce'] = Nonce;
params['Region'] = Region;
params['SecretId'] = SECRET_ID;
params['Timestamp'] = Timestamp;
params['Version'] = Version;

strParam = sort_params(params)

const reqMethod = "GET";
const path = "/";
strSign = formatSignString(reqMethod, endpoint, path, strParam)
console.log(strSign)
console.log("-----------------------")

params['Signature'] = sha1(SECRET_KEY, strSign)
console.log(params['Signature'])
console.log("-----------------------")

const req_url = get_req_url(params, endpoint)
console.log(params['Signature'])
console.log("-----------------------")
console.log(req_url)
}
main()
```

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Responses

Last updated：2024-07-10 15:32:48

Response for Successful Requests

For example, when calling CAM API (version: 2017-03-12) to view the status of instances (DescribeInstancesStatus), if the request has succeeded, you may see the response as shown below:

```
{
"Response": {
"TotalCount": 0,
"InstanceStatusSet": [],
"RequestId": "b5b41468-520d-4192-b42f-595cc34b6c1c"
}
}
```

- The API will return `Response`, which contains `RequestId`, as long as it processes the request. It does not matter if the request is successful or not.
- RequestId is the unique ID of an API request. Contact us with this ID when an exception occurs.
- Except for the fixed fields, all fields are action-specified. For the definitions of action-specified fields, see the corresponding API documentation. In this example, `TotalCount` and `InstanceStatusSet` are the fields specified by the API `DescribeInstancesStatus`. 0 `TotalCount` means that the requester owns 0 CVM instance so the `InstanceStatusSet` is empty.

Response for Failed Requests

If the request has failed, you may see the response as shown below:

```
{
"Response": {
"Error": {
"Code": "AuthFailure.SignatureFailure",
"Message": "The provided credentials could not be validated. Please ensure your s
ignature is correct."
},
"RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
}
}
```

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- The presence of the `Error` field indicates that the request has failed. A response for a failed request will include `Error`, `Code` and `Message` fields.
- `Code` is the code of the error that helps you identify the cause and solution. There are two types of error codes so you may find the code in either common error codes or API-specified error codes.
- Message explains the cause of the error. Note that the returned messages are subject to service updates. The information the messages provide may not be up-to-date and should not be the only source of reference.
- RequestId is the unique ID of an API request. Contact us with this ID when an exception occurs.

Common Error Codes

If there is an Error field in the response, it means that the API call failed. The Code field in Error indicates the error code. The following table lists the common error codes that all actions can return.

Error Code	Description
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	The key does not exist.
AuthFailure.SignatureExpire	Signature expired.
AuthFailure.SignatureFailure	Signature error.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request does not have CAM authorization.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
LimitExceeded	Quota limit exceeded.

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Error Code	Description
MissingParameter	A parameter is missing.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTPS request method error. Only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

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VPC APIs
CreateAssistantCidr

Last updated：2024-11-25 20:07:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to batch create secondary CIDR blocks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAssistantCidr.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	`VPC` instance `ID` , such as `vpc-6v2ht8q5` .
CidrBlocks.N	Yes	Array of String	Array of CIDR blocks, such as ["10.0.0.0/16", "172.16.0.0/16"]

3. Output Parameters

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Parameter Name	Type	Description
AssistantCidrSet	Array of AssistantCidr	Array of secondary CIDR blocks. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a secondary CIDR block

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateAssistantCidr
<Common request parameters>

{
"VpcId": "vpc-12345678",
"CidrBlocks": [
"172.16.0.0/24"
]
}
```

Output Example

```
{
"Response": {
"AssistantCidrSet": [
{
"VpcId": "vpc-12345678",
"CidrBlock": "172.16.0.0/24",
"AssistantType": 0
}
],
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
```

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```
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
InvalidParameterValue.SubnetOverlapAssistCidr	The subnet IP range overlaps with the secondary CIDR block.

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InvalidParameterValue.SubnetRange	Invalid subnet CIDR.
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.

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DeleteAssistantCidr

Last updated：2024-11-25 20:07:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a secondary CIDR block.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAssistantCidr.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	`VPC` instance `ID` , such as `vpc-6v2ht8q5` .
CidrBlocks.N	Yes	Array of String	Array of CIDR blocks, such as ["10.0.0.0/16", "172.16.0.0/16"]

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a secondary CIDR block

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteAssistantCidr
<Common request parameters>

{
"VpcId": "vpc-12345678",
"CidrBlocks": [
"172.16.0.0/24"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "2fd3d9b3-42cb-4d80-9e19-d97e978df80b"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.

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DeleteTrafficPackages

Last updated：2024-11-25 20:03:18

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete traffic packages. Note that only non-valid traffic packages can be deleted.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteTrafficPackages.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
TrafficPackageIds.N	Yes	Array of String	The unique ID array of traffic packages to delete

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting traffic packages

This example shows you how to delete traffic packages.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteTrafficPackages
&TrafficPackageIds.0=tfp-c9gcdb0t
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "5957a632-12b2-4051-b103-ecd77145ecbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.TrafficPackageIdMalformed	The traffic package ID is invalid.
InvalidParameterValue.TrafficPackageNotFound	This traffic package is not found.
InvalidParameterValue.TrafficPackageNotSupported	The specified traffic package does not support this operation.

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DescribeClassicLinkInstances

Last updated：2024-11-25 20:03:15

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeClassicLinkInstances) is used to query the Classiclink instances list.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeClassicLinkInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of FilterObject	Filter conditions. • vpc-id - String - (Filter condition) The VPC instance ID. • vm-ip - String - (Filter condition) The IP address of the CVM on the basic network.
Offset	No	String	Offset
Limit	No	String	The returned quantity

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3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
ClassicLinkInstanceSet	Array of ClassicLinkInstance	Classiclink instance.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the Classiclink list

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeClassicLinkInstances
&Filters.0.Name=vpc-id
&Filters.0.Values.0=vpc-gjui0b5t
&Filters.1.Name=vm-ip
&Filters.1.Values.0=10.9.0.3.0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"ClassicLinkInstanceSet": [
{
"VpcId": "vpc-gjui0b5t",
"InstanceId": "ins-0x5msjda"
}
],
"TotalCount": 1
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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DescribeTrafficPackages

Last updated：2024-11-25 20:07:15

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the details of shared traffic packages.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTrafficPackages.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
TrafficPackageIds.N	No	Array of String	Traffic package IDs. Multiple values can be used.
Filters.N	No	Array of Filter	Each request can have up to 10 `Filters`. `TrafficPackageIds` and `Filters` cannot be specified at the same time. The specific filter conditions are as follows: • `traffic-package_id` - String - Optional - Filter by the traffic package ID.

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			• `traffic-package-name` - String - Optional - Filter by the traffic package name. Fuzzy match is not supported. • `status` - String - Optional - Filter by the traffic package status. Values: [AVAILABLE|EXPIRED|EXHAUSTED].
Offset	No	Integer	Pagination parameter
Limit	No	Integer	Pagination parameter

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible traffic packages
TrafficPackageSet	Array of TrafficPackage	Traffic package information
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying details of all shared traffic packages under the current account

This example shows you how to query details of all shared traffic packages under the current account.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeTrafficPackages
<Common request parameters>

{}
```

Output Example

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```
{
"Response": {
"TotalCount": 1,
"TrafficPackageSet": [
{
"TrafficPackageId": "tfp-g67jlh1j",
"TrafficPackageName": "Unnamed",
"TotalAmount": 10,
"RemainingAmount": 10,
"Status": "AVAILABLE",
"CreatedTime": "2022-08-31T11:42:37Z",
"Deadline": "2022-09-30T11:42:36Z",
"DeductType": "FULL_TIME",
"UsedAmount": 0,
"TagSet": [
{
"Key": "aa",
"Value": "bb"
}
]
}
],
"RequestId": "e92ac36b-db69-4329-b030-9276b88d93c4"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameterValue.TrafficPackageIdMalformed	The traffic package ID is invalid.

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ModifyAssistantCidr

Last updated：2024-11-25 20:07:08

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to batch modify (add or delete) secondary CIDR blocks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAssistantCidr.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	`VPC` instance `ID`, such as `vpc-6v2ht8q5`.
NewCidrBlocks.N	No	Array of String	Array of the secondary CIDR blocks to be added, such as ["10.0.0.0/16", "172.16.0.0/16"]. At least one of `NewCidrBlocks` and `OldCidrBlocks` must be specified.
OldCidrBlocks.N	No	Array of String	Array of the secondary CIDR blocks to be deleted, such as ["10.0.0.0/16", "172.16.0.0/16"]. At least one of `NewCidrBlocks` or `OldCidrBlocks` must be specified.

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3. Output Parameters

Parameter Name	Type	Description
AssistantCidrSet	Array of AssistantCidr	Array of secondary CIDR blocks. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a secondary CIDR block

This example shows you how to add a secondary CIDR block: 172.16.1.0/24.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAssistantCidr
<Common request parameters>

{
"VpcId": "vpc-12345678",
"NewCidrBlocks": [
"172.16.0.0/24"
]
}
```

Output Example

```
{
"Response": {
"AssistantCidrSet": [
{
"VpcId": "vpc-12345678",
"CidrBlock": "172.16.0.0/24",
```

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```
"AssistantType": 0,
"SubnetSet": [
{
"VpcId": "vpc-12345678",
"SubnetId": "subnet-12345678",
"SubnetName": "xxx",
"CidrBlock": "10.0.4.0/24",
"Ipv6CidrBlock": "",
"IsDefault": false,
"IsRemoteVpcSnat": false,
"EnableBroadcast": false,
"Zone": "xx",
"RouteTableId": "rtb-xx",
"NetworkAclId": "",
"TotalIpAddressCount": "xx",
"AvailableIpAddressCount": "xx",
"CreatedTime": "xxxx-xx-xx xx:xx:xx",
"TagSet": []
}
]
}
],
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```


Example2 Adding and deleting secondary CIDR blocks

This example shows you how to add a secondary CIDR block 172.16.1.0/24 while deleting 172.16.0.0/24.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAssistantCidr
<Common request parameters>

{
"VpcId": "vpc-12345678",
"OldCidrBlocks": [
"172.16.0.0/24"
],
"NewCidrBlocks": [
"172.16.1.0/24"
```

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```
]
}
```

Output Example


```
{
"Response": {
"AssistantCidrSet": [
{
"VpcId": "vpc-12345678",
"CidrBlock": "172.16.1.0/24",
"AssistantType": 0,
"SubnetSet": [
{
"VpcId": "vpc-12345678",
"SubnetId": "subnet-12345678",
"SubnetName": "xxx",
"CidrBlock": "10.0.4.0/24",
"Ipv6CidrBlock": "",
"IsDefault": false,
"IsRemoteVpcSnat": false,
"EnableBroadcast": false,
"Zone": "xx",
"RouteTableId": "rtb-xx",
"NetworkAclId": "",
"TotalIpAddressCount": "xx",
"AvailableIpAddressCount": "xx",
"CreatedTime": "xxxx-xx-xx xx:xx:xx",
"TagSet": []
}
]
}
],
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```


5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
InvalidParameterValue.SubnetOverlapAssistCidr	The subnet IP range overlaps with the secondary CIDR block.
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.
LimitExceeded	Quota limit is reached.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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AssignIpv6CidrBlock

Last updated：2024-11-25 20:07:29

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to assign IPv6 ranges.

- To use this API, you must already have a VPC instance. If you do not have a VPC instance yet, use the CreateVpc API to create one.
- Each VPC can apply for only one IPv6 range.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssignIpv6CidrBlock.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the `VPC` , such as `vpc-f49l6u0z` .

3. Output Parameters

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Parameter Name	Type	Description
Ipv6CidrBlock	String	The assigned `IPv6` IP range, such as `3402:4e00:20:1000::/56`
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Assigning an IPv6 IP range

Assigns an IPv6 IP range

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AssignIpv6CidrBlock
&VpcId=vpc-rkxd3pgh
&<common request parameters>
```

Output Example

```
{
"Response": {
"Ipv6CidrBlock": "3402:4e00:20:1000::/56",
"RequestId": "75221557-b667-440a-8cfe-ccd1bde2a234"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.CidrBlock	The number of assigned IP ranges of the VPC has reached the upper limit.
ResourceInsufficient.CidrBlock	The IP range resources are insufficient.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.IPV6CidrNotDeployed	

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CreateDefaultVpc

Last updated：2024-11-25 20:03:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a VPC with default settings.

To create a VPC with custom settings, such as VPC name, IP range, subnet IP range, and subnet availability zone, use `CreateVpc` instead.

This API may not create a default VPC. It depends on the network attributes (`DescribeAccountAttributes`) of your account.

- If both basic network and VPC are supported, the returned `VpcId` is 0.
- If only VPC is supported, the default VPC information is returned.

You can also use the `Force` parameter to forcibly return a default VPC.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDefaultVpc.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

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Zone	No	String	The ID of the availability zone in which the subnet resides. This parameter can be obtained through the `DescribeZones` API, such as `ap-guangzhou-1`. If it's not specified, a random availability zone will be used.
Force	No	Boolean	Whether to forcibly return a default VPC

3. Output Parameters

Parameter Name	Type	Description
Vpc	DefaultVpcSubnet	Default VPC and subnet IDs
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a VPC with default settings

This example shows you how to create a VPC with default settings.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateDefaultVpc
&<common request parameters>
```

Output Example

```
{
"Response": {
"Vpc": {
"VpcId": "vpc-pin7sxcd",
"SubnetId": "subnet-ixzf2m42"
},
"RequestId": "a2353d77-5c08-49c4-a28a-632a8af5e294"
}
}
```

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Example2 Creating a default VPC and ignoring the account network attribute

This example shows you how to create a default VPC without considering the network attribute of the account.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateDefaultVpc
&Force=true
&<common request parameters>
```

Output Example

```
{
"Response": {
"Vpc": {
"VpcId": "vpc-8mpwlbdv",
"SubnetId": "subnet-l9emqwnw"
},
"RequestId": "91348b0a-6846-49ff-822b-a21eef848c9f"
}
}
```

Example3 Creating a default VPC without passing in the `Force` parameter

In this example, the account supports both the classic network and VPC. When `Force` is not passed in, the returned `VpcId` is `0` , indicating that the default VPC is not created.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateDefaultVpc
&<common request parameters>
```

Output Example

```
{
"Response": {
"Vpc": {
"VpcId": "0",
"SubnetId": "0"
},
"RequestId": "c52dda11-9e53-440f-b034-6292f2144dd0"
}
}
```

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5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.SubnetOverlap	The CIDR block overlaps with another subnet within the same VPC.
LimitExceeded	Quota limit is reached.
LimitExceeded.DefaultVpcLimitExceeded	
ResourceInsufficient.CidrBlock	The IP range resources are insufficient.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.RecordExists	This record already exists.

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CreateLocalGateway

Last updated：2024-11-25 20:07:25

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a local gateway for a CDC instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateLocalGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
LocalGatewayName	Yes	String	Local gateway name
VpcId	Yes	String	VPC instance ID
CdcId	Yes	String	CDC instance ID

3. Output Parameters

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Parameter Name	Type	Description
LocalGateway	LocalGateway	Local gateway information
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a local gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateLocalGateway
&CdcId=cluster-1234dert
&VpcId=vpc-m0c2kcun
&LocalGatewayName=TEST
&<Common request parameters>
```

Output Example

```
{
"Response": {
"LocalGateway": {
"CdcId": "cluster-1234dert",
"VpcId": "vpc-m0c2kcun",
"UniqLocalGwId": "lgw-1234edfr",
"LocalGatewayName": "TEST",
"LocalGwIp": "10.0.0.0",
"CreateTime": "2021-03-24 15:31:56"
},
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.LocalGatewayAlreadyExists	The specified CDC instance already has a local gateway.

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DeleteLocalGateway

Last updated：2024-11-25 20:07:21

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete the local gateway of a CDC instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteLocalGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
LocalGatewayId	Yes	String	Local gateway instance ID
CdcId	Yes	String	CDC instance ID
VpcId	No	String	VPC instance ID

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a local gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteLocalGateway
&CdcId=cluster-1234dert
&LocalGatewayId=lgw-1234edfr
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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DescribeAccountAttributes

Last updated：2024-11-25 20:03:16

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeAccountAttributes) is used to query your account attributes.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAccountAttributes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

3. Output Parameters

Parameter Name	Type	Description
AccountAttributeSet	Array of AccountAttribute	User account attribute object

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the network attributes of an account

This example shows you how to query the network attributes of an account that only supports VPC.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeAccountAttributes
&<Common request parameters>
```

Output Example

```
{
"Response": {
"AccountAttributeSet": [
{
"AttributeName": "supported-platforms",
"AttributeValues": [
"VPC"
]
}
],
"RequestId": "68eb9302-af1c-4d6b-b000-1c7851bef46a"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error

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DescribeAssistantCidr

Last updated：2024-11-25 20:07:19

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the list of secondary CIDR blocks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAssistantCidr.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcIds.N	No	Array of String	The ID of a VPC instance set, such as `vpc-6v2ht8q5`.
Filters.N	No	Array of Filter	Filter condition. `VpcIds` and `Filters` cannot be specified at the same time. • vpc-id - String - (Filter condition) VPC instance ID, such as `vpc-f49l6u0z`.
Offset	No	Integer	Offset. Default value: 0.

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Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
AssistantCidrSet	Array of AssistantCidr	A set of eligible secondary CIDR blocks Note: This field may return null, indicating that no valid value was found.
TotalCount	Integer	Number of eligible instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of secondary CIDR blocks

This example shows you how to query the list of secondary CIDR blocks.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAssistantCidr
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"AssistantCidrSet": [
{
"VpcId": "vpc-12345678",
"CidrBlock": "172.16.0.0/16",
"AssistantType": 0,
```

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```
"SubnetSet": []
}
],
"TotalCount": 1,
"RequestId": "c65ffbe5-512a-44fd-9611-99d12f4e565d"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.Range	The parameter value is not in the specified range.

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DescribeLocalGateway

Last updated：2024-11-25 20:07:18

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query local gateways of a CDC instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeLocalGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Query criteria: vpc-id: filter by VPC ID; local-gateway-name: filter by local gateway name (fuzzy search is supported); local-gateway-id: filter by local gateway instance ID; cdc-id: filter by CDC instance ID.
Offset	No	Integer	The offset. Default value: 0. For more information on `Offset`, see the relevant sections in API Introduction.
Limit	No	Integer	The number of returned results. Default value: 20. Maximum value: 100. For more information on `Limit`, see the relevant sections in API Introduction.

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3. Output Parameters

Parameter Name	Type	Description
LocalGatewaySet	Array of LocalGateway	Information set of local gateways
TotalCount	Integer	Total number of local gateways
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying local gateways

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeLocalGateway
&<Common request parameters>
```

Output Example


```
{
"Response": {
"LocalGatewaySet": [
{
"CdcId": "cluster-1234dert",
"VpcId": "vpc-m0c2kcun",
"UniqLocalGwId": "lgw-1234edfr",
"LocalGatewayName": "TEST",
"LocalGwIp": "10.0.0.0",
"CreateTime": "2021-03-24 15:31:56"
}
],
"TotalCount": 1,
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```


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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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DescribeUsedIpAddress

Last updated：2024-11-25 20:07:14

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the IP usage of a subnet or VPC.
If the IP is occupied, the resource type and ID associated with the are is returned. If the IP is not used, it returns null.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeUsedIpAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC instance ID.
SubnetId	No	String	Subnet instance ID
IpAddresses.N	No	Array of String	List of IPs to be queried. The IPs must be within the VPC or subnet. Up to 100 IPs can be queried at a time.
Offset	No	Integer	The offset. Default value: 0

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Limit	No	Integer	The number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
IpAddressStates	Array of IpAddressStates	Information of resources bound with the queried IPs Note: This parameter may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Number of taken IPs Note: This parameter may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the IP usage of a subnet

This example shows you how to query usage of IPs of a subnet.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeUsedIpAddress
<Common request parameters>

{
"VpcId": "vpc-bx0vq623",
"SubnetId": "subnet-dl3wd0vq",
"IpAddresses": [
"10.0.0.1",
"10.0.0.2"
```

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```
]
}
```

Output Example


```
{
"Response": {
"IpAddressStates": [
{
"VpcId": "vpc-bx0vq623",
"SubnetId": "subnet-dl3wd0vq",
"IpAddress": "10.0.0.1",
"ResourceType": "ENI",
"ResourceId": "eni-bjekqff1"
},
{
"VpcId": "vpc-bx0vq623",
"SubnetId": "subnet-dl3wd0vq",
"IpAddress": "10.0.0.2",
"ResourceType": "ENI",
"ResourceId": "eni-bjekqff2"
}
],
"TotalCount": 2,
"RequestId": "2aaa54f5-2809-4b95-b3a5-13ce72d05759"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ParameterMismatch	Invalid parameter format

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DescribeVpcInstances

Last updated：2024-11-25 20:07:13

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeVpcInstances) is used to query a list of VCM instances on VPC.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	Yes	Array of Filter	Filter condition. `RouteTableIds` and `Filters` cannot be specified at the same time. • vpc-id - String - (Filter condition) VPC instance ID, such as `vpc-f49l6u0z`. • instance-type - String - (Filter condition) CVM instance ID. • instance-name - String - (Filter condition) CVM name.
Offset	No	Integer	Offset.
Limit	No	Integer	The number of requested objects.

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3. Output Parameters

Parameter Name	Type	Description
InstanceSet	Array of CvmInstance	List of CVM instances.
TotalCount	Integer	The number of eligible CVM instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of VPC-based CVM instances

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeVpcInstances
&Filters.0.Name=vpc-id
&Filters.0.Values.0=vpc-12345678
&Offset=0
&Limit=10
&<Common request parameters>
```

Output Example

```
{
"Response": {
"InstanceSet": [
{
"VpcId": "vpc-12345678",
"SubnetId": "subnet-12345678",
"InstanceId": "ins-12345678",
"InstanceName": "test",
"InstanceState": "RUNNING",
"InstanceType": "S2.SMALL2",
"CPU": 1,
"Memory": 1,
```

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```
"EniLimit": 2,
"EniIpLimit": 2,
"InstanceEniCount": 1,
"CreatedTime": "2020-01-01 10:00:00"
}
],
"TotalCount": 1,
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.

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InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeVpcIpv6Addresses

Last updated：2024-11-25 20:07:12

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeVpcIpv6Addresses) is used to query `VPC` `IPv6` information.
This API is used to query only the information of `IPv6` addresses that are already in use. When querying IPs that have not yet been used, this API will not report an error, but the IPs will not appear in the returned results.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcIpv6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the `VPC` , such as `vpc-f49l6u0z` .
Ipv6Addresses.N	No	Array of String	The `IP` address list. Each request supports a maximum of `10` batch querying.
Offset	No	Integer	Offset.
Limit	No	Integer	The returned quantity.

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3. Output Parameters

Parameter Name	Type	Description
Ipv6AddressSet	Array of VpcIpv6Address	The `IPv6` address list.
TotalCount	Integer	The total number of `IPv6` addresses.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the IPv6 address list of a VPC

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeVpcIpv6Addresses
&VpcId=vpc-rkxd3pgh
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Ipv6AddressSet": [
{
"Ipv6Address": "2402:4e00:1000:101:0:8d1a:6c7b:c0e8",
"Ipv6AddressType": "CVM",
"CidrBlock": "2402:4e00:1000:101::/64",
"CreatedTime": "2019-03-01 21:18:07"
},
{
"Ipv6Address": "2402:4e00:1000:101:0:8d20:3e2:683",
"Ipv6AddressType": "CVM",
"CidrBlock": "2402:4e00:1000:101::/64",
"CreatedTime": "2019-03-04 16:00:36"
},
{
```

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```
"Ipv6Address": "2402:4e00:1000:101:0:8d20:3f5:8b0f",
"Ipv6AddressType": "CVM",
"CidrBlock": "2402:4e00:1000:101::/64",
"CreatedTime": "2019-03-04 16:00:48"
},
{
"Ipv6Address": "2402:4e00:1000:101:0:8d24:30a5:d9f3",
"Ipv6AddressType": "CVM",
"CidrBlock": "2402:4e00:1000:101::/64",
"CreatedTime": "2019-03-06 17:49:05"
},
{
"Ipv6Address": "2402:4e00:1000:101:0:8d2e:133c:e12c",
"Ipv6AddressType": "CVM",
"CidrBlock": "2402:4e00:1000:101::/64",
"CreatedTime": "2019-03-11 15:45:07"
},
{
"Ipv6Address": "2402:4e00:1000:108:0:8d24:690c:59c6",
"Ipv6AddressType": "CVM",
"CidrBlock": "2402:4e00:1000:108::/64",
"CreatedTime": "2019-03-06 20:26:47"
}
],
"TotalCount": 6,
"RequestId": "ee464fec-e13e-401b-87f0-f93f047550c2"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeVpcPrivateIpAddresses

Last updated：2024-11-25 20:07:11

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeVpcPrivateIpAddresses) is used to query the private IP information of a VPC.

This API is used to query only the information of IP addresses that are already in use. When querying IPs that have not yet been used, this API will not report an error, but the IPs will not appear in the returned results.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcPrivateIpAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the `VPC`, such as `vpc-f49l6u0z`.
PrivateIpAddresses.N	Yes	Array of String	The private `IP` address list. Each request supports a maximum of `10` batch querying.

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3. Output Parameters

Parameter Name	Type	Description
VpcPrivateIpAddressSet	Array of VpcPrivateIpAddress	The list of private `IP` address information.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Batch querying private IPs of a VPC.

This example shows you how to batch query private IPs of a VPC.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeVpcPrivateIpAddresses
&VpcId=vpc-rkxd3pgh
&PrivateIpAddresses.0=10.4.2.2
&PrivateIpAddresses.1=10.4.2.3
&PrivateIpAddresses.2=10.4.2.17
&<Common request parameters>
```

Output Example

```
{
"Response": {
"VpcPrivateIpAddressSet": [
{
"PrivateIpAddress": "10.4.2.2",
"PrivateIpAddressType": "CTSDB",
"CidrBlock": "10.4.2.0/24",
"CreatedTime": "2018-12-27 15:40:10"
},
{
"PrivateIpAddress": "10.4.2.3",
"PrivateIpAddressType": "CFS",
"CidrBlock": "10.4.2.0/24",
"CreatedTime": "2018-09-02 16:48:59"
```

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```
},
{
"PrivateIpAddress": "10.4.2.17",
"PrivateIpAddressType": "CVM",
"CidrBlock": "10.4.2.0/24",
"CreatedTime": "2018-09-02 16:48:59"
}
],
"RequestId": "75221557-b667-440a-8cfe-ccd1bde2a234"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue	The parameter value is invalid.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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ModifyLocalGateway

Last updated：2024-11-25 20:07:07

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the local gateway of a CDC instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyLocalGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
LocalGatewayName	Yes	String	Local gateway name
CdcId	Yes	String	CDC instance ID
LocalGatewayId	Yes	String	Local gateway instance ID
VpcId	No	String	VPC instance ID

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a local gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyLocalGateway
&LocalGatewayName=test1
&CdcId=cluster-1234dert
&LocalGatewayId=lgw-1234edfr
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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UnassignIpv6CidrBlock

Last updated：2024-11-25 20:07:05

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (UnassignIpv6CidrBlock) is used to release IPv6 IP ranges.
If the IP range still has occupied IPs that are not yet repossessed, the IP range cannot be released.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnassignIpv6CidrBlock.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the `VPC` , such as `vpc-f49l6u0z` .
Ipv6CidrBlock	No	String	The `IPv6` IP range, such as `3402:4e00:20:1000::/56`

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Releasing an IPv6 IP range

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=UnassignIpv6CidrBlock
&VpcId=vpc-rkxd3pgh
&Ipv6CidrBlock=3402:4e00:20:1000::/56
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "75221557-b667-440a-8cfe-ccd1bde2a234"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.

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AttachClassicLinkVpc

Last updated：2024-11-25 20:03:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a Classiclink between a VPC instance and a classic network device.

- The VPC instance and the classic network device must be in the same region.
- For differences between VPC and the classic network, see VPC and Classic Network.

> **Note：**
>
> This API is async. You can call the `DescribeVpcTaskResult` API to query the task result. When the task is completed, you can continue other tasks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AttachClassicLinkVpc.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

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VpcId	Yes	String	VPC instance ID
InstanceIds.N	Yes	Array of String	CVM Instance ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a Classiclink

This example shows you how to create a Classiclink.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AttachClassicLinkVpc
&VpcId=vpc-gjui0b5t
&InstanceIds.0=ins-0x5msjda
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.CIDRUnSupportedClassicLink	The specified VPC CIDR range does not support Classiclink.
UnsupportedOperation.ClassicInstanceIdAlreadyExists	The instance has already been bound to the VPC.

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CheckAssistantCidr

Last updated：2024-11-25 20:07:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to check whether the secondary CIDR block conflicts with existing routes, peering connections (peer VPC CIDR blocks), and other resources.

- Check whether the secondary CIDR block overlaps with the primary/secondary CIDR block of the current VPC.
- Check whether the secondary CIDR block overlaps with the routing destination of the current VPC.
- If the current VPC is used in a peering connection, check whether the secondary CIDR block overlaps with the primary/secondary CIDR block of the peer VPC.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CheckAssistantCidr.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	`VPC` instance `ID` , e.g. `vpc-6v2ht8q5` .
NewCidrBlocks.N	No	Array of	Load CIDR blocks to add. CIDR block set; format: e.g.

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		String	["10.0.0.0/16", "172.16.0.0/16"]
OldCidrBlocks.N	No	Array of String	Load CIDR blocks to delete. CIDR block set; Format: e.g. ["10.0.0.0/16", "172.16.0.0/16"]

3. Output Parameters

Parameter Name	Type	Description
ConflictSourceSet	Array of ConflictSource	Array of conflict resources.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Checking secondary CIDR block conflicts

In this example, the secondary CIDR block conflicts with the existing VPC information.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CheckAssistantCidr
<Common request parameters>

{
"VpcId": "vpc-12345678",
"NewCidrBlocks": [
"172.16.0.0/24"
]
}
```

Output Example

```
{
"Response": {
```

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```
"ConflictSourceSet": [
{
"ConflictSourceId": "vpcd-122d5678",
"SourceItem": "172.16.0.0/16",
"ConflictItemSet": [
{
"ConfilctId": "vpc-12345678",
"DestinationItem": "172.16.0.0/24"
}
]
}
],
"RequestId": "e906fed4-29ew-44ba-a240-f5bde9fd84c7"
}
}
```

Example2 Checking secondary CIDR block conflicts-2

In this example, the secondary CIDR block does not conflict with the existing VPC information.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CheckAssistantCidr
<Common request parameters>

{
"VpcId": "vpc-12345678",
"NewCidrBlocks": [
"172.16.0.0/24"
]
}
```

Output Example

```
{
"Response": {
"ConflictSourceSet": [],
"RequestId": "e906fed4-292c-44ba-a240-f5bde9fd84c7"
}
}
```

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5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.

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DeleteVpc

Last updated：2024-11-25 20:03:17

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteVpc) is used to delete VPCs.

- Before deleting a VPC, ensure that the VPC contains no resources, including CVMs, cloud databases, NoSQL databases, VPN gateways, direct connect gateways, load balancers, peering connections, and basic network devices that are linked to the VPC.
- The deletion of VPCs is irreversible. Proceed with caution.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpc.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The ID of the VPC instance. You can obtain the parameter value from the VpcId field in the returned result of DescribeVpcs API.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a VPC

This example shows you how to delete a VPC.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteVpc
&VpcId=vpc-g69ed0kj
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.ActionLimited	Too often API invocations
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.RecordNotExists	The record does not exist.
UnsupportedOperation.RouteTableHasSubnetRule	The routing table is bound to a subnet.

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DescribeVpcResourceDashboard

Last updated：2024-11-25 20:07:10

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

View VPC resources.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcResourceDashboard.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcIds.N	Yes	Array of String	Vpc instance ID, e.g. vpc-f1xjkw1b.

3. Output Parameters

Parameter Name	Type	Description

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ResourceDashboardSet	Array of ResourceDashboard	List of resource objects.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying resources associated with a VPC

This example shows you how to query resources associated with a VPC.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeVpcResourceDashboard
&VpcIds.0=vpc-0akbol5v
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ResourceDashboardSet": [
{
"VpcId": "vpc-0akbol5v",
"SubnetId": "",
"Classiclink": 0,
"Nat": 2,
"Vpngw": 1,
"Dcg": 1,
"Pcx": 1,
"FlowLog": 0,
"NetworkDetect": 0,
"NetworkACL": 0,
"Ip": 157,
"CVM": 49,
"LB": 1,
"CDB": 88,
"Cmem": 0,
"CTSDB": 0,
"MariaDB": 0,
"SQLServer": 0,
```

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```
"Postgres": 0,
"NAS": 0,
"Greenplumn": 0,
"Ckafka": 2,
"Grocery": 0,
"HSM": 17,
"Tcaplus": 0,
"Cnas": 0,
"TiDB": 0,
"Emr": 0,
"SEAL": 0,
"CFS": 0,
"Oracle": 0,
"ElasticSearch": 0,
"TBaaS": 0,
"Itop": 0,
"DBAudit": 0,
"CynosDBPostgres": 0,
"Redis": 0,
"MongoDB": 0,
"DCDB": 0,
"CynosDBMySQL": 0,
"Subnet": 1,
"RouteTable": 1
}
],
"RequestId": "0fee1673-de33-4f0c-9ce4-037cbcf2d7b2"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DetachClassicLinkVpc

Last updated：2024-11-25 20:03:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a Classiclink.

Note：

This API is async. You can call the `DescribeVpcTaskResult` API to query the task result. When the task is completed, you can continue other tasks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DetachClassicLinkVpc.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The ID of the VPC instance. You can obtain the parameter value from the VpcId field in the returned result of DescribeVpcs API.
InstanceIds.N	Yes	Array	Queries the ID of the CVM instance, such as `ins-r8hr2upy` .

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		of String	

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Classiclink

This example shows you how to delete a Classiclink.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DetachClassicLinkVpc
&VpcId=vpc-gjui0b5t
&InstanceIds.0=ins-0x5msjda
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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CreateVpc

Last updated：2024-11-25 20:03:21

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a VPC instance.

- The subnet mask of the smallest IP address range that can be created is 28 (16 IP addresses), that of the largest IP address ranges 10.0.0.0/12 and 172.16.0.0/12 is 12 (1,048,576 IP addresses), and that of the largest IP address range 192.168.0.0/16 is 16 (65,536 IP addresses). For more information on how to plan VPC IP ranges, see Network Planning.
- The number of VPC instances that can be created in a region is limited. For more information, see VPC Use Limits. To request more resources, submit a ticket.
- You can bind tags when creating a VPC instance. The tag list in the response indicates the tags that have been successfully added.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpc.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

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VpcName	Yes	String	The VPC name. The maximum length is 60 bytes.
CidrBlock	Yes	String	VPC CIDR block, which must fall within the following three private network IP ranges: 10.0.0.0/12, 172.16.0.0/12, and 192.168.0.0/16.
EnableMulticast	No	String	Whether multicast is enabled. `true` : Enabled. `false` : Not enabled.
DnsServers.N	No	Array of String	DNS address. A maximum of 4 addresses is supported.
DomainName	No	String	Domain name of DHCP
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}]

3. Output Parameters

Parameter Name	Type	Description
Vpc	Vpc	The VPC object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a VPC

This example shows you how to create a VPC.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateVpc
<Common request parameters>
```

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```
{
"VpcName": "TestVPC",
"CidrBlock": "10.8.0.0/16",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "0a74f7fe-0cfe-4bc7-b1d2-6575168d7a44",
"Vpc": {
"VpcId": "vpc-2ln96dly",
"DomainName": "TEST",
"Ipv6CidrBlock": "2001::85b:3c51:f5ff:ffdb",
"EnableDhcp": true,
"DnsServerSet": [
"183.60.82.98",
"183.60.83.1"
],
"EnableMulticast": false,
"VpcName": "TEST",
"AssistantCidrSet": [
{
"SubnetSet": [
{
"NetworkAclId": "acl-n8w3ppae",
"RouteTableId": "rtb-57ruphgv",
"VpcId": "vpc-lrrlomg7",
"EnableBroadcast": true,
"Zone": "ap-guangzhou-1",
"IsCdcSubnet": 0,
"Ipv6CidrBlock": "2001::85b:3c51:f5ff:ffda",
"CdcId": "cluster-gbo27yc4",
"AvailableIpAddressCount": 1,
"IsRemoteVpcSnat": true,
"SubnetName": "TEST",
"TotalIpAddressCount": 1,
"CreatedTime": "2020-09-18 19:46:07",
"SubnetId": "subnet-p9oa3yo7",
"CidrBlock": "10.0.0.0/16",
```

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```
"TagSet": [
{
"Value": "TEST",
"Key": "TEST"
}
],
"IsDefault": true
}
],
"VpcId": "vpc-lrrlomg7",
"CidrBlock": "10.0.0.0/16",
"AssistantType": 0
}
],
"TagSet": [
{
"Value": "TEST",
"Key": "TESt"
}
],
"DhcpOptionsId": "dopt-058pu85z",
"CreatedTime": "0000-00-00 00:00:00",
"CidrBlock": "10.0.0.0/16",
"IsDefault": false
}
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetOverlap	The CIDR block overlaps with another subnet within the same VPC.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.

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LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.EnableMulticast	Multi-cast is not available in the current region.
UnsupportedOperation.RecordExists	This record already exists.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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DescribeVpcs

Last updated：2025-03-11 22:34:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeVpcs) is used to query the VPC list.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcIds.N	No	Array of String	The VPC instance ID, such as `vpc-f49l6u0z`. Each request supports a maximum of 100 instances. `VpcIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	Filter condition. `VpcIds` and `Filters` cannot be specified at the same time. Valid filters include: • `vpc-name`: VPC instance name, which supports fuzzy search. • `is-default`: Indicates whether it is the default VPC • `vpc-id`: VPC instance ID, such as `vpc-f49l6u0z`

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			• `cidr-block` : VPC CIDR block • `tag-key` : (Optional) tag key • `tag:tag-key` : (Optional) tag key-value pair. Replace the `tag-key` with a specified tag value. For its usage, refer to Example 2. **Note:** If one filter has multiple values, the logical relationship between these values is `OR` . The logical relationship between filters is `AND` .
Offset	No	String	Offset. Default value: 0.
Limit	No	String	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
VpcSet	Array of Vpc	The VPC object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of VPCs

This example shows you how to query the list of VPCs.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpcs
<Common request parameters>

{
"Limit": "2",
```

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```
"Filters": [
{
"Values": [
"192.168.0.0",
"10.0.0.0"
],
"Name": "cidr-block"
},
{
"Values": [
"false"
],
"Name": "is-default"
}
],
"Offset": "0"
}
```

Output Example

```
{
"Response": {
"RequestId": "6a44afb7-0644-4ff9-9761-3502f99d3a15",
"TotalCount": 1,
"VpcSet": [
{
"AssistantCidrSet": [],
"CidrBlock": "10.0.0.0/16",
"CreatedTime": "2018-04-25 10:26:26",
"DhcpOptionsId": "dopt-8g7k5qfq",
"DnsServerSet": [
"10.0.0.1",
"183.60.82.98"
],
"DomainName": "aa.bb.cc",
"EnableDhcp": true,
"EnableMulticast": false,
"Ipv6CidrBlock": "3402:4e00:20:1200::/56",
"IsDefault": false,
"TagSet": [],
"VpcId": "vpc-p5sf61yj",
"VpcName": "Test dhcp"
}
]
}
}
```

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Example2 Querying the list of VPCs bound to a tag

This example shows you how to query VPCs bound to the tag `city:shanghai` .

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpcs
<Common request parameters>

{
"Limit": "2",
"Filters": [
{
"Values": [
"shanghai"
],
"Name": "tag:city"
}
],
"Offset": "0"
}
```

Output Example

```
{
"Response": {
"VpcSet": [
{
"VpcId": "vpc-p5sf61yj",
"VpcName": "Test dhcp",
"CidrBlock": "10.0.0.0/16",
"Ipv6CidrBlock": "3402:4e00:20:1200::/56",
"IsDefault": false,
"EnableDhcp": true,
"EnableMulticast": false,
"CreatedTime": "2018-04-25 10:26:26",
"DhcpOptionsId": "dopt-8g7k5qfq",
"DnsServerSet": [
"10.0.0.1",
"183.60.82.98"
],
"TagSet": [
```

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```
{
"Key": "city",
"Value": "shanghai"
}
],
"AssistantCidrSet": [
{
"CidrBlock": "192.168.1.0/24",
"AssistantType": 0,
"SubnetSet": []
}
],
"DomainName": "aa.bb.cc"
}
],
"TotalCount": 1,
"RequestId": "6a44afb7-0644-4ff9-9761-3502f99d3a15"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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AdjustPublicAddress

Last updated：2024-11-25 20:07:30

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to change the public IP of a CVM or the EIP of the associated bandwidth package.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AdjustPublicAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
InstanceId	No	String	The unique ID of the CVM instance, such as `ins-11112222`.
AddressId	No	String	The unique ID of the EIP, such as `eip-11112222`.

3. Output Parameters

Parameter Name	Type	Description

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TaskId	Integer	The async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Changing the public IP

This example show you how to change the public IP of a CVM instance.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AdjustPublicAddress
<Common request parameters>

{
"InstanceId": "ins-1vogaxgk"
}
```

Output Example

```
{
"Response": {
"TaskId": 5513621,
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

Example2 Changing the EIP bound with a monthly bandwidth package

This example show you how to change the EIP bound with a monthly bandwidth package.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AdjustPublicAddress
```

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```
<Common request parameters>

{
"AddressId": "eip-oy67r5oi"
}
```

Output Example

```
{
"Response": {
"TaskId": 5312621,
"RequestId": "6AF60BEC-0142-43AF-CB20-276271FB54A7"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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FailedOperation.TaskFailed	Task execution failed.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidParameterValue.AddressAttacked	Attacked IP address.
InvalidParameterValue.AddressIpNotAvailable	The IP address is not available now.
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.InstanceHasNoWanIP	The instance does not have a public IP.
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.InstanceNoWanIP	Request failed: this instance does not have a WanIP (public IP).
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
InvalidParameterValue.UnavailableZone	This availability zone is unavailable.
LimitExceeded.ChangeAddressQuota	Run out of the chances to change the IP.
LimitExceeded.DailyChangeAddressQuota	Run out of the daily chances to change the IP.
OperationDenied.AddressInArrears	The specified public IP is isolated.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
ResourceInsufficient	Insufficient resources.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.
UnsupportedOperation.IspNotSupported	This ISP does not support this operation.

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ModifyVpcAttribute

Last updated：2024-11-25 20:03:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyVpcAttribute) is used to modify VPC attributes.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpcAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	Security group can be named freely, but cannot exceed 60 characters.
VpcName	No	String	VPC can be named freely, but the maximum length is 60 characters.
EnableMulticast	No	String	Whether multicast is enabled. `true` : Enabled. `false` : Off.
DnsServers.N	No	Array of String	DNS address. A maximum of 4 addresses is supported. The first one is primary server by default, and the rest are secondary servers.

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DomainName	No	String	Domain name
EnableCdcPublish	No	Boolean	Whether to publish the CDC subnet to CCN. `true` : Publish; `false` : Do not publish

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying VPC attributes

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyVpcAttribute
&VpcName=MyTest
&VpcId=vpc-m7sr81gh
&EnableMulticast=true
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "38b1a253-02b7-43d7-8524-7e07432ae31a"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation.EnableMulticast	Multi-cast is not available in the current region.
UnsupportedOperation.NotSupportedUpdateCcnRoutePublish	The current CCN instance does not support publishing update routes.

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ModifyReserveIpAddress

Last updated：2024-11-25 20:07:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify a reserved private IP address.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyReserveIpAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	Unique ID of the VPC.
ReserveIpId	Yes	String	Unique ID of the reserved private IP address.
Name	No	String	Name of the reserved private IP address.
Description	No	String	Description of the reserved private IP address.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Reserved Private IP Address

This example shows you how to modify a reserved private IP address.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyReserveIpAddress
<Common request parameters>

{
"VpcId": "vpc-mcqaoy0f",
"ReserveIpId": "rsvip-jvnifc7o",
"Name": "name_ivan",
"Description": "desc_ivan"
}
```

Output Example

```
{
"Response": {
"RequestId": "23575de3-d827-43cb-9ddf-0c1e7eaece50"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ResourceNotFound	This resource is not found.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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DescribeReserveIpAddresses

Last updated：2024-11-25 20:07:16

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query reserved private IP addresses.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeReserveIpAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ReserveIpIds.N	No	Array of String	List of unique IDs of reserved private IP addresses.
Filters.N	No	Array of Filter	Filter criteria. ReserveIpIds and Filters cannot be specified at the same time. reserve-ip-id - String - (Filter criteria) Unique ID of a reserved private IP address, for example, rsvip-pvqgv9vi. vpc-id - String - (Filter criteria) VPC instance ID, for example, vpc-

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			f49l6u0z. subnet-id - String - (Filter criteria) Subnet instance ID, for example, subnet-f49l6u0z. address-ip - String - (Filter criteria) Reserved private IP address, for example, 192.168.0.10. ip-type - String - (Filter criteria) Business type (IpType), for example, 0. name - String - (Filter criteria) Name. state - String - (Filter criteria) Status. Valid values: Bind and UnBind. resource-id - String - (Filter criteria) Bound instance resource, for example, eni-059qmnif. tag-key - String - (Filter criteria) Tag key. tag:tag-key - String - (Filter criteria) Tag key-value pair. Replace tag-key with the specific tag key.
Offset	No	Integer	Offset.
Limit	No	Integer	Number of request objects.

3. Output Parameters

Parameter Name	Type	Description
ReserveIpAddressSet	Array of ReserveIpAddressInfo	Information returned from the reserved private IP address.
TotalCount	Integer	Number of reserved private IP addresses returned.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Reserved Private IP Addresses

This example shows you how to query reserved private IP addresses.

Input Example

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```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeReserveIpAddresses
<Common request parameters>

{
"ReserveIpIds": [
"rsvip-eaq2f4pc",
"rsvip-2g134x24"
]
}
```

Output Example


```
{
"Response": {
"RequestId": "2d32beeb-0750-4ef9-a2f9-e4e7bbb0ec7f",
"ReserveIpAddressSet": [
{
"CreatedTime": "2024-11-06 12:01:57",
"Description": "desc_ivan",
"IpType": 0,
"Name": "name_ivan",
"ReserveIpAddress": "10.0.5.99",
"ReserveIpId": "rsvip-eaq2f4pc",
"ResourceId": "",
"State": "UnBind",
"TagSet": [],
"VpcId": "vpc-mcqaoy0f"
},
{
"CreatedTime": "2024-11-06 12:01:57",
"Description": "desc_ivan",
"IpType": 0,
"Name": "name_ivan",
"ReserveIpAddress": "10.0.5.50",
"ReserveIpId": "rsvip-2g134x24",
"ResourceId": "",
"State": "UnBind",
"TagSet": [],
"VpcId": "vpc-mcqaoy0f"
}
],
"TotalCount": 2
```


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```
}
}
```

Example2 Filtering and Querying Reserved Private IP Addresses by Tag

This example shows you how to filter and query reserved private IP addresses by tag.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeReserveIpAddresses
<Common request parameters>

{
"Filters": [
{
"Name": "tag-key",
"Values": [
"ivan_reserve_ip"
]
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "e168d943-d647-4c0a-ada4-50a90015ded8",
"ReserveIpAddressSet": [
{
"CreatedTime": "2024-11-06 17:30:06",
"Description": "desc_ivan",
"IpType": 0,
"Name": "name_ivan",
"ReserveIpAddress": "10.0.5.89",
"ReserveIpId": "rsvip-du6lo6fu",
"ResourceId": "",
"State": "UnBind",
"TagSet": [
{
"Key": "ivan_reserve_ip",
"Value": "hello"
}
```

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```
],
"VpcId": "vpc-mcqaoy0f"
}
],
"TotalCount": 1
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ResourceNotFound	This resource is not found.
ResourceNotFound	The resource does not exist.

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DeleteReserveIpAddresses

Last updated：2024-11-25 20:07:20

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a reserved private IP address.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteReserveIpAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	Unique ID of the VPC.
ReserveIpIds.N	Yes	Array of String	List of reserved private IP addresses.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Reserved Private IP Address

This example shows you how to delete a reserved private IP address.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteReserveIpAddresses
<Common request parameters>

{
"VpcId": "vpc-mcqaoy0f",
"ReserveIpIds": [
"rsvip-calhlymy"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "116b4d96-f745-4173-bee5-c464a4363757"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ParameterMismatch	Invalid parameter format
InvalidParameterValue.ResourceNotFound	This resource is not found.
MissingParameter	Missing parameter.
UnknownParameter	Unknown parameter error.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.

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CreateReserveIpAddresses

Last updated：2024-11-25 20:07:24

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a reserved private IP address.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateReserveIpAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	Unique ID of the VPC.
IpAddresses.N	No	Array of String	Reserved private IP address to be applied for.
IpAddressCount	No	Integer	Number of reserved private IP addresses that can be automatically assigned with no IP address specified.
SubnetId	No	String	Unique ID of the subnet.

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Name	No	String	Name of the reserved private IP address.
Description	No	String	Description of the reserved private IP address.
Tags.N	No	Array of Tag	List of tags to be bound, for example, [{"Key": "city", "Value": "shanghai"}].
ClientToken	No	String	A string used to ensure the idempotence of the request. This string is generated by the customer and should be unique across different requests, with a maximum length of 64 ASCII characters. If this parameter is not specified, the idempotence of the request cannot be guaranteed.

3. Output Parameters

Parameter Name	Type	Description
ReserveIpAddressSet	Array of ReserveIpAddressInfo	Information returned from the reserved private IP address.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Applying for Automatic Assignment of a Specified Number of Reserved Private IP Addresses

This example shows you how to apply for automatic assignment of a specified number of reserved private IP addresses.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateReserveIpAddresses
<Common request parameters>

{
```

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```
"VpcId": "vpc-mcqaoy0f",
"IpAddressCount": 2,
"Name": "name_ivan",
"Description": "desc_ivan"
}
```

Output Example


```
{
"Response": {
"RequestId": "14c27c62-fc90-4922-a20c-fca60c6b5330",
"ReserveIpAddressSet": [
{
"CreatedTime": "2024-11-21 16:57:22",
"Description": "desc_ivan",
"IpType": 0,
"Name": "name_ivan",
"ReserveIpAddress": "10.0.5.99",
"ReserveIpId": "rsvip-eaq2f4pc",
"ResourceId": "",
"State": "UnBind",
"VpcId": "vpc-mcqaoy0f"
},
{
"CreatedTime": "2024-11-21 16:57:22",
"Description": "desc_ivan",
"IpType": 0,
"Name": "name_ivan",
"ReserveIpAddress": "10.0.5.50",
"ReserveIpId": "rsvip-2g134x24",
"ResourceId": "",
"State": "UnBind",
"VpcId": "vpc-mcqaoy0f"
}
]
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
MissingParameter	Missing parameter.
UnknownParameter	Unknown parameter error.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.

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Route Table APIs
DisableRoutes

Last updated：2025-04-01 16:30:42

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to disable enabled subnet routes.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisableRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
RouteTableId	Yes	String	Unique route table ID.
RouteIds.N	No	Array of	Routing policy ID. This parameter cannot be used simultaneously with RouteItemIds, but at least one of them should be entered. The

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		Integer	value of this parameter can be obtained by querying the route list (DescribeRouteTables).
RouteItemIds.N	No	Array of String	Unique routing policy ID. This parameter cannot be used simultaneously with RouteIds, but at least one of them should be entered. The value of this parameter can be obtained by querying the route list (DescribeRouteTables).

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disabling Subnet Routes

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisableRoutes
&RouteTableId=rtb-9wzwlnhc
&RouteIds.0=18292
&RouteIds.1=18293
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

Example2 Disabling Subnet Routes by Unique ID

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=DisableRoutes
&RouteTableId=rtb-12345678
&RouteItemIds.0=rti-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.DisabledNotifyCcn	The specified routing policy cannot be re-published to CCN. Please first withdraw it from CCN.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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EnableRoutes

Last updated：2025-04-01 16:30:40

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to enable disabled subnet routes.

The API is used to verify whether the enabled route conflicts with existing routes. If they conflict, the new route cannot be enabled and will result in a failure. When a route conflict occurs, you need to first disable the conflicting route before you can enable the new one.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: EnableRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
RouteTableId	Yes	String	Unique route table ID.

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RouteIds.N	No	Array of Integer	Routing policy ID. This parameter cannot be used simultaneously with RouteItemIds, but at least one of them should be entered. The maximum number of items processed in a single request is 100. The value of this parameter can be obtained by querying the route list (DescribeRouteTables).
RouteItemIds.N	No	Array of String	Unique routing policy ID. This parameter cannot be used simultaneously with RouteIds, but at least one of them should be entered. The maximum number of items processed in a single request is 100. The value of this parameter can be obtained by querying the route list (DescribeRouteTables).

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling Subnet Routes

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=EnableRoutes
&RouteTableId=rtb-9wzwlnhc
&RouteIds.0=18292
&RouteIds.1=18293
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

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Example2 Enabling Subnet Routes by Unique ID

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=EnableRoutes
&RouteTableId=rtb-12345678
&RouteItemIds.0=rti-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

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Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.Ecmp	ECMP is not supported.
UnsupportedOperation.EcmpWithCcnRoute	Form an ECMP with the CCN route.
UnsupportedOperation.EcmpWithUserRoute	Form an ECMP with the user’s custom routes.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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NotifyRoutes

Last updated：2024-11-25 20:07:57

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to publish a route to CCN. This can also be done by clicking "Publish to CCN" in the operation column on the page of route table list.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: NotifyRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	The unique ID of the route table
RouteItemIds.N	Yes	Array of String	The unique ID of the route

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Publishing a route to CCN

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=NotifyRoutes
&RouteTableId=rtb-9wzwlnhc
&RouteItemIds.0=rti-i8bap903
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InternalServerError	Internal error.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidRouteId.NotFound	Invalid RouteId.
InvalidRouteTableId.Malformed	Invalid route table. The route table ID is invalid.
InvalidRouteTableId.NotFound	Invalid route table. The VPC resource does not exist. Please check and enter the correct resource information.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AssociatedVpcOfCcnHadNatRoute	The NAT gateway route already exists in another VPC added to the CCN instance.
UnsupportedOperation.CcnNotAttached	The instance is not associated with a CCN.
UnsupportedOperation.InvalidStatusNotifyCcn	The current status of the route does not support publishing to CCN. Please retry later.
UnsupportedOperation.NotifyCcn	The specified routing policy cannot be published to or withdrawn from CCN.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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WithdrawNotifyRoutes

Last updated：2024-11-25 20:07:55

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to withdraw a route from CCN.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: WithdrawNotifyRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	The unique ID of the route table
RouteItemIds.N	Yes	Array of String	The unique ID of the routing policy

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Withdrawing a route from CCN

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=WithdrawNotifyRoutes
&RouteTableId=rtb-9wzwlnhc
&RouteItemIds.0=rti-i8bap903
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InternalServerError	Internal error.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidRouteId.NotFound	Invalid RouteId.
InvalidRouteTableId.Malformed	Invalid route table. The route table ID is invalid.
InvalidRouteTableId.NotFound	Invalid route table. The VPC resource does not exist. Please check and enter the correct resource information.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.NotifyCcn	The specified routing policy cannot be published to or withdrawn from CCN.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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CreateRouteTable

Last updated：2024-11-25 20:04:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a route table.

- After the VPC instance has been created, the system creates a default route table with which all newly created subnets will be associated. By default, you can use this route table to manage your routing policies. If you have multiple routing policies, you can call the API for creating route tables to create more route tables to manage these routing policies.
- You can bind a tag when creating a route table. The tag list in the response indicates the tags that have been successfully added.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateRouteTable.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The ID of the VPC instance to be operated on. You can obtain the parameter value from the VpcId field in the returned result of DescribeVpcs API.

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RouteTableName	Yes	String	The route table name. The maximum length is 60 characters.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].

3. Output Parameters

Parameter Name	Type	Description
RouteTable	RouteTable	Route table object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a route table

This example shows you how to create a route table.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateRouteTable
&RouteTableName=TestRouteTable
&VpcId=vpc-2at5y1pn
&Tags.0.Key=city
&Tags.0.Value=shanghai
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"RouteTable": {
"RouteTableId": "rtb-azd4dt1c",
"VpcId": "vpc-2at5y1pn",
"RouteTableName": "TestRouteTable",
```

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```
"AssociationSet": [],
"RouteSet": [],
"Main": false,
"LocalCidrForCcn": [
{
"Cidr": "10.1.0.0/24",
"PublishedToVbc": true
}
],
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
]
}
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.

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LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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DeleteRouteTable

Last updated：2024-11-25 20:04:05

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a route table.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteRouteTable.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	The route table instance ID, such as `rtb-azd4dt1c`.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a route table

This example shows you how to delete a route table.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteRouteTable
<Common request parameters>

{
"RouteTableId": "rtb-azd4dt1c"
}
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.DelDefaultRoute	Unable to delete: This is the default route table.
UnsupportedOperation.DelRouteWithSubnet	Unable to delete: This is a route table associated with a subnet.
UnsupportedOperation.NotSupportDeleteDefaultRouteTable	The default route table cannot be deleted.
UnsupportedOperation.RouteTableHasSubnetRule	The routing table is bound to a subnet.

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DescribeRouteTables

Last updated：2024-11-25 20:04:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query route tables.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeRouteTables.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filter condition. `RouteTableIds` and `Filters` cannot be specified at the same time. • route-table-id - String - (Filter condition) Route table instance ID. • route-table-name - String - (Filter condition) Route table name. • vpc-id - String - (Filter condition) VPC instance ID, such as `vpc-f49l6u0z` .

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			• association.main - String - (Filter condition) Whether it is the main route table. • tag-key - String - Required: no - (Filter condition) Filter by tag key. • tag:tag-key - String - Required: no - (Filter condition) Filter by tag key-value pair. Use a specific tag key to replace `tag-key` . See Example 2 for the detailed usage.
RouteTableIds.N	No	Array of String	The route table instance ID, such as `rtb-azd4dt1c` .
Offset	No	String	Offset.
Limit	No	String	The number of request objects.
NeedRouterInfo	No	Boolean	

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of eligible instances.
RouteTableSet	Array of RouteTable	Route table object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Viewing the list of objects in route table

This example shows you how to query the list of objects in route table

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRouteTables
```

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```
<Common request parameters>

{
"Limit": "1",
"Filters": [
{
"Values": [
"vpc-2at5y1pn"
],
"Name": "vpc-id"
},
{
"Values": [
"rtb-l2h8d7c2"
],
"Name": "route-table-id"
},
{
"Values": [
"true"
],
"Name": "association.main"
},
{
"Values": [
"TestRouteTable"
],
"Name": "route-table-name"
}
],
"Offset": "0"
}
```

Output Example

```
{
"Response": {
"RouteTableSet": [
{
"VpcId": "vpc-2at5y1pn",
"RouteTableId": "rtb-l2h8d7c2",
"RouteTableName": "TestRouteTable",
"AssociationSet": [],
"RouteSet": [
{
"RouteId": 0,
```

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```
"RouteItemId": "rti6-12345678",
"DestinationCidrBlock": "",
"DestinationIpv6CidrBlock": "2402:4e00:1000:810b::/64",
"GatewayType": "CCN",
"GatewayId": "ccn-12345678",
"RouteDescription": ""
},
{
"RouteId": 14915,
"RouteItemId": "rti-12345678",
"DestinationCidrBlock": "169.254.64.0/23",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.0.25",
"RouteDescription": ""
},
{
"RouteId": 14916,
"RouteItemId": "rti-22345678",
"DestinationCidrBlock": "10.254.64.0/24",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.0.26",
"RouteDescription": ""
},
{
"RouteId": 14917,
"RouteItemId": "rti-32345678",
"DestinationCidrBlock": "10.254.100.0/24",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.0.26",
"RouteDescription": "whoIam"
},
{
"RouteId": 16642,
"RouteItemId": "rti-42345678",
"DestinationCidrBlock": "10.200.0.0/18",
"GatewayType": "PEERCONNECTION",
"GatewayId": "pcx-4n2m594s",
"RouteDescription": "bb"
}
],
"Main": false,
"TagSet": [
{
"Value": "test",
"Key": "test"
}
],
```


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```
"LocalCidrForCcn": [
{
"Cidr": "10.1.0.0/16",
"PublishedToVbc": true
}
],
"CreatedTime": "2017-06-30 19:52:03"
}
],
"TotalCount": 16,
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```


Example2 Querying the list of route tables bound with the specified tag

This example shows you how to query the list of route tables bound with the specified tag.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRouteTables
<Common request parameters>

{
"Limit": "1",
"Filters": [
{
"Values": [
"shanghai"
],
"Name": "tag:city"
}
],
"Offset": "0"
}
```

Output Example


```
{
"Response": {
"RouteTableSet": [
{
"VpcId": "vpc-2at5y1pn",
```


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```
"RouteTableId": "rtb-l2h8d7c2",
"RouteTableName": "TestRouteTable",
"AssociationSet": [],
"RouteSet": [
{
"RouteId": 14915,
"RouteItemId": "rti-12345678",
"DestinationCidrBlock": "169.254.64.0/23",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.0.25",
"RouteDescription": ""
},
{
"RouteId": 14916,
"RouteItemId": "rti-22345678",
"DestinationCidrBlock": "10.254.64.0/24",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.0.26",
"RouteDescription": ""
},
{
"RouteId": 14917,
"RouteItemId": "rti-32345678",
"DestinationCidrBlock": "10.254.100.0/24",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.0.26",
"RouteDescription": "whoIam"
},
{
"RouteId": 16642,
"RouteItemId": "rti-42345678",
"DestinationCidrBlock": "10.200.0.0/18",
"GatewayType": "PEERCONNECTION",
"GatewayId": "pcx-4n2m594s",
"RouteDescription": "bb"
}
],
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
],
"LocalCidrForCcn": [
{
"Cidr": "10.1.0.0/16",
"PublishedToVbc": true
```


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```
}
],
"Main": false,
"CreatedTime": "2017-06-30 19:52:03"
}
],
"TotalCount": 16,
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.

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InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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ReplaceRouteTableAssociation

Last updated：2024-11-25 20:04:00

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ReplaceRouteTableAssociation) is used to modify the route table associated with a subnet.

- A subnet can only be associated with one route table.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReplaceRouteTableAssociation.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SubnetId	Yes	String	Subnet instance ID, such as `subnet-3x5lf5q0` . This can be queried using the DescribeSubnets API.
RouteTableId	Yes	String	The route table instance ID, such as `rtb-azd4dt1c` .

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Replacing the associated route table

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ReplaceRouteTableAssociation
&Version=2017-03-12
&RouteTableId=rtb-n0yejvje
&SubnetId=subnet-q2079ils
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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DeleteRoutes

Last updated：2024-11-25 20:04:04

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteRoutes) is used to delete routing policies in batches from a route table.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	Route table instance ID.
Routes.N	No	Array of Route	Routing policy object. Only the `RouteId` field is required when deleting a routing policy.

3. Output Parameters

Parameter	Type	Description

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Name		
RouteSet	Array of Route	Details of the routing policy that has been deleted.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting routes from a route table

This example shows you how to delete routes from a route table.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteRoutes
<Common request parameters>

{
"RouteTableId": "rtb-n0yejvje",
"Routes": [
{
"RouteId": 1,
"DestinationCidrBlock": "192.241.0.0/24",
"GatewayType": "EIP",
"GatewayId": "vpc-pymolayx",
"RouteDescription": "TEST",
"Enabled": true,
"RouteType": "USER",
"RouteTableId": "rtb-n0yejvje",
"DestinationIpv6CidrBlock": "201::/16",
"RouteItemId": "rti-pbta2ruf",
"PublishedToVbc": true,
"CreatedTime": "2020-09-22 00:00:00"
}
]
}
```

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Output Example


```
{
"Response": {
"RouteSet": [
{
"RouteId": 1,
"DestinationCidrBlock": "192.241.0.0/24",
"GatewayType": "EIP",
"GatewayId": "vpc-pymolayx",
"RouteDescription": "TEST",
"Enabled": true,
"RouteType": "USER",
"RouteTableId": "rtb-n0yejvje",
"DestinationIpv6CidrBlock": "201::/16",
"RouteItemId": "rti-pbta2ruf",
"PublishedToVbc": true,
"CreatedTime": "2020-09-22 00:00:00"
}
],
"RequestId": "10098418-f013-4d3e-855b-e086f0544b44"
}
}
```


5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation.DisabledNotifyCcn	The specified routing policy cannot be re-published to CCN. Please first withdraw it from CCN.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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ModifyRouteTableAttribute

Last updated：2024-11-25 20:04:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyRouteTableAttribute) is used to modify the attributes of a route table.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyRouteTableAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	The route table instance ID, such as `rtb-azd4dt1c` .
RouteTableName	Yes	String	Route table name.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying route table attributes

This example shows you how to modify attributes of a route table.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyRouteTableAttribute
&RouteTableId=rtb-n0yejvje
&RouteTableName=NewRouteTableName
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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ResetRoutes

Last updated：2024-11-25 20:03:58

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ResetRoutes) is used to reset the name of a route table and all its routing policies.

Note: When this API is called, all routing policies in the current route table are deleted before new routing policies are saved, which may incur network interruption.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	The route table instance ID, such as `rtb-azd4dt1c`.
RouteTableName	Yes	String	The route table name. The maximum length is 60 characters.
Routes.N	Yes	Array of Route	Routing policy.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Resetting the route table name and routes

This example shows you how to reset a route table name and routes.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ResetRoutes
<Common request parameters>

{
"RouteTableId": "rtb-n0yejvje",
"RouteTableName": "TEST",
"Routes": [
{
"RouteId": 1,
"DestinationCidrBlock": "192.168.0.0/16",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.16.37",
"RouteDescription": "abc",
"Enabled": true
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
```

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```
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.CidrNotInPeerVpc	The destination IP address range is not within the CIDR range of the the customer VPC.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.

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LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.Ecmp	ECMP is not supported.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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CreateRoutes

Last updated：2024-11-25 20:04:05

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create routes.

- You can batch add routes to a specified route table.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	Route table instance ID.
Routes.N	Yes	Array of Route	Routing policy object.

3. Output Parameters

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Parameter Name	Type	Description
TotalCount	Integer	The number of newly added instances.
RouteTableSet	Array of RouteTable	Route table object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a route

This example shows you how to create routes.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateRoutes
&RouteTableId=rtb-n0yejvje
&Routes.0.DestinationCidrBlock=192.168.0.0/16
&Routes.0.GatewayType=NORMAL_CVM
&Routes.0.GatewayId=172.16.16.37
&Routes.0.RouteDescription=TEST-CVM-ROUTE
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"RouteTableSet": [
{
"RouteSet": [
{
"CreatedTime": "2020-09-22 00:00:00",
"DestinationCidrBlock": "192.168.0.0/16",
"RouteTableId": "rtb-n0yejvje",
"RouteItemId": "rti-psm73tvu",
"RouteDescription": "erty",
"Enabled": true,
"RouteId": 1,
```

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```
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.16.37"
}
],
"RouteTableId": "rtb-n0yejvje",
"VpcId": "vpc-4cugx77a",
"RouteTableName": "TEST",
"TagSet": [
{
"Value": "test",
"Key": "ee"
}
],
"CreatedTime": "2020-09-22 00:00:00",
"AssociationSet": [
{
"SubnetId": "subnet-1234derf",
"RouteTableId": "rtb-n0yejvje"
}
],
"Main": false,
"LocalCidrForCcn": [
{
"Cidr": "10.0.0.0/16",
"PublishedToVbc": true
}
]
}
],
"RequestId": "a949ecd8-a223-4b96-8537-a8a68a5ba47a"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.CidrNotInPeerVpc	The destination IP address range is not within the CIDR range of the the customer VPC.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.RoutePolicyPriorityConflict	
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.CdcSubnetNotSupportUnLocalGateway	CDC subnet can only create a route to the local gateway.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.Ecmp	ECMP is not supported.

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UnsupportedOperation.EcmpWithCcnRoute	Form an ECMP with the CCN route.
UnsupportedOperation.EcmpWithUserRoute	Form an ECMP with the user's custom routes.
UnsupportedOperation.NormalSubnetNotSupportLocalGateway	The specified subnet does not support creating a route to the local gateway.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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ReplaceRoutes

Last updated：2024-11-25 20:03:59

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ReplaceRoutes) is used to modify a specified routing policy by its ID (RouteId). Batch modification is supported.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReplaceRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
RouteTableId	Yes	String	The route table instance ID, such as `rtb-azd4dt1c`.
Routes.N	Yes	Array of Route	Routing policy object. The routing policy ID (RouteId) must be specified.

3. Output Parameters

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Parameter Name	Type	Description
OldRouteSet	Array of Route	Old routing policy
NewRouteSet	Array of Route	New routing policy
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Replacing a route

This example shows you how to replace a route.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReplaceRoutes
<Common request parameters>

{
"RouteTableId": "rtb-n0yejvje",
"Routes": [
{
"RouteId": 17125,
"DestinationCidrBlock": "192.168.0.0/16",
"GatewayType": "NORMAL_CVM",
"GatewayId": "172.16.16.37",
"RouteDescription": "abc",
"Enabled": true,
"RouteType": "abc",
"RouteTableId": "abc",
"DestinationIpv6CidrBlock": "abc",
"RouteItemId": "abc",
"PublishedToVbc": true,
"CreatedTime": "2020-09-22 00:00:00"
```

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```
}
]
}
```

Output Example

```
{
"Response": {
"NewRouteSet": [
{
"DestinationCidrBlock": "172.16.16.37/22",
"RouteTableId": "rtb-n0yejvje",
"RouteDescription": "",
"GatewayType": "NORMAL_CVM",
"GatewayId": "pcx-n9vkqrtm"
}
],
"RequestId": "3f934a21-2786-44af-a421-38ee6c6e1fae",
"OldRouteSet": [
{
"DestinationCidrBlock": "172.16.16.37/21",
"RouteTableId": "rtb-n0yejvje",
"RouteDescription": "",
"GatewayType": "PEERCONNECTION",
"GatewayId": "pcx-n9vkqrtk"
}
]
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.CidrNotInPeerVpc	The destination IP address range is not within the CIDR range of the the customer VPC.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.CdcSubnetNotSupportUnLocalGateway	CDC subnet can only create a route to the local gateway.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.Ecmp	ECMP is not supported.
UnsupportedOperation.NormalSubnetNotSupportLocalGateway	The specified subnet does not support creating a route to the local gateway.

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UnsupportedOperation.RecordNotExists	The record does not exist.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.

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Elastic Public IP APIs DescribeAddressQuota

Last updated：2024-11-25 20:05:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeAddressQuota) is used to query the quota information of your Elastic IP (EIP) in the current region. For more information, see EIP product introduction.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAddressQuota.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

3. Output Parameters

Parameter Name	Type	Description

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QuotaSet	Array of Quota	The quota information of EIPs in an account.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying EIP quota

This example shows you how to query the EIP quota.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeAddressQuota
&<Common request parameters>
```

Output Example

```
{
"Response": {
"QuotaSet": [
{
"QuotaId": "TOTAL_EIP_QUOTA",
"QuotaCurrent": 0,
"QuotaLimit": 20
},
{
"QuotaId": "DAILY_EIP_APPLY",
"QuotaCurrent": 0,
"QuotaLimit": 40
},
{
"QuotaId": "DAILY_EIP_ASSIGN",
"QuotaCurrent": 0,
"QuotaLimit": 40
}
],
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
UnsupportedOperation	Unsupported operation.

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DescribeAddresses

Last updated：2024-11-25 20:05:43

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeAddresses) is used to query the information of one or multiple Elastic IPs.

- If the parameter is empty, a number (as specified by the `Limit` , the default value is 20) of EIPs will be returned.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIds.N	No	Array of String	The list of unique IDs of EIPs in the format of `eip-11112222` . `AddressIds` and `Filters.address-id` cannot be specified at the same time.
Filters.N	No	Array of Filter	Each request can have up to 10 `Filters` and 100 `Filter.Values` . Detailed filter conditions: • address-id - String - Optional - Filter by unique EIP ID, such as `eip-11112222` .

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			• address-name - String - Optional - Filter by EIP name. Fuzzy filtering is not supported. • address-ip - String - Optional - Filter by EIP address. • address-status - String - Optional - Filter by EIP status. Valid values: `CREATING` , `BINDING` , `BIND` , `UNBINDING` , `UNBIND` , `OFFLINING` , and `BIND_ENI` . • instance-id - String - Optional - Filter by the ID of the instance bound to the EIP, such as `ins-11112222` . • private-ip-address - String - Optional - Filter by the private IP address bound to the EIP. • network-interface-id - String - Optional - Filter by ID of the ENI bound to the EIP, such as `eni-11112222` . • is-arrears - String - Optional - Filter by the fact whether the EIP is overdue (TRUE: the EIP is overdue | FALSE: the billing status of the EIP is normal). • address-type - String - Optional - Filter by IP type. Valid values: `WanIP` , `EIP` , `AnycastEIP` , and `HighQualityEIP` . Default value: `EIP` . • address-isp - String - Optional - Filter by ISP type. Valid values: `BGP` , `CMCC` , `CUCC` , and `CTCC` . • dedicated-cluster-id - String - Optional - Filter by unique CDC ID, such as `cluster-11112222` . • tag-key - String - Optional - Filter by tag key. • tag-value - String - Optional - Filter by tag value. • tag:tag-key - String - Optional - Filter by tag key-value pair. Use a specific tag key to replace `tag-key` .
Offset	No	Integer	The Offset. The default value is 0. For more information about `Offset` , see the relevant section in the API documentation.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100. For more information on `Limit` , see the relevant section in the API documentation.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of EIPs meeting the condition.
AddressSet	Array of Address	List of EIPs details.

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying EIP information

This example shows you how to query EIP information.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeAddresses
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"TotalCount": 2,
"AddressSet": [
{
"AddressId": "eip-qhx8udkc",
"AddressName": "Unnamed",
"AddressIp": "1.14.91.34",
"AddressStatus": "UNBIND",
"AddressType": "EIP",
"InstanceId": "ins-wf123456",
"InstanceType": null,
"NetworkInterfaceId": "eni-12345678",
"PrivateAddressIp": "10.2.3.4",
"IsArrears": false,
"IsBlocked": false,
"IsEipDirectConnection": false,
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"LocalBgp": false,
```

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```
"CascadeRelease": false,
"CreatedTime": "2022-08-11T03:57:05Z",
"TagSet": [],
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR",
"Bandwidth": 1,
"DeadlineDate": null,
"InternetServiceProvider": "BGP"
},
{
"AddressId": "eip-qygpzm9y",
"AddressName": "Unnamed",
"AddressIp": "1.14.90.212",
"AddressStatus": "UNBIND",
"AddressType": "EIP",
"InstanceId": "ins-12345678",
"InstanceType": null,
"NetworkInterfaceId": "eni-12345678",
"PrivateAddressIp": "10.3.4.5.6",
"IsArrears": false,
"IsBlocked": false,
"IsEipDirectConnection": false,
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"LocalBgp": false,
"CascadeRelease": false,
"CreatedTime": "2022-08-11T03:47:03Z",
"TagSet": [],
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR",
"Bandwidth": 1,
"DeadlineDate": null,
"InternetServiceProvider": "BGP"
}
],
"RequestId": "4ead34c4-3112-40fe-bbde-2295eee9d664"
}
}
```


Example2 Querying public IPs

This example shows you how to query public IPs.

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeAddresses
&Filters.0.Name=address-type
&Filters.0.Values.0=WanIP
&<Common request parameters>
```

Output Example


```
{
"Response": {
"TotalCount": 0,
"AddressSet": [
{
"AddressId": "eip-12345678",
"AddressName": "abc",
"AddressStatus": "UNBIND",
"AddressIp": "34.3.4.5.6",
"InstanceId": "ins-12345678",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"NetworkInterfaceId": "eni-12345678",
"PrivateAddressIp": "192.2.3.4",
"IsArrears": true,
"IsBlocked": true,
"IsEipDirectConnection": true,
"AddressType": "WanIp",
"CascadeRelease": true,
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"InternetServiceProvider": "abc",
"LocalBgp": true,
"Bandwidth": 1,
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR",
"TagSet": [
{
"Key": "abc",
"Value": "abc"
}
],
"DeadlineDate": "2020-09-22",
"InstanceType": "abc"
}
],
"RequestId": "abc"
```


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```
}
}
```

Example3 Querying EIPs

This example shows you how to query EIPs.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeAddresses
&AddressIds.0=eip-hxlqja90
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 0,
"AddressSet": [
{
"AddressId": "eip-12345678",
"AddressName": "abc",
"AddressStatus": "UNBIND",
"AddressIp": "34.3.4.5.6",
"InstanceId": "ins-12345678",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"NetworkInterfaceId": "eni-12345678",
"PrivateAddressIp": "10.2.3.4",
"IsArrears": true,
"IsBlocked": true,
"IsEipDirectConnection": true,
"AddressType": "WanIp",
"CascadeRelease": true,
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"InternetServiceProvider": "BGP",
"LocalBgp": true,
"Bandwidth": 1,
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR",
"TagSet": [
{
"Key": "abc",
"Value": "abc"
}
```

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```
],
"DeadlineDate": "2020-09-22",
"InstanceType": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.InvalidDedicatedClusterId	Invalid DedicatedClusterId.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.NetworkInterfaceIdMalformed	Incorrect network interface ID.
InvalidParameterValue.ResourceIdMalformed	The resource ID is incorrect.
LimitExceeded.NumberOfFilters	Exceeded the character limit of a filter name.
UnsupportedOperation	Unsupported operation.

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DescribeTaskResult

Last updated：2024-11-25 20:09:28

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the EIP async job execution results.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeTaskResult.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
TaskId	No	Integer	Async task ID. Either TaskId or DealName must be entered.
DealName	No	String	Billing order No. Either TaskId or DealName must be entered.

3. Output Parameters

Parameter Name	Type	Description

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TaskId	Integer	Job ID
Result	String	The execution results, including `SUCCESS`, `FAILED`, and `RUNNING`
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the execution result of an async task

This example shows you how to query the execution result of an async task.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeTaskResult
&TaskId=12566700
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TaskId": 12566700,
"Result": "SUCCESS",
"RequestId": "f2e74569-c189-4396-80ab-1482134a1e52"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.TaskFailed	Task execution failed.
InternalServerError	Internal error.
InvalidParameter	A parameter error occurred.
MissingParameter	Missing parameter.

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InquiryPriceModifyAddressesBandwidth

Last updated：2024-12-30 20:28:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the price of modifying EIP bandwidth.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InquiryPriceModifyAddressesBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIds.N	Yes	Array of String	Unique ID of EIP
InternetMaxBandwidthOut	Yes	Integer	New Bandwidth Value

3. Output Parameters

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Parameter Name	Type	Description
Price	InternetPrice	Inquiry results for adjusting EIP bandwidth.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying Bandwidth Inquiry for Hourly Traffic EIP

Hourly traffic EIP bandwidth modification inquiry.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceModifyAddressesBandwidth
<Common request parameters>

{
"InternetMaxBandwidthOut": "2",
"AddressIds": [
"eip-hxlqja90"
]
}
```

Output Example

```
{
"Response": {
"Price": {
"AddressPrice": {
"UnitPrice": 0.8,
"DiscountPrice": 0.8,
"ChargeUnit": "HOUR"
}
},
"RequestId": "7daad6af-50de-4df5-8238-0d76c7be62e1"
}
}
```

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Example2 Modifying Bandwidth Inquiry for Hourly Bandwidth EIP

This example shows you how to modify the bandwidth inquiry for hourly bandwidth EIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceModifyAddressesBandwidth
<Common request parameters>

{
"AddressIds": [
"eip-3hwtklhj"
],
"InternetMaxBandwidthOut": 5
}
```

Output Example

```
{
"Response": {
"Price": {
"AddressPrice": {
"UnitPrice": 0.315,
"DiscountPrice": 0.315,
"ChargeUnit": "HOUR"
}
},
"RequestId": "db071565-27cb-482a-a3fe-1c7bba77e4a9"
}
}
```

Example3 Modifying Bandwidth Inquiry for Monthly Bandwidth EIP

This example shows you how to modify the bandwidth inquiry for monthly bandwidth EIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceModifyAddressesBandwidth
<Common request parameters>
```

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```
{
"AddressIds": [
"eip-iu4ml5pp"
],
"InternetMaxBandwidthOut": 5
}
```

Output Example

```
{
"Response": {
"Price": {
"AddressPrice": {
"OriginalPrice": 95,
"DiscountPrice": 95
}
},
"RequestId": "ddf8edf2-0457-4ba7-b2ab-e66e98823cc6"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.BandwidthTooSmall	The selected bandwidth is smaller than the minimum permissible range.
InvalidParameterValue.ResourceExpired	The resource has expired.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.

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InquiryPriceRenewAddresses

Last updated：2024-12-30 20:40:10

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (InquiryPriceRenewAddresses) is used to query the price of renewing prepaid EIPs.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InquiryPriceRenewAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIds.N	Yes	Array of String	Indicates the renewal resource instance ID.
AddressChargePrepaid	Yes	AddressChargePrepaid	A required billing parameter for an EIP billed by "BANDWIDTH_PREPAID_BY_MONTH". When the EIP is billed by "BANDWIDTH_PREPAID_BY_MONTH",

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			this parameter is required. For other scenarios, it can be ignored.

3. Output Parameters

Parameter Name	Type	Description
Price	InternetPrice	Elastic Public IP renewal price.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Monthly Bandwidth Billing Mode EIP Renewal Inquiry

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceRenewAddresses
<Common request parameters>

{
"AddressIds": [
"eip-iu4ml5pp"
],
"AddressChargePrepaid": {
"Period": 12
}
}
```

Output Example

```
{
"Response": {
"Price": {
"AddressPrice": {
```

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```
"OriginalPrice": 240,
"DiscountPrice": 240
}
},
"RequestId": "84658acc-bdb9-4a3e-a37a-84a2e0c14e44"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameterValue.AddressNotFound	Unable to find the address.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.

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AllocateAddresses

Last updated：2025-03-12 19:52:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to apply for one or more Elastic IP Addresses (EIPs for short).

- An EIP is a static IP address that is dedicated for dynamic cloud computing. You can quickly re-map an EIP to another instance under your account to protect against instance failures.
- Your EIP is associated with your Tencent Cloud account rather than an instance. It remains associated with your Tencent Cloud account until you choose to explicitly release it or your account is in arrears for more than 24 hours.
- The maximum number of EIPs that can be applied for a Tencent Cloud account in each region is restricted. For more information, see EIP Product Introduction. You can get the quota information through the DescribeAddressQuota API.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AllocateAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by product.

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AddressCount	No	Integer	The number of EIPs. Default: 1.
InternetServiceProvider	No	String	The EIP line type. Default: BGP. • For a user who has activated the static single-line IP allowlist, possible values a ◦ CMCC: China Mobile ◦ CTCC: China Telecom ◦ CUCC: China Unicom Note: Only certain regions support static single-line IP addresses.
InternetChargeType	No	String	The EIP billing method. • For bill-by-IP account beta users, valid values: ◦ BANDWIDTH_PACKAGE: paid by th bandwidth package(who must also be bandwidth package beta users) ◦ BANDWIDTH_POSTPAID_BY_HOU billed by hourly bandwidth on a pay-a you-go basis ◦ BANDWIDTH_PREPAID_BY_MONT monthly bandwidth subscription ◦ TRAFFIC_POSTPAID_BY_HOUR: billed by hourly traffic on a pay-as-you go basis Default value: TRAFFIC_POSTPAID_BY_HOUR • If you are not a bill-by-IP account beta user, the EIP billing is the same as that f the instance bound to the EIP. Therefore you do not need to pass in this paramete
InternetMaxBandwidthOut	No	Integer	The EIP outbound bandwidth cap, in Mbps • For bill-by-IP account beta users, the bandwidth cap range is determined by th EIP billing mode. ◦ `BANDWIDTH_PACKAGE` : 1 Mbps to 2000 Mbps ◦ `BANDWIDTH_POSTPAID_BY_HOUR` 1 Mbps to 100 Mbps ◦ `BANDWIDTH_PREPAID_BY_MONTH` 1 Mbps to 200 Mbps ◦ `TRAFFIC_POSTPAID_BY_HOUR` : Mbps to 100 Mbps Default value: 1 Mbps

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			• If you are not a bill-by-IP account beta user, the EIP outbound bandwidth cap is subject to the bandwidth cap of the instance bound to the EIP. Therefore, yo do not need to pass in this parameter.
AddressChargePrepaid	No	AddressChargePrepaid	A required billing parameter for an EIP bille by monthly bandwidth subscription. For EIF using other billing modes, it can be ignored
AddressType	No	String	EIP type. Default value: EIP. • For beta users of AIA, the value can be: `AnycastEIP` : an AIA IP address. For more information, see Anycast Internet Acceleration.Note: Anycast EIPs are supported only in partial regions. • For beta users of dedicated IP, the value can be: ◦ `HighQualityEIP` : Dedicated IP Note that dedicated IPs are only availab in partial regions. • For beta users of Anti-DDoS IP, the valu can be: ◦ `AntiDDoSEIP` : Anti-DDoS EIP Note that Anti-DDoS IPs are only availab in partial regions.
AnycastZone	No	String	Anycast publishing region • Valid for users who have activated AIA. Values: ◦ ANYCAST_ZONE_GLOBAL: global publishing region ◦ ANYCAST_ZONE_OVERSEAS: overseas publishing region ◦ **[Disused]** ANYCAST_ZONE_A: publishing region A (updated to ANYCAST_ZONE_GLOBAL) ◦ **[Disused]** ANYCAST_ZONE_B: publishing region B (updated to ANYCAST_ZONE_GLOBAL) Default: ANYCAST_ZONE_OVERSEAS
VipCluster.N	No	Array of String	

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ApplicableForCLB	No	Boolean	**[Disused]** Whether the Anycast EIP can be bound to CLB instances. • Valid for users who have activated the A Values: ◦ TRUE: the Anycast EIP can be bound CLB instances. ◦ FALSE: the Anycast EIP can be boun to CVMs, NAT gateways, and HAVIP Default: FALSE.
Tags.N	No	Array of Tag	List of tags to be bound.
BandwidthPackageId	No	String	The unique ID of a BGP bandwidth packag If you configure this parameter and set InternetChargeType as BANDWIDTH_PACKAGE, the new EIP is added to this package and billed by the bandwidth package mode.
AddressName	No	String	EIP name, which is the custom EIP name given by the user when applying for the EIF Default: not named
DedicatedClusterId	No	String	
IsDedicatedAddressPool	No	Boolean	
Egress	No	String	Network egress. It defaults to `center_egress1`.
AntiDDoSPackageId	No	String	Anti-DDoS service package ID. This is required when you want to request an Anti-DDoS IP.
ClientToken	No	String	A string used to ensure the idempotency of the request. Generate a value based on you client. This can ensure that the value is unique for different requests. It only suppor ASCII characters and can contain up to 64 characters.

3. Output Parameters

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Parameter Name	Type	Description
AddressSet	Array of String	List of the unique IDs of the requested EIPs.
TaskId	String	The Async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an AIA IP

This example shows you how to create an Anycast Internet Acceleration (AIA) IP. This is only available to beta users.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AllocateAddresses
<Common request parameters>

{
"AddressCount": "1",
"AddressType": "AnycastEIP"
}
```

Output Example

```
{
"Response": {
"AddressSet": [
"eip-m44ku5d2"
],
"TaskId": "61531428",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

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Example2 Creating a regular IP

This example shows you how to create a regular IP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AllocateAddresses
<Common request parameters>

{
"AddressCount": "1"
}
```

Output Example

```
{
"Response": {
"AddressSet": [
"eip-m44ku5d2"
],
"TaskId": "61531421",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

Example3 Creating a static single-line IP address

This example shows you how to create a static single-line IP, provided that you are a static single-line IP beta user.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AllocateAddresses
<Common request parameters>

{
"AddressCount": "1",
"InternetServiceProvider": "CTCC"
}
```

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Output Example

```
{
"Response": {
"AddressSet": [
"eip-m44ku5d2"
],
"TaskId": "61531429",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

Example4 Failing to Applying for an EIP

This example shows you how to update the idempotency parameter if an idempotent request fails.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AllocateAddresses
<common request parameters>
{
"ClientToken": "b8fcdf80-248a-4095-bfa3-7f59df1aec"
}
```

Output Example

```
{
"Response": {
"Error": {
"Code": "UnsupportedOperation.DeliveryFailed",
"Message": "Delivery failed. Please update the ClientToken and try again."
},
"RequestId": "8e176c15-f087-4816-a270-306cf87229a6"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AddressQuotaLimitExceeded	The account quota is reached. Each Tencent Cloud account can create up to 20 EIPs in each region.
AddressQuotaLimitExceeded.DailyAllocate	The maximum number of requests is reached. The maximum number of requests made by a Tencent Cloud account per day in each region equals to two times the quota.
FailedOperation.BalanceInsufficient	Insufficient account balance.
FailedOperation.InvalidRegion	Unsupported region.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidParameterConflict	The two parameters cannot be

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	specified at the same time, nor exist concurrently. EIP can only be bound to the instances or the specified private IPs of the specified ENIs.
InvalidParameterValue.AddressAttacked	Attacked IP address.
InvalidParameterValue.AddressIpNotAvailable	The IP address is not available now.
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.BandwidthTooSmall	The selected bandwidth is smaller than the minimum permissible range.
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.InvalidDedicatedClusterId	Invalid DedicatedClusterId.
InvalidParameterValue.InvalidTag	This Tag is invalid.
InvalidParameterValue.MixedAddressIpSetType	A request cannot contain IP addresses with different cluster types.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.ResourceIdMalformed	The resource ID is incorrect.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.UnavailableZone	This availability zone is unavailable.
LimitExceeded.BandwidthPackageQuota	Exceeded the upper limit of the bandwidth package quota.
LimitExceeded.BandwidthPackageResourceQuota	Number of resources added to this bandwidth package reached the upper limit.

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LimitExceeded.MonthlyAddressRecoveryQuota	Ran out of the monthly quota of chances to retrieve IPs.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
ResourceInsufficient	Insufficient resources.
UnauthorizedOperation.AnycastEip	No permission to apply for AnycastEip resources.
UnauthorizedOperation.InvalidAccount	Unauthorized user.
UnsupportedOperation.AccountNotSupported	This account is not supported.
UnsupportedOperation.ActionNotFound	The port does not exist.
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.DeliveryFailed	
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.
UnsupportedOperation.InvalidAction	Unsupported operation.
UnsupportedOperation.NotSupportedPurchaseCenterEgressResource	
UnsupportedOperation.OfflineChargeType	This billing mode is disused. Please try another billing mode.
UnsupportedOperation.UnsupportedRegion	The service is not available in this country/region.

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AssociateAddress

Last updated：2024-11-25 20:05:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to bind an Elastic IP (EIP for short) to the specified private IP of an instance or ENI.

- Binding an EIP to a CVM instance is actually binding the EIP to the primary private IP of the primary ENI on the CVM instance.
- When an EIP is bound, the public IP previously bound to the CVM instance will be unbound and released automatically.
- To bind another EIP to the private IP of the specified ENI, you must first unbind the EIP.
- To bind an EIP to a NAT Gateway, use the API AssociateNatGatewayAddress.
- An EIP cannot be bound if it's overdue or blocked
- Only EIP in the `UNBIND` status can be bound.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

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AddressId	Yes	String	The unique ID of the EIP, such as `eip-11112222` .
InstanceId	No	String	The ID of the instance to be bound, such as `ins-11112222` , `lb-11112222` . You can query the instance ID by logging into the Console. You can also obtain the parameter value from the `InstanceId` field in the returned result of DescribeInstances API.
NetworkInterfaceId	No	String	The ID of the ENI to be bonud, such as `eni-11112222` . `NetworkInterfaceId` and `InstanceId` cannot be specified at the same time. You can query the ENI ID by logging into the Console. You can also obtain the parameter value from the `networkInterfaceId` field in the returned result of DescribeNetworkInterfaces API.
PrivateIpAddress	No	String	The private IP to be bound. If you specify `NetworkInterfaceId` , then you must also specify `PrivateIpAddress` , indicating the EIP is bound to the specified private IP of the specified ENI. At the same time, you must ensure the specified `PrivateIpAddress` is a private IP on the `NetworkInterfaceId` . You can query the private IP of the specified ENI by logging into the Console. You can also obtain the parameter value from the `privateIpAddress` field in the returned result of DescribeNetworkInterfaces API.
EipDirectConnection	No	Boolean	Specify whether to configure direct access when binding EIPs. For details, see EIP Direct Access. Valid values: `True` and `False` (default). This parameter can be set to `True` when binding EIPs to a CVM instance or EKS cluster. It is in a beta test. To try it out, please submit a ticket.

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	The async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Binding an EIP with an instance

This example shows you how to bind an EIP to an instance.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssociateAddress
<Common request parameters>

{
"InstanceId": "ins-1bmpb9tu",
"AddressId": "eip-ek0cdz1g"
}
```

Output Example

```
{
"Response": {
"TaskId": "50121411",
"RequestId": "3c140219-cfe9-470e-b241-907877d6fb03"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.AddressEniInfoNotFound	The ENI information is not available in this address.
FailedOperation.TaskFailed	Task execution failed.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidInstanceId.AlreadyBindEip	The specified instance has already been bound to an EIP. You must unbind the current EIP first before binding another EIP.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidNetworkInterfaceId.NotFound	The specified NetworkInterfaceId does not exist or the specified PrivateIpAddress is not on the NetworkInterfaceId.
InvalidParameterConflict	The two parameters cannot be specified at the same time, nor exist concurrently. EIP can only be bound to the instances or the specified private IPs of the specified ENIs.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressNotApplicable	An EIP cannot be bound with this type of instance.
InvalidParameterValue.AddressNotFound	Unable to find the address.

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InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.InstanceDoesNotSupportAnycast	This instance does not support an Anycast EIP.
InvalidParameterValue.InstanceHasNoWanIP	The instance does not have a public IP.
InvalidParameterValue.InstanceHasWanIP	This instance already has a WanIP (public IP).
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.InstanceNoWanIP	Request failed: this instance does not have a WanIP (public IP).
InvalidParameterValue.InstanceNormalPublicIpBlocked	Failed to bind: this IP is restricted
InvalidParameterValue.InstanceNotMatchAssociateEni	The ENI and the IP are bound with different instances.
InvalidParameterValue.InvalidInstanceInternetChargeType	This IP is applicable only for pay-as-you-go instances that billed by hourly traffic and instances with bandwidth package.
InvalidParameterValue.InvalidInstanceState	Operation failed: the status of the instance does not allow this operation.
InvalidParameterValue.LBAlreadyBindEip	This CLB instance is already bound with an EIP.
InvalidParameterValue.MissingAssociateEntity	The bound instance is missing.
InvalidParameterValue.NetworkInterfaceNotFound	The network interface ID was not found. The private IP address may not be configured on the network interface.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
InvalidPrivateIpAddress.AlreadyBindEip	The specified private IP of the specified ENI has already been bound to an EIP. A private IP cannot be bound to more than one EIP.
LimitExceeded.InstanceAddressQuota	Exceeded the upper limit of the EIPs bound to the instance.
MissingParameter	Missing parameter.
OperationDenied.AddressInArrears	The specified public IP is isolated.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.ActionNotFound	The port does not exist.

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UnsupportedOperation.AddressIpNotSupportInstance	The IP address bound with this instance does not support this operation
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.IncorrectAddressResourceType	This type of address does not support this operation.
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.
UnsupportedOperation.InvalidAction	Unsupported operation.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.
UnsupportedOperation.IspNotSupported	This ISP does not support this operation.

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DisassociateAddress

Last updated：2024-11-25 20:05:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind an Elastic IP (EIP for short).

- This API supports unbinding an EIP from CVM instances and ENIs.
- This API does not support unbinding an EIP from a NAT Gateway. To unbind an EIP from a NAT Gateway, use the `DisassociateNatGatewayAddress` API.
- Only EIPs in BIND or BIND_ENI status can be unbound.
- Blocked EIPs cannot be unbound.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressId	Yes	String	The unique ID of the EIP, such as `eip-11112222` .

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ReallocateNormalPublicIp	No	Boolean	Whether a common public IP is assigned after the EIP is unbound. Value range: • TRUE: Indicates that after the EIP is unbound, a common public IP is assigned. • FALSE: Indicates that after the EIP is unbound, a common public IP is not assigned. Default value: FALSE. The parameter can be specified only under the following conditions: • It can only be specified when you unbind an EIP from the primary private IP of the primary ENI. • After an EIP is unbound, you can assign public IPs to an account up to 10 times per day. For more information, use the [DescribeAddressQuota](https://www.tencentcloud.com/document/api/213/1378?from_cn_redirect=1) API.

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	The async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding an EIP

This example shows you how to unbind an EIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DisassociateAddress
<Common request parameters>
```

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```
{
"AddressId": "eip-ek0cdz1g"
}
```

Output Example

```
{
"Response": {
"TaskId": "61531411",
"RequestId": "3c140219-cfe9-470e-b241-907877d6fb03"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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AddressQuotaLimitExceeded.DailyAllocate	The maximum number of requests is reached. The maximum number of requests made by a Tencent Cloud account per day in each region equals to two times the quota.
FailedOperation.AddressEniInfoNotFound	The ENI information is not available in this address.
FailedOperation.MasterEniNotFound	The instance's primary ENI is not found.
FailedOperation.TaskFailed	Task execution failed.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidAddressIdStatus.NotPermit	The specified EIP cannot be bound in current status. It can only be bound in UNBIND status.
InvalidInstance.NotSupported	This instance is not supported.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidParameter	A parameter error occurred.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.OnlySupportedForMasterNetworkCard	This operation is only available for primary ENIs.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.ActionNotFound	The port does not exist.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.

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UnsupportedOperation.InvalidAction	Unsupported operation.

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InquiryPriceAllocateAddresses

Last updated：2024-12-30 14:41:29

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (InquiryPriceAllocateAddresses) is used to query the price of purchasing EIPs.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InquiryPriceAllocateAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by product.
InternetChargeType	No	String	EIP billing method. • Users with standard account type. Valid values: ◦ BANDWIDTH_POSTPAID_BY_HOU billed by hourly bandwidth on a pay-a you-go basis.

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			◦ BANDWIDTH_PREPAID_BY_MONT monthly bandwidth subscription. ◦ TRAFFIC_POSTPAID_BY_HOUR: billed by hourly traffic on a pay-as-you go basis. Default value: TRAFFIC_POSTPAID_BY_HOUR.
InternetMaxBandwidthOut	No	Integer	The EIP outbound bandwidth cap, in Mbps • For users with standard account type, th range of optional values depends on the EIP billing method: ◦ `BANDWIDTH_POSTPAID_BY_HOUR` 1 Mbps to 100 Mbps. ◦ `BANDWIDTH_PREPAID_BY_MONTH` 1 Mbps to 200 Mbps ◦ `TRAFFIC_POSTPAID_BY_HOUR` : Mbps to 100 Mbps. Default value: 1 Mbps. • For users with traditional account type, t EIP outbound bandwidth cap is subject to t public network egress bandwidth limit of th bound instance. No need to pass this parameter.
AddressChargePrepaid	No	AddressChargePrepaid	A required billing parameter for an EIP bille by "BANDWIDTH_PREPAID_BY_MONTH When the EIP is billed by "BANDWIDTH_PREPAID_BY_MONTH" th parameter is required. For other scenarios, can be ignored.
AddressType	No	String	EIP type. Default value: EIP. • High quality EIP, valid values: ◦ HighQualityEIP: high quality EIP Note: High quality EIP is supported only some regions. • High-defense IP, valid values:

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			◦ AntiDDoSEIP: high-defense IP

3. Output Parameters

Parameter Name	Type	Description
Price	InternetPrice	EIP price
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Inquiring About an Elastic IP Billed by Hourly Traffic

This example shows you how to inquire about an elastic IP billed by hourly traffic.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceAllocateAddresses
<Common request parameters>

{
"AddressType": "EIP",
"InternetMaxBandwidthOut": "1",
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR"
}
```

Output Example

```
{
"Response": {
"Price": {
"AddressPrice": {
```

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```
"ChargeUnit": "HOUR",
"UnitPrice": 0.8,
"DiscountPrice": 0.8
}
},
"RequestId": "90d508a8-9ee8-4220-9c8e-9faeedce3ab4"
}
}
```


Example2 Hourly Bandwidth Billing Mode Elastic IP Inquiry

This example shows you how to inquire about an elastic IP billed by hourly bandwidth.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceAllocateAddresses
<Common request parameters>

{
"AddressType": "EIP",
"InternetMaxBandwidthOut": "1",
"InternetChargeType": "BANDWIDTH_POSTPAID_BY_HOUR"
}
```

Output Example


```
{
"Response": {
"Price": {
"AddressPrice": {
"UnitPrice": 0.063,
"DiscountPrice": 0.063,
"ChargeUnit": "HOUR"
}
},
"RequestId": "ebc826be-ec1a-4522-b08f-8da3fe5adedc"
}
}
```


Example3 Monthly Bandwidth Billing Mode Elastic IP Inquiry

This example shows you how to inquire about Elastic IP in monthly bandwidth billing mode.

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Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: InquiryPriceAllocateAddresses
<Common request parameters>

{
"AddressChargePrepaid": {
"Period": 1
},
"AddressType": "EIP",
"InternetChargeType": "BANDWIDTH_PREPAID_BY_MONTH",
"InternetMaxBandwidthOut": 1
}
```

Output Example

```
{
"Response": {
"Price": {
"AddressPrice": {
"OriginalPrice": 20,
"DiscountPrice": 20
}
},
"RequestId": "136605f0-ca35-4d22-9b77-e053168fa25f"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.InvalidRegion	Unsupported region.
InvalidAccount.NotSupported	This account is not supported.
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.UnavailableZone	This availability zone is unavailable.
UnsupportedOperation.ActionNotFound	The port does not exist.
UnsupportedOperation.UnsupportedRegion	The service is not available in this country/region.

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ModifyAddressAttribute

Last updated：2024-11-25 20:05:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyAddressAttribute) is used to modify the name of an Elastic IP.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAddressAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressId	Yes	String	The unique ID of the EIP, such as `eip-11112222` .
AddressName	No	String	The EIP name after modification. The maximum length is 20 characters.
EipDirectConnection	No	String	Whether the set EIP is a direct connection EIP. TRUE: yes. FALSE: no. Note that this parameter is available only to users who have activated the EIP direct connection function.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the EIP name

This example shows you how to modify the name of an EIP

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAddressAttribute
<Common request parameters>

{
"AddressName": "test_eip",
"AddressId": "eip-p2x6wxc0"
}
```

Output Example

```
{
"Response": {
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.ResourceNotExisted	The resource is not associated with this bandwidth package.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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UnsupportedOperation.IncorrectAddressResourceType	This type of address does not support this operation.
UnsupportedOperation.ModifyAddressAttribute	The account does not support modifying this attribute of the public IP.

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ModifyAddressInternetChargeType

Last updated：2024-11-25 20:09:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the network billing mode of an EIP. Please note that it's available to users whose network fees are billed on IPs but not CVMs.

- The network billing mode can be switched between `BANDWIDTH_PREPAID_BY_MONTH` and `TRAFFIC_POSTPAID_BY_HOUR`.
- The network billing mode for each EIP be changed for up to twice.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAddressInternetChargeType.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressId	Yes	String	Unique EIP ID, such as "eip-xxxx"

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InternetChargeType	Yes	String	The target billing method. It can be `BANDWIDTH_PREPAID_BY_MONTH` or `TRAFFIC_POSTPAID_BY_HOUR`
InternetMaxBandwidthOut	Yes	Integer	The target bandwidth value
AddressChargePrepaid	No	AddressChargePrepaid	Billing details of monthly-subscribed network bandwidth. This parameter is required if the target billing method is `BANDWIDTH_PREPAID_BY_MONTH`.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the billing mode of an EIP

This example shows you how to modify the billing mode of an EIP.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyAddressInternetChargeType
&AddressId=eip-fo00aojo
&InternetChargeType=TRAFFIC_POSTPAID_BY_HOUR
&InternetMaxBandwidthOut=5
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a3524d83-9f3b-40ee-beb8-3a8144e7d125"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.BalanceInsufficient	Insufficient account balance.
InternalServerError	Internal error.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidAddressIdState.InArrears	The specified EIP is in arrears.
InvalidAddressState	The operation cannot be performed on the specified EIP in current status.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.

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InvalidParameterValue.AddressNotCalcIP	This IP address is not a CalcIP (device IP).
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.InternetChargeTypeNotChanged	The network billing mode has not been changed.
InvalidParameterValue.Range	The parameter value is not in the specified range.
LimitExceeded	Quota limit is reached.
LimitExceeded.ModifyAddressInternetChargeTypeQuota	Ran out of the quota of chances to change the IP billing mode.
OperationDenied.AddressInArrears	The specified public IP is isolated.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.InvalidAction	Unsupported operation.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.
UnsupportedOperation.NatNotSupported	The NAT instance does not support this operation.
UnsupportedOperation.UnpaidOrderAlreadyExists	Overdue payments are found under this account. Please complete the payment first.

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ModifyAddressesBandwidth

Last updated：2024-11-25 20:09:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the bandwidth of Elastic IP, including EIP billed on a pay-as-you-go, monthly subscription, and bandwidth package basis.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAddressesBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIds.N	Yes	Array of String	List of EIP IDs, such as “eip-xxxx”.
InternetMaxBandwidthOut	Yes	Integer	Target bandwidth value adjustment
StartTime	No	Timestamp	(Disused) The start time of the monthly bandwidth subscription
EndTime	No	Timestamp	(Disused) The end time of the monthly bandwidth

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			subscription

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	The async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the pay-as-you-go bandwidth

This example shows you how to adjust the pay-as-you-go bandwidth.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyAddressesBandwidth
<Common request parameters>

{
"InternetMaxBandwidthOut": "2",
"AddressIds": [
"eip-alfxy9c8"
]
}
```

Output Example

```
{
"Response": {
"TaskId": "11531422",
"RequestId": "24cfceab-3492-482c-b86f-27f598b1b044"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.TaskFailed	Task execution failed.
InternalServerError	Internal error.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.AddressTypeConflict	Invalid IP address type
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.BandwidthTooSmall	The selected bandwidth is smaller than the

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	minimum permissible range.
InvalidParameterValue.InconsistentInstanceInternetChargeType	The billing mode of this instance is different from that of others.
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.InstanceNoCalcIP	Request failed: this instance does not have a CalcIP (device IP).
InvalidParameterValue.InstanceNoWanIP	Request failed: this instance does not have a WanIP (public IP).
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.ResourceExpired	The resource has expired.
InvalidParameterValue.ResourceNotExisted	The resource is not associated with this bandwidth package.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
OperationDenied.AddressInArrears	The specified public IP is isolated.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.ActionNotFound	The port does not exist.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.
UnsupportedOperation.UnpaidOrderAlreadyExists	Overdue payments are found under this account. Please complete the payment first.

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ReleaseAddresses

Last updated：2024-11-25 20:05:38

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ReleaseAddresses) is used to release one or multiple Elastic IPs.

- This operation is irreversible. Once you release an EIP, the IP address associated with the EIP no longer belongs to you.
- Only EIPs in UNBIND status can be released.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReleaseAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIds.N	Yes	Array of String	The unique ID list of the EIP. The unique ID of an EIP is as follows: `eip-11112222` .

3. Output Parameters

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Parameter Name	Type	Description
TaskId	String	The async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Releasing an EIP

•

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReleaseAddresses
<Common request parameters>

{
"AddressIds": [
"eip-gzc5rgr2"
]
}
```

Output Example

```
{
"Response": {
"TaskId": "12331420",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.TaskFailed	Task execution failed.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidAddressState	The operation cannot be performed on the specified EIP in current status.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressInternetChargeTypeConflict	The billing mode of this IP address conflicts with that of other IP addresses.
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.AddressTypeConflict	Invalid IP address type
LimitExceeded.AccountReturnQuota	Ran out of the quota for returning under this account.

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OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.UnpaidOrderAlreadyExists	Overdue payments are found under this account. Please complete the payment first.

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ReturnNormalAddresses

Last updated：2024-11-25 20:09:25

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind and release public IPs.
Note: Starting from Dec 15, 2022, CAM authorization is required for a sub-account to call this API. For more details, see Authorization Guide.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReturnNormalAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIps.N	No	Array of String	EIP addresses. Example: 101.35.139.183

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinds and releases public IPs

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReturnNormalAddresses
<Common request parameters>

{
"AddressIps": [
"101.35.139.183"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "5957a632-12b2-4051-b103-ecd77145ecbd"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.AddressIpsNotFound	Failed to query the address.
InvalidParameterValue.Illegal	
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
UnsupportedOperation.NotSupportedAddressIpsChargeType	This type of addresses cannot be released.

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TransformAddress

Last updated：2024-11-25 20:05:36

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to convert a common public IP into an Elastic IP (EIP for short).

- Tencent Cloud limits the number of times that a user can unbind EIPs and reassign public IPs in each region per day. For more information, see product introduction of Elastic IP. The preceding quota can be obtained through the API DescribeAddressQuota.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: TransformAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
InstanceId	Yes	String	The ID of the instance with a common public IP to be operated on, such as `ins-11112222` . You can query the instance ID by logging into the CVM console. You can also obtain the parameter value from the `InstanceId` field in the returned result of the API DescribeInstances.

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3. Output Parameters

Parameter Name	Type	Description
TaskId	Integer	The async task ID. You can use the DescribeTaskResult API to query the task status.
AddressId	String	The unique ID after converting to EIP
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Converting a public IP to an EIP

This example shows you how to convert a public IP to an EIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: TransformAddress
<Common request parameters>

{
"InstanceId": "ins-3ea0qeu6"
}
```

Output Example

```
{
"Response": {
"AddressId": "eip-fk2gmm9s",
"TaskId": 345732,
"RequestId": "070889cb-a42a-40a0-ac50-293ef36e0dfc"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AddressQuotaLimitExceeded	The account quota is reached. Each Tencent Cloud account can create up to 20 EIPs in each region.
AddressQuotaLimitExceeded.DailyAllocate	The maximum number of requests is reached. The maximum number of requests made by a Tencent Cloud account per day in each region equals to two times the quota.
FailedOperation.TaskFailed	Task execution failed.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidInstance.NotSupported	This instance is not supported.

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InvalidInstanceId.AlreadyBindEip	The specified instance has already been bound to an EIP. You must unbind the current EIP first before binding another EIP.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidParameterValue.InstanceHasNoWanIP	The instance does not have a public IP.
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.InstanceNoWanIP	Request failed: this instance does not have a WanIP (public IP).
InvalidParameterValue.InvalidInstanceState	Operation failed: the status of the instance does not allow this operation.
LimitExceeded.MonthlyAddressRecoveryQuota	Ran out of the monthly quota of chances to retrieve IPs.
OperationDenied.AddressInArrears	The specified public IP is isolated.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.

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ModifyAddressesRenewFlag

Last updated：2024-11-25 20:05:38

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the renewal flag for the monthly subscription EIP.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAddressesRenewFlag.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressIds.N	Yes	Array of String	List of unique EIP IDs, for example, eip-xxxx.
RenewFlag	Yes	String	Auto-renewal flag. • NOTIFY_AND_AUTO_RENEW: Notify upon expiration and automatically renew. • NOTIFY_AND_MANUAL_RENEW: Notify upon expiration but do not automatically renew.

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			• DISABLE_NOTIFY_AND_MANUAL_RENEW: Do not notify upon expiration and do not automatically renew. If this parameter is set to NOTIFY_AND_AUTO_RENEW and the account balance is sufficient, the instance will be automatically renewed on a monthly basis after expiration.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the Renewal Flag for the Monthly Subscription EIP

Adjusting the Renewal Flag for the Monthly Subscription EIP

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyAddressesRenewFlag
&AddressIds.0=eip-cpfph9t4
&RenewFlag=NOTIFY_AND_MANUAL_RENEW
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "c89a8c84-6943-45ad-9342-36f599d77754"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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Elastic IPv6 APIs
DescribeIp6Addresses

Last updated：2025-02-18 10:40:30

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the detailed information on one or multiple classic elastic public IPv6 instances.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeIp6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Ip6AddressIds.N	No	Array of String	List of unique IDs that identify IPv6 instances. The unique ID of an IPv6 instance is in the format of `eip-11112222` . Parameters `Ip6AddressIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of	Each request can have up to 10 `Filters` values and 100 `Filter.Values` values. Parameters `AddressIds` and

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		Filter	`Filters` cannot be specified at the same time. The specific filter conditions are as follows: • address-ip - String - Required: No - (Filter condition) Filter by the IP address of IPv6 instances. • network-interface-id - String - Required: No - (Filter condition) Filter by the unique ID of ENIs.
Offset	No	Integer	Offset. Default value: 0. For more information on `Offset`, see the relevant section in the API overview.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100. For more information on `Limit`, see the relevant section in the API overview.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of IPv6 meeting conditions.
AddressSet	Array of Address	IPv6 detailed information list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Query IPv6 information based on the filter

Query IPv6 information based on the filter

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeIp6Addresses
<Common request parameters>
```

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```
{
"Filters": [
{
"Values": [
"2402:4e00:1000:2d00:0:8f3f:6:9895"
],
"Name": "address-ip"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"AddressSet": [
{
"AddressId": "eip-lrhy2lpe",
"AddressName": "demo",
"AddressStatus": "BIND",
"AddressIp": "2402:4e00:1000:2d00:0:8f3f:6:9895",
"InstanceId": "ins-0cu6wix4",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"NetworkInterfaceId": "eni-85sohtb7",
"PrivateAddressIp": "2402:4e00:1000:2d00:0:8f3f:6:9895",
"IsArrears": true,
"IsBlocked": true,
"IsEipDirectConnection": true,
"AddressType": "EIP6",
"CascadeRelease": true,
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"InternetServiceProvider": "BGP",
"LocalBgp": true,
"Bandwidth": 1,
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR",
"TagSet": [
{
"Key": "role",
"Value": "developer"
}
],
"DeadlineDate": "2020-09-22",
```

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```
"InstanceType": "CVM",
"Egress": "center_egress1"
}
],
"RequestId": "64b212c4-d541-44c3-80ff-1131967a77c5"
}
}
```

Example2 Query IPv6 information based on Ip6AddressIds

Query IPv6 information based on Ip6AddressIds

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeIp6Addresses
<Common request parameters>

{
"Ip6AddressIds": [
"eip-lrhy2lpe"
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"AddressSet": [
{
"AddressId": "eip-lrhy2lpe",
"AddressName": "demo",
"AddressStatus": "BIND",
"AddressIp": "2402:4e00:1000:2d00:0:8f3f:6:9895",
"InstanceId": "ins-0cu6wix4",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"NetworkInterfaceId": "eni-85sohtb7",
"PrivateAddressIp": "2402:4e00:1000:2d00:0:8f3f:6:9895",
"IsArrears": true,
"IsBlocked": true,
"IsEipDirectConnection": true,
"AddressType": "EIP6",
"CascadeRelease": true,
```

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```
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"InternetServiceProvider": "BGP",
"LocalBgp": true,
"Bandwidth": 1,
"InternetChargeType": "TRAFFIC_POSTPAID_BY_HOUR",
"TagSet": [
{
"Key": "role",
"Value": "developer"
}
],
"DeadlineDate": "2020-09-22",
"InstanceType": "CVM",
"Egress": "center_egress1"
}
],
"RequestId": "64b212c4-d541-44c3-80ff-1131967a77c5"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIpNotPublic	This IPv6 address is not published.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NetworkInterfaceIdMalformed	Incorrect network interface ID.

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AllocateIp6AddressesBandwidth

Last updated：2025-02-18 10:40:33

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to allocate IPv6 public network bandwidth for classic elastic public IPv6 addresses.

- Classic elastic public IPv6 addresses only have the private network communication capability by default. They can have the IPv6 public network communication capability and be displayed in the list of Classic Elastic Public IPv6 only after IPv6 public network bandwidth is allocated in the console or by calling this API.
- You can allocate public network bandwidth for one or multiple Classic elastic public IPv6 addresses each time.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AllocateIp6AddressesBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Ip6Addresses.N	Yes	Array of String	IPv6 addresses that require the public network access capability.

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InternetMaxBandwidthOut	No	Integer	Bandwidth, in Mbps. The default value is 1 Mbps.
InternetChargeType	No	String	Network billing mode. IPv6 addresses currently support "TRAFFIC_POSTPAID_BY_HOUR" and "BANDWIDTH_PACKAGE". The default network billing mode is "TRAFFIC_POSTPAID_BY_HOUR".
BandwidthPackageId	No	String	Bandwidth package ID. This ID is required for standard accounts to add the IPv6 addresses to the bandwidth package, thus using the billing mode.
Tags.N	No	Array of Tag	List of tags to be associated.

3. Output Parameters

Parameter Name	Type	Description
AddressSet	Array of String	List of unique IDs of Classic elastic Public IPv6 instances.
TaskId	String	Asynchronous task ID. You can call the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Specify one or multiple IPv6 addresses to enable public network access capability

Specify one or multiple IPv6 addresses to enable public network access capability

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AllocateIp6AddressesBandwidth
<Common request parameters>
```

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```
{
"Ip6Addresses": [
"2402:4e00:1000:200:0:8d8a:60b7:87f8"
],
"InternetMaxBandwidthOut": 1
}
```

Output Example

```
{
"Response": {
"AddressSet": [
"eip-68dqs5ri"
],
"TaskId": "194395704",
"RequestId": "283a29bf-982d-4d55-984a-0d464f61f9ae"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.BalanceInsufficient	Insufficient account balance.
FailedOperation.TaskFailed	Task execution failed.
InternalServerError	Internal error.
InvalidAccount.NotSupported	This account is not supported.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue.AddressIpNotFound	IP address not found.
InvalidParameterValue.AddressIpNotInVpc	The IP address does not exist in the VPC.
InvalidParameterValue.AddressPublished	This IPv6 address has already been published.
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.InvalidIpv6	Invalid IPv6 addresses.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.

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ModifyIp6AddressesBandwidth

Last updated：2025-02-18 10:40:25

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the bandwidth limit of a classic elastic public IPv6 instance.

- You can adjust the bandwidth limit of only classic elastic public IPv6 instances.
- To adjust the bandwidth limit of an elastic public IPv6 instance, call the ModifyIPv6AddressesBandwidth API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyIp6AddressesBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
InternetMaxBandwidthOut	Yes	Integer	Modified target bandwidth, in Mbps.
Ip6Addresses.N	No	Array of String	IPv6 addresses. Both Ip6Addresses and Ip6AddressId are required, but they cannot be specified at the same time.

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Ip6AddressIds.N	No	Array of String	Unique IDs corresponding to the IPv6 addresses. Format: eip-xxxxxxxx. Both Ip6Addresses and Ip6AddressId are required, but they cannot be specified at the same time.

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	Task ID.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the Bandwidth Limit of a Traditional Elastic IPv6 Address

This example shows you how to modify the bandwidth limit of a specified traditional elastic IPv6 address.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyIp6AddressesBandwidth
<Common request parameters>

{
"Ip6Addresses": [
"2402:4e00:1000:200:0:8d8a:60b7:87f8"
],
"InternetMaxBandwidthOut": 50
}
```

Output Example

```
{
"Response": {
"TaskId": "12579795",
```

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```
"RequestId": "61b49567-8cbf-4523-8f25-7a2c9da23ddb"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidAddressIdState.InArrears	The specified EIP is in arrears.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.

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InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.InvalidIpv6	Invalid IPv6 addresses.
InvalidParameterValue.Malformed	Invalid input parameter format.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
UnsupportedOperation.AddressIpInArrear	This operation is not supported because the account is in arrears.
UnsupportedOperation.AddressIpInternetChargeTypeNotPermit	IP addresses in this billing mode does not support this operation.
UnsupportedOperation.AddressIpNotSupportInstance	The IP address bound with this instance does not support this operation
UnsupportedOperation.AddressIpStatusNotPermit	The IP address status does not support this operation.

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ReleaseIp6AddressesBandwidth

Last updated：2025-02-18 10:40:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to release the IPv6 public network bandwidth of classic elastic public IPv6 instances.

- Classic elastic public IPv6 addresses still have the IPv6 private network communication capability after the public network bandwidth is released.
- To allocate IPV6 public network bandwidth, call the AllocateIp6AddressesBandwidth API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReleaseIp6AddressesBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Ip6Addresses.N	No	Array of String	IPv6 addresses. Both Ip6Addresses and Ip6AddressIds are required, but they cannot be specified at the same time.
Ip6AddressIds.N	No	Array	Unique IDs corresponding to the IPv6 addresses. Format: eip-

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		of String	xxxxxxxx. Both Ip6Addresses and Ip6AddressIds are required, but they cannot be specified at the same time.

3. Output Parameters

Parameter Name	Type	Description
TaskId	String	Asynchronous task ID. You can call the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disable the bandwidth of classic elastic public IPv6 based on the instance ID

The input parameter Ip6AddressIds is required.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReleaseIp6AddressesBandwidth
<Common request parameters>

{
"Ip6AddressIds": [
"eip-31g37kea"
]
}
```

Output Example

```
{
"Response": {
"TaskId": "12579789",
"RequestId": "fe6aa94a-2a74-41d8-9570-337a575443fe"
```

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```
}
}
```

Example2 Disable the bandwidth of classic elastic public IPv6 based on the IPv6 Addresses

The input parameter Ip6Addresses is required.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReleaseIp6AddressesBandwidth
<Common request parameters>

{
"Ip6Addresses": [
"2402:4e00:1000:200:0:8d8a:60b7:87f8"
]
}
```

Output Example

```
{
"Response": {
"TaskId": "12579786",
"RequestId": "3287c8ef-2bfb-4ae7-8874-f3628c0344b1"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.TaskFailed	Task execution failed.
InternalServerError	Internal error.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
InvalidParameterValue.InvalidIpv6	Invalid IPv6 addresses.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.

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ReleaseIPv6Addresses

Last updated：2025-02-18 10:40:24

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to release one or more EIPv6 instances.

- You can release the obtained EIPv6 instances. To use them again, please reapply.
- Only EIPv6 instances in UNBIND status can be released.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReleaseIPv6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
IPv6AddressIds.N	Yes	Array of String	Unique ID of the IPv6 address.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Releasing an EIPv6

This example shows you how to release an EIPv6.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReleaseIPv6Addresses
<Common request parameters>

{
"IPv6AddressIds": [
"eipv6-xkcjvisl"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "431f1a1a-7612-43ec-887c-85da46b15774"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
OperationDenied.AddressInArrears	The specified public IP is isolated.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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ModifyIPv6AddressesBandwidth

Last updated：2025-02-18 10:40:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the bandwidth cap of an EIPv6 instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyIPv6AddressesBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
IPv6AddressIds.N	Yes	Array of String	Unique ID of the EIPv6 address
InternetMaxBandwidthOut	Yes	Integer	Network bandwidth of the EIPv6 address

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the Bandwidth of EIPv6 Addresses in Batches

This example shows you how to modify the bandwidth of EIPv6 addresses in batches.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyIPv6AddressesBandwidth
<Common request parameters>

{
"IPv6AddressIds": [
"eipv6-2ucdpy9t",
"eipv6-3lxpc6sh"
],
"InternetMaxBandwidthOut": 20
}
```

Output Example

```
{
"Response": {
"RequestId": "a6661e38-e981-4369-af26-b6f1a7e21a1d"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
OperationDenied.AddressInArrears	The specified public IP is isolated.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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ModifyIPv6AddressesAttributes

Last updated：2025-02-18 10:40:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the name of an EIPv6 instance.

- You can modify the name of both EIPv6 and traditional EIPv6 instances.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyIPv6AddressesAttributes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
IPv6AddressIds.N	Yes	Array of String	List of unique IDs of EIPv6.
IPv6AddressName	No	String	Name of the EIPv6 address

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the Names of EIPv6 Addresses in Batches

This example shows you how to modify the names of EIPv6 addresses in batches.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyIPv6AddressesAttributes
<Common request parameters>

{
"IPv6AddressIds": [
"eipv6-2ucdpy9t",
"eipv6-3lxpc6sh"
],
"IPv6AddressName": "test"
}
```

Output Example

```
{
"Response": {
"RequestId": "a75d9b1a-0640-43a2-837b-6334247e9fbc"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
MissingParameter.MultiMissingParameter	Multiple parameters missing
OperationDenied.AddressInArrears	The specified public IP is isolated.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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DisassociateIPv6Address

Last updated：2025-02-18 10:40:29

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind an EIPv6 instance.

- You can unbind EIPv6 instances bound to Cloud Virtual Machine (CVM) or Elastic Network Interface (ENI).
- Only EIPv6 instances in BIND or BIND_ENI status can be unbound.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateIPv6Address.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
IPv6AddressId	Yes	String	Indicates the unique ID of the EIPv6, such as eipv6-11112222.
KeepBindWithEni	No	Boolean	Indicates whether to keep the ENI bound when unbinding.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding an EIPv6

This example shows you how to unbind an EIPv6.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DisassociateIPv6Addresses
<Common request parameters>

{
"IPv6AddressId": "eipv6-or8cse19"
}
```

Output Example

```
{
"Response": {
"RequestId": "631011dd-6dfa-41b5-be7c-47bd61d82978"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.AddressEniInfoNotFound	The ENI information is not available in this address.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
OperationDenied.AddressInArrears	The specified public IP is isolated.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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DescribeIPv6Addresses

Last updated：2025-02-18 10:40:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query detailed information of one or more EIPv6 instances.

- You can query EIPv6 and traditional EIPv6 instance information in a specified region.
- The system returns a certain number (as specified by the Limit, the default value is 20) of EIPv6 instances of the current user if the parameter is empty.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeIPv6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
IPv6AddressIds.N	No	Array of String	Unique ID column identifying IPv6. - Unique ID of the traditional EIPv6, such as `eip-11112222` - Unique ID of the EIPv6, such as `eipv6-11112222`

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			Note: `IPv6AddressIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	Each request can have up to 10 `Filters` and 100 `Filter.Values` . `IPv6AddressIds` and `Filters` cannot be specified at the same time. The detailed filter conditions are as follows: - address-id - String - Required: No - (Filter condition) Filter by the unique ID of the EIPv6. - public-ipv6-address - String - Required: No - (Filter condition) Filter by the public IPv6 address. - network-interface-id - String - Required: No - (Filter condition) Filter by the unique ID of the ENI. - instance-id - String - Required: No - (Filter condition) Filter by the unique ID of the bound instance. - charge-type - String - Required: No - (Filter condition) Filter by the billing type. - private-ipv6-address - String - Required: No - (Filter condition) Filter by the bound private IPv6 address. - egress - String - Required: No - (Filter condition) Filter by the egress. - address-type - String - Required: No - (Filter condition) Filter by the IPv6 type. Valid values: 'EIP6', 'EIPv6', 'WanIPv6', and 'HighQualityEIPv6'. Default: 'EIPv6'. - address-isp - String - Required: No - (Filter condition) Filter by the ISP type. Valid values: 'BGP', 'CMCC', 'CUCC', and 'CTCC'. - address-status - String - Required: No - (Filter condition) Filter by the EIP status. Valid values: 'CREATING', 'BINDING', 'BIND', 'UNBINDING', 'UNBIND', 'OFFLINING', 'BIND_ENI', and 'PRIVATE'. - address-name - String - Required: No - (Filter condition) Filter by the EIP name. Fuzzy filtering is not supported. - tag-key - String - Required: No - (Filter condition) Filter by the tag key. - tag-value - String - Required: No - (Filter condition) Filter by the tag value. - tag:tag-key - String - Required: No - (Filter condition) Filter by the tag-key - value pair. Replace tag-key with a specific tag key.
Traditional	No	Boolean	Indicates whether to query the traditional IPv6 address information.
Offset	No	Integer	Offset. Default: 0. For more information on Offset, see the relevant section in the API Overview.

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Limit	No	Integer	Number of returned results. Default: 20. Maximum: 100. For more information on Limit, see the relevant section in the API Overview.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Number of IPv6 meeting conditions.
AddressSet	Array of Address	IPv6 detailed information list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the IPv6 Information Based on IPv6AddressIds

This example shows you how to query the IPv6 information based on IPv6AddressIds.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeIPv6Addresses
<Common request parameters>

{
"IPv6AddressIds": [
"eipv6-11112222"
]
}
```

Output Example

```
{
"Response": {
```

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```
"TotalCount": 0,
"AddressSet": [
{
"AddressId": "eipv6-11112222",
"AddressName": "abc",
"AddressStatus": "abc",
"AddressIp": "abc",
"InstanceId": "abc",
"CreatedTime": "2020-09-22T00:00:00+00:00",
"NetworkInterfaceId": "abc",
"PrivateAddressIp": "abc",
"IsArrears": true,
"IsBlocked": true,
"IsEipDirectConnection": true,
"AddressType": "abc",
"CascadeRelease": true,
"EipAlgType": {
"Ftp": true,
"Sip": true
},
"InternetServiceProvider": "abc",
"LocalBgp": true,
"Bandwidth": 1,
"InternetChargeType": "abc",
"TagSet": [
{
"Key": "abc",
"Value": "abc"
}
],
"DeadlineDate": "2020-09-22",
"InstanceType": "abc",
"Egress": "abc"
}
],
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.

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AssociateIPv6Address

Last updated：2025-02-18 10:40:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to bind an EIPv6 instance to the private IPv6 address configured on the CVM or ENI.

- Binding an EIPv6 to the CVM essentially indicates binding the EIPv6 to the private IPv6 address configured on the ENI of the CVM.
- Before binding an EIPv6 to the private IPv6 of a specified ENI, ensure that the private IPv6 address is unbound before the binding operation is performed.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateIPv6Address.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
IPv6AddressId	Yes	String	Unique ID of the EIPv6, such as eipv6-11112222.
NetworkInterfaceId	No	String	ID of the ENI to be bound, such as eni-11112222. NetworkInterfaceId and InstanceId cannot be specified at the same time. The ENI ID can be queried by logging in to the

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			console or obtained from the networkInterfaceId field in the returned value of the DescribeNetworkInterfaces API.
PrivateIPv6Address	No	String	Private IPv6 to be bound. If NetworkInterfaceId is specified, PrivateIPv6Address must also be specified, which indicates that the EIP will be bound to the specified private IPv6 of the specified ENI. At the same time, it shall be ensured that the specified PrivateIPv6Address is a private IPv6 on the specified NetworkInterfaceId. The specified ENI's private IPv6 can be queried by logging in to the console or obtained from the Ipv6AddressSet.Address field in the returned value of the DescribeNetworkInterfaces API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Binding an EIPv6 to the ENI

This example shows you how to bind an EIPv6 to the ENI.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssociateIPv6Address
<Common request parameters>

{
"IPv6AddressId": "eipv6-3lxpc6sh",
"NetworkInterfaceId": "eni-0c454zph",
"PrivateIPv6Address": "fc00:200:300:700:0:9c64:2c95:b711"
}
```

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Output Example

```
{
"Response": {
"RequestId": "631011dd-6dfa-41b5-be7c-47bd61d82978"
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterConflict	The two parameters cannot be specified at the same time, nor exist concurrently. EIP can only be bound to the instances or the specified private IPs of the specified ENIs.

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InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressIpNotFound	IP address not found.
InvalidParameterValue.AddressNotApplicable	An EIP cannot be bound with this type of instance.
InvalidParameterValue.MissingAssociateEntity	The bound instance is missing.
InvalidParameterValue.NetworkInterfaceInstanceNotSupport	The instance bound to the ENI does not support binding the EIPv6.
InvalidParameterValue.NetworkInterfaceNotFound	The network interface ID was not found. The private IP address may not be configured on the network interface.
InvalidPrivateIpAddress.AlreadyBindEip	The specified private IP of the specified ENI has already been bound to an EIP. A private IP cannot be bound to more than one EIP.
MissingParameter	Missing parameter.
OperationDenied.AddressInArrears	The specified public IP is isolated.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.

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AllocateIPv6Addresses

Last updated：2025-02-18 10:40:34

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to apply for one or more Elastic IPv6 (EIPv6) instances.

- EIPv6 is a fixed public IPv6 address that can be independently applied for and held in a Tencent Cloud region, providing a consistent product experience with Elastic IPv4.
- You can quickly bind an EIPv6 instance to the private IPv6 address of a cloud resource, so as to quickly enable IPv6 public bandwidth for the cloud resource.
- You can also bind an EIPv6 instance to other cloud resources as needed, so as to shield instance failures.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AllocateIPv6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressName	No	String	EIPv6 name, which is the custom EIPv6 name given by the user when the user applies for the EIPv6. Default: not

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			named.
AddressType	No	String	Indicates the type of EIPv6. Valid values: - EIPv6: common IPv6 - HighQualityEIPv6: dedicated IPv6 Note: Contact the product team to enable the dedicated IPv6 allowlist. The dedicated IPv6 is only supported in some regions. Default: EIPv6.
AddressCount	No	Integer	Number of applied EIPv6 addresses. Default: 1.
InternetChargeType	No	String	Indicates the billing method of EIPv6. Valid values: - BANDWIDTH_PACKAGE: billed by Bandwidth Package - TRAFFIC_POSTPAID_BY_HOUR: postpaid by traffic on an hourly basis Default: TRAFFIC_POSTPAID_BY_HOUR.
InternetServiceProvider	No	String	Indicates the type of EIPv6 line. Default: BGP. For a user who has enabled the static single-line IP allowlist, valid values include: - CMCC: China Mobile - CTCC: China Telecom - CUCC: China Unicom Note: The static single-line IP is only supported in some regions.
InternetMaxBandwidthOut	No	Integer	EIPv6 bandwidth cap, in Mbps. Valid values depend on the EIP billing method: - BANDWIDTH_PACKAGE: 1 Mbps to 2000 Mbps - TRAFFIC_POSTPAID_BY_HOUR: 1 Mbps to 100 Mbps Default: 1 Mbps.
BandwidthPackageId	No	String	Unique ID of the bandwidth package. Setting this parameter and having InternetChargeType as BANDWIDTH_PACKAGE indicate that the created

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			EIP will join this BGP bandwidth package and the billing method of bandwidth package will be adopted.
Tags.N	No	Array of Tag	List of tags to be associated.
Egress	No	String	EIPv6 network egress. Valid values: - CENTER_EGRESS_1: Central egress point 1 - CENTER_EGRESS_2: Central egress point 2 - CENTER_EGRESS_3: Central egress point 3 Note: The network egress for different Internet Service Providers (ISPs) or resource types requires contacting the product team for enablement. Default: CENTER_EGRESS_1.

3. Output Parameters

Parameter Name	Type	Description
AddressSet	Array of String	List of unique IDs of applied EIPv6 addresses.
TaskId	String	Async task ID. You can use the DescribeTaskResult API to query the task status.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Applying for a Regular BGP IPv6 Address Billed by Hourly Traffic

This example shows you how to apply for a regular BGP IPv6 address billed by hourly traffic.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
```

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```
Content-Type: application/json
X-TC-Action: AllocateIPv6Addresses
<Common request parameters>

{
"AddressCount": 1
}
```

Output Example

```
{
"Response": {
"AddressSet": [
"eipv6-m44ku5d2"
],
"TaskId": "61531421",
"RequestId": "6EF60BEC-0242-43AF-BB20-270359FB54A7"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterConflict	The two parameters cannot be specified at the same time, nor exist concurrently. EIP can only be bound to the instances or the specified private IPs of the specified ENIs.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.BandwidthTooSmall	The selected bandwidth is smaller than the minimum permissible range.
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.UnavailableZone	This availability zone is unavailable.
LimitExceeded.BandwidthPackageResourceQuota	Number of resources added to this bandwidth package reached the upper limit.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation.AccountNotSupported	This account is not supported.

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Highly Available Virtual IP APIs
CreateHaVip

Last updated：2024-11-25 20:09:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a highly available virtual IP (HAVIP).

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateHaVip.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the VPC to which the `HAVIP` belongs.
HaVipName	Yes	String	The name of the `HAVIP` .
SubnetId	No	String	The `ID` of the subnet to which the `HAVIP` belongs.
Vip	No	String	The specified virtual IP address, which must be within the IP range of the `VPC` and not in use. It will be automatically assigned if not specified.

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NetworkInterfaceId	No	String	The ID of the ENI associated with the HAVIP.

3. Output Parameters

Parameter Name	Type	Description
HaVip	HaVip	`HAVIP` object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a HAVIP

This example shows you how to create an HAVIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateHaVip
<Common request parameters>

{
"SubnetId": "subnet-qq51iwr4",
"Vip": "10.4.6.15",
"VpcId": "vpc-6v2ht8q5",
"HaVipName": "test+name"
}
```

Output Example

```
{
"Response": {
"HaVip": {
"HaVipId": "havip-72alakye",
"HaVipName": "test name",
"Vip": "10.4.6.15",
```

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```
"VpcId": "vpc-6v2ht8q5",
"SubnetId": "subnet-qq51iwr4",
"NetworkInterfaceId": "",
"InstanceId": "",
"AddressIp": "",
"State": "UNBIND",
"CreatedTime": "2018-10-10 17:03:09",
"Business": "SCF"
},
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.

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InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.InvalidBusiness	The parameter value does not exist or is not supported.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceInUse	The resource is occupied.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.SubnetNotExists	The subnet does not exist.

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DeleteHaVip

Last updated：2024-11-25 20:09:01

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete an HAVIP.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteHaVip.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
HaVipId	Yes	String	The unique `ID` of the `HAVIP`, such as `havip-9o233uri`.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a HAVIP

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteHaVip
&HaVipId=havip-9o233uri
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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HaVipAssociateAddressIp

Last updated：2024-11-25 20:08:59

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to bind an EIP to an HAVIP.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: HaVipAssociateAddressIp.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
HaVipId	Yes	String	The unique `ID` of the `HAVIP`, such as `havip-9o233uri`. This must be a `HAVIP` that has not been bound to an `EIP`
AddressIp	Yes	String	The Elastic `IP`. This must be an `EIP` that has not been bound to a `HAVIP`

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Binding an EIP to an HAVIP

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: HaVipAssociateAddressIp
<Common request parameters>

{
"AddressIp": "119.29.93.218",
"HaVipId": "havip-9o233uri"
}
```

Output Example

```
{
"Response": {
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.BindEIP	EIP has already been bound.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.UnsupportedBindLocalZoneEIP	Binding the EIPs specified in `LocalZone` is not supported.

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HaVipDisassociateAddressIp

Last updated：2024-11-25 20:08:58

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind an EIP from an HAVIP.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: HaVipDisassociateAddressIp.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
HaVipId	Yes	String	The unique `ID` of the `HAVIP`, such as `havip-9o233uri`. This must be an `HAVIP` that has been bound to an `EIP`.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding an EIP from an HAVIP

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=HaVipDisassociateAddressIp
&HaVipId=havip-9o233uri
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.UnbindEIP	EIP is not bound.

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ModifyHaVipAttribute

Last updated：2024-11-25 20:08:56

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyHaVipAttribute) is used to modify HAVIP attributes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyHaVipAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
HaVipId	Yes	String	The unique `ID` of the `HAVIP`, such as `havip-9o233uri`.
HaVipName	Yes	String	`HAVIP` can be named freely, but the maximum length is 60 characters.

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the HAVIP name

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyHaVipAttribute
&HaVipId=havip-9o233uri
&HaVipName=new+name
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeHaVips

Last updated：2024-11-25 20:09:00

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeHaVips) is used to query the list of highly available virtual IPs (HAVIP).

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeHaVips.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
HaVipIds.N	No	Array of String	The unique `ID` of the `HAVIP`, such as `havip-9o233uri`.
Filters.N	No	Array of Filter	Filter condition. `HaVipIds` and `Filters` cannot be specified at the same time. li>havip-id - String - The unique ID of the HAVIP, such as `havip-9o233uri`. • havip-name - String - HAVIP name. • vpc-id - String - VPC ID of the HAVIP. • subnet-id - String - Subnet ID of the HAVIP.

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			• vip - String - Virtual IP address of the HAVIP. • address-ip - String - Bound EIP.
Offset	No	Integer	Offset
Limit	No	Integer	The returned quantity

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
HaVipSet	Array of HaVip	`HAVIP` object array.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the HAVIP details by IDs

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeHaVips
&HaVipIds.0=havip-bk4275i0
&HaVipIds.1=havip-2kce8v4q
&<Common request parameters>
```

Output Example

```
{
"Response": {
"HaVipSet": [
{
"HaVipId": "havip-2kce8v4q",
"HaVipName": "tadfafd",
"Vip": "10.3.3.15",
```

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```
"VpcId": "vpc-o31qeah3",
"SubnetId": "subnet-8qywqc4y",
"NetworkInterfaceId": "",
"InstanceId": "",
"AddressIp": "",
"Business": "",
"State": "UNBOUND",
"CreatedTime": "2018-04-03 20:00:05"
},
{
"HaVipId": "havip-bk4275i0",
"HaVipName": "22",
"Vip": "10.2.0.14",
"VpcId": "vpc-2mcdauzl",
"SubnetId": "subnet-mnmm19fg",
"NetworkInterfaceId": "",
"InstanceId": "",
"AddressIp": "",
"Business": "",
"State": "UNBOUND",
"CreatedTime": "2018-04-03 20:05:33"
}
],
"TotalCount": 2,
"RequestId": "1c827bf1-837f-4302-b51a-4d538b7ad249"
}
}
```


Example2 Querying the HAVIP details by multiple conditions

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeHaVips
&Filters.0.Name=havip-name
&Filters.0.Values.0=test
&Filters.1.Name=vpc-id
&Filters.1.Values.0=vpc-6v2ht8q5
&<Common request parameters>
```

Output Example


```
{
"Response": {
"HaVipSet": [
{
```


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```
"HaVipId": "havip-iyy1ykky",
"HaVipName": "test modify",
"Vip": "10.4.6.17",
"VpcId": "vpc-6v2ht8q5",
"SubnetId": "subnet-qq51iwr4",
"NetworkInterfaceId": "",
"InstanceId": "",
"AddressIp": "",
"Business": "",
"State": "UNBOUND",
"CreatedTime": "2018-10-09 18:08:16"
}
],
"TotalCount": 1,
"RequestId": "659cd6a3-a75a-473c-8280-af27c33da8bd"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

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Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.

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ENI APIs
AssignIpv6Addresses

Last updated：2024-11-25 20:09:24

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to apply for an IPv6 address for the ENI.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

- The number of IPs bound with an ENI is limited. For more information, see ENI Use Limits.
- You can apply for a specified IPv6 address. Currently, the IPv6 address can only be used as a secondary IP, instead of the primary IP.
- The address must be an idle IP in the subnet to which the ENI belongs.
- When applying for one or more secondary IPv6 addresses for an ENI, the API will return the specified number of secondary IPv6 addresses in the subnet range where the ENI is located.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssignIpv6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-

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			12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The `ID` of the ENI instance, such as `eni-m6dyj72l`.
Ipv6Addresses.N	No	Array of Ipv6Address	A list of `IPv6` addresses. You can specify a maximum of 10 at one time. The quota is calculated together with that of `Ipv6AddressCount`, a required input parameter alternative to this one.
Ipv6AddressCount	No	Integer	The number of automatically assigned `IPv6` addresses. The total number of private IP addresses cannot exceed the quota. The quota is calculated together with that of `Ipv6Addresses`, a required input parameter alternative to this one.

3. Output Parameters

Parameter Name	Type	Description
Ipv6AddressSet	Array of Ipv6Address	The list of `IPv6` addresses assigned to ENIs.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Applying for specified IPv6 addresses

This example shows you how to apply for specified IPv6 addresses for an ENI.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
```

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```
Content-Type: application/json
X-TC-Action: AssignIpv6Addresses
<Common request parameters>

{
"Ipv6Addresses": [
{
"Description": "test2",
"Primary": "false",
"Address": "3402:4e00:20:1202::2"
},
{
"Description": "test1",
"Primary": "false",
"Address": "3402:4e00:20:1202::1"
}
],
"NetworkInterfaceId": "eni-5u5biujl"
}
```

Output Example

```
{
"Response": {
"Ipv6AddressSet": [
{
"Address": "3402:4e00:20:1202::1",
"AddressId": "",
"Primary": false,
"Description": "test1",
"IsWanIpBlocked": false,
"State": "PENDING"
},
{
"Address": "3402:4e00:20:1202::2",
"AddressId": "",
"Primary": false,
"Description": "test2",
"IsWanIpBlocked": false,
"State": "PENDING"
}
],
"RequestId": "4a8d6fc0-bc48-4394-b1f7-2818a217359a"
}
}
```

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Example2 Applying for a specified number of IPv6 addresses

This example shows you how to apply for a specified number of IPv6 addresses.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssignIpv6Addresses
<Common request parameters>

{
"NetworkInterfaceId": "eni-5u5biujl",
"Ipv6AddressCount": 2
}
```

Output Example

```
{
"Response": {
"Ipv6AddressSet": [
{
"Address": "3402:4e00:20:1202:0:8d05:c272:f514",
"AddressId": "",
"Primary": false,
"Description": "",
"IsWanIpBlocked": false,
"State": "PENDING"
},
{
"Address": "3402:4e00:20:1202:0:8d05:c272:f559",
"AddressId": "",
"Primary": false,
"Description": "",
"IsWanIpBlocked": false,
"State": "PENDING"
}
],
"RequestId": "4a8d6fc0-bc48-4394-b1f7-2818a217359a"
}
}
```

5. Developer Resources

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SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
LimitExceeded	Quota limit is reached.
LimitExceeded.ActionLimited	Too often API invocations
LimitExceeded.Address	The number of assigned IP addresses has reached the upper limit.
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.

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ResourceInUse.Address	The specified IP address is already in use.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.UnassignCidrBlock	IPv6 IP range is not assigned.

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AssignPrivateIpAddresses

Last updated：2024-11-25 20:05:34

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to apply for private IPs for an ENI.

- An ENI can only be bound with a limited number of IP addresses. For more information about resource limits, see ENI Use Limits.
- You can apply for a specified private IP. It cannot be a primary IP because the primary IP already exists and cannot be modified. The private IP address must be an idle IP in the subnet to which the ENI belongs.
- You can apply for more than one secondary private IP on the ENI. The API will return the specified number of secondary private IPs in the subnet IP range.

> **Note：**
>
> This API is async. You can call the `DescribeVpcTaskResult` API to query the task result. When the task is completed, you can continue other tasks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value API: AssignPrivateIpAddres
Version	Yes	String	Common Params. The value

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			API: 2017-03-12.
Region	Yes	String	Common Params. For more please see the list of regions the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, s `m6dyj72l` .
PrivateIpAddresses.N	No	Array of PrivateIpAddressSpecification	The information on private IP which you can specify a max time. You should provide eith parameter or SecondaryPrivateIpAddress
SecondaryPrivateIpAddressCount	No	Integer	The number of newly-applie addresses. You should prov parameter or PrivateIpAddre The total number of private I cannot exceed the quota. Fo information, seeENI Use Lim
QosLevel	No	String	IP service level. It is used to `SecondaryPrivateIpA` Values: PT `(Gold)`, AU `(Silve` `(Bronze) and DEFAULT (De
ClientToken	No	String	

3. Output Parameters

Parameter Name	Type	Description
PrivateIpAddressSet	Array of PrivateIpAddressSpecification	The detailed information of the Private IP.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Applying for a private IP for an ENI

This example shows you how to apply for an ENI.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssignPrivateIpAddresses
<Common request parameters>

{
"NetworkInterfaceId": "eni-afo43z61",
"SecondaryPrivateIpAddressCount": "2"
}
```

Output Example

```
{
"Response": {
"PrivateIpAddressSet": [
{
"PrivateIpAddress": "172.16.32.237"
},
{
"PrivateIpAddress": "172.16.32.84"
}
],
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameterValue.DuplicatePara	The parameter value already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
LimitExceeded	Quota limit is reached.
LimitExceeded.ActionLimited	Too often API invocations
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.
ResourceInsufficient	Insufficient resources.
ResourceInsufficient.Subnet	The subnet does not have sufficient IPs.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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UnsupportedOperation.IdempotentParameterMismatch	
UnsupportedOperation.IdempotentProcessing	
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.ResourceMismatch	The resource ID entered does not match with any resource bound with the IP. Check and try again.

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AssociateNetworkInterfaceSecurityGroups

Last updated：2024-11-25 20:09:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (AssociateNetworkInterfaceSecurityGroups) is used to attach a security group to an ENI.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateNetworkInterfaceSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceIds.N	Yes	Array of String	ENI instance ID, e.g. eni-pxir56ns. You can enter up to 100 instances for each request.
SecurityGroupIds.N	Yes	Array of String	The security group instance ID, such as `sg-33ocnj9n`. It can be obtained through DescribeSecurityGroups. You can enter up to 100 instances for each request.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Associating an ENI with security groups.

This example shows you how to associate an ENI with security groups.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssociateNetworkInterfaceSecurityGroups
<Common request parameters>

{
"NetworkInterfaceIds": [
"eni-1a2b3c4d"
],
"SecurityGroupIds": [
"sg-1a2b3c4d"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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CreateAndAttachNetworkInterface

Last updated：2024-11-25 20:09:22

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create an ENI and bind it to a CVM.

- You can specify private IP addresses and a primary IP when creating an ENI. The specified private IP must be idle and in the same subnet as the ENI.
- When creating an ENI, you can specify the number of private IPs that you want to apply for. The system will randomly generate private IP addresses.
- The number of IPs bound with an ENI is limited. For more information, see ENI Use Limits.
- You can bind an existing security group when creating an ENI.
- You can bind a tag when creating an ENI. The tag list in the response indicates the tags that have been successfully added.

> **Note：**
>
> This API is async. You can call the `DescribeVpcTaskResult` API to query the task result. When the task is completed, you can continue other tasks.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value

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			API: CreateAndAttachNetwo
Version	Yes	String	Common Params. The value API: 2017-03-12.
Region	Yes	String	Common Params. For more please see the list of regions the product.
VpcId	Yes	String	The ID of the VPC instance. the parameter value from the in the returned result of the `DescribeVpcs` API.
NetworkInterfaceName	Yes	String	The name of the ENI. The m 60 bytes.
SubnetId	Yes	String	The subnet instance ID of th 'subnet-0ap8nwca'.
InstanceId	Yes	String	CVM instance ID.
PrivateIpAddresses.N	No	Array of PrivateIpAddressSpecification	The information of the specif You can specify a maximum time.
SecondaryPrivateIpAddressCount	No	Integer	The number of private IP ad apply for. The total number c addresses cannot exceed th
QosLevel	No	String	IP service level. It is used to `SecondaryPrivateIpA` Values: `PT` (Gold), `AU` (Bronze) and `DEFAULT` (D
SecurityGroupIds.N	No	Array of String	The security group to be bou ['sg-1dd51d'].
NetworkInterfaceDescription	No	String	The ENI description. You ca information within 60 charac
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "shanghai"}].
AttachType	No	Integer	ENI mounting type. Valid val (standard); `1` (extension); `0`

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ClientToken	No	String	

3. Output Parameters

Parameter Name	Type	Description
NetworkInterface	NetworkInterface	The ENI instance.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an ENI and binding it to a CVM

This example shows you how to create an ENI and bind it to a CVM.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateAndAttachNetworkInterface
<Common request parameters>

{
"VpcId": "vpc-0akbol5v",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
],
"InstanceId": "ins-12345678",
"PrivateIpAddresses": [
{
"Primary": "true",
"PrivateIpAddress": "172.16.64.13"
}
],
"SecurityGroupIds": [
```

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```
"sg-05bb4upy"
],
"NetworkInterfaceDescription": "TestDesc",
"SecondaryPrivateIpAddressCount": "1",
"SubnetId": "subnet-76r802pg",
"NetworkInterfaceName": "TestNIC"
}
```

Output Example

```
{
"Response": {
"NetworkInterface": {
"NetworkInterfaceId": "eni-irk5qhhl",
"VpcId": "vpc-0akbol5v",
"SubnetId": "subnet-76r802pg",
"NetworkInterfaceName": "TestNIC",
"NetworkInterfaceDescription": "TestDesc",
"MacAddress": "20:90:6F:62:33:E2",
"Business": "TKE",
"CdcId": "",
"EniType": 1,
"AttachType": 1,
"PrivateIpAddressSet": [
{
"PrivateIpAddress": "172.16.64.13",
"Primary": true,
"AddressId": "",
"PublicIpAddress": "",
"Description": "",
"IsWanIpBlocked": false,
"State": "PENDING"
}
],
"Attachment": {
"InstanceId": "ins-12345678"
},
"GroupSet": [],
"Primary": false,
"State": "PENDING",
"Zone": "",
"CreatedTime": "",
"Ipv6AddressSet": [],
"TagSet": [
{
"Key": "city",
```

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```
"Value": "shanghai"
}
]
},
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
ResourceInUse	The resource is occupied.
ResourceInsufficient	Insufficient resources.

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ResourceInsufficient.Subnet	The subnet does not have sufficient IPs.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.IdempotentParameterMismatch	
UnsupportedOperation.IdempotentProcessing	
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.ResourceMismatch	The resource ID entered does not match with any resource bound with the IP. Check and try again.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.
UnsupportedOperation.UnsupportedInstanceFamily	The specified instance type does not support ENIs.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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CreateNetworkInterface

Last updated：2024-11-25 20:05:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create an ENI.

- You can specify private IP addresses and a primary IP when creating an ENI. The specified private IP must be in the same subnet as the ENI and is not occupied.
- When creating an ENI, you can specify the number of private IP addresses that you want to apply for. The system will randomly generate private IP addresses.
- An ENI can only be bound with a limited number of IP addresses. For more information about resource limits, see ENI Use Limits.
- You can bind an existing security group when creating an ENI.
- You can bind a tag when creating an ENI. The tag list in the response indicates the tags that have been successfully added.

> **Note：**
>
> This API is async. You can call the `DescribeVpcTaskResult` API to query the task result. When the task is completed, you can continue other tasks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description

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Action	Yes	String	Common Params. The value API: CreateNetworkInterface
Version	Yes	String	Common Params. The value API: 2017-03-12.
Region	Yes	String	Common Params. For more please see the list of regions the product.
VpcId	Yes	String	The ID of the VPC instance. the parameter value from the the returned result of Describ
NetworkInterfaceName	Yes	String	The name of the ENI. The m 60 characters.
SubnetId	Yes	String	The subnet instance ID of th `subnet-0ap8nwca` .
NetworkInterfaceDescription	No	String	ENI description can be name maximum length is 60 chara
SecondaryPrivateIpAddressCount	No	Integer	The number of private IP ad apply for. The total number c addresses cannot exceed th
QosLevel	No	String	IP service level. It is used to `SecondaryPrivateIpA` Values: `PT` (Gold), `AU` (Bronze) and `DEFAULT` (D
SecurityGroupIds.N	No	Array of String	Specifies the security group with, such as ['sg-1dd51d'].
PrivateIpAddresses.N	No	Array of PrivateIpAddressSpecification	The information of the specif You can specify a maximum
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "shanghai"}].
TrunkingFlag	No	String	Configuration of the ENI trun values: `Enable` and `Di` value: `Disable` .
ClientToken	No	String	

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3. Output Parameters

Parameter Name	Type	Description
NetworkInterface	NetworkInterface	ENI instance.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an ENI

This example shows you how to create an ENI.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNetworkInterface
<Common request parameters>

{
"VpcId": "vpc-0akbol5v",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
],
"PrivateIpAddresses": [
{
"Primary": "true",
"PrivateIpAddress": "172.16.64.13"
}
],
"SecurityGroupIds": [
"sg-05bb4upy"
],
"NetworkInterfaceDescription": "TestDesc",
"SecondaryPrivateIpAddressCount": "1",
```

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```
"SubnetId": "subnet-76r802pg",
"NetworkInterfaceName": "TestNIC"
}
```

Output Example

```
{
"Response": {
"NetworkInterface": {
"NetworkInterfaceId": "abc",
"NetworkInterfaceName": "abc",
"NetworkInterfaceDescription": "abc",
"SubnetId": "abc",
"VpcId": "abc",
"GroupSet": [
"abc"
],
"Primary": true,
"MacAddress": "abc",
"State": "abc",
"PrivateIpAddressSet": [
{
"PrivateIpAddress": "abc",
"Primary": true,
"PublicIpAddress": "abc",
"AddressId": "abc",
"Description": "abc",
"IsWanIpBlocked": true,
"State": "abc",
"QosLevel": "abc"
}
],
"Attachment": {
"InstanceId": "abc",
"DeviceIndex": 1,
"InstanceAccountId": "abc",
"AttachTime": "abc"
},
"Zone": "abc",
"CreatedTime": "abc",
"Ipv6AddressSet": [
{
"Address": "abc",
"Primary": true,
"AddressId": "abc",
"Description": "abc",
```

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```
"IsWanIpBlocked": true,
"State": "abc"
}
],
"TagSet": [
{
"Key": "abc",
"Value": "abc"
}
],
"EniType": 1,
"Business": "abc",
"CdcId": "abc",
"AttachType": 1,
"ResourceId": "abc",
"QosLevel": "abc"
},
"RequestId": "abc"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.

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LimitExceeded	Quota limit is reached.
LimitExceeded.ActionLimited	Too often API invocations
LimitExceeded.NetworkInterfaceLimitExceeded	
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.
ResourceInsufficient	Insufficient resources.
ResourceInsufficient.Subnet	The subnet does not have sufficient IPs.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.IdempotentParameterMismatch	
UnsupportedOperation.IdempotentProcessing	
UnsupportedOperation.ResourceMismatch	The resource ID entered does not match with any resource bound with the IP. Check and try again.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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DescribeNetworkInterfaceLimit

Last updated：2024-11-25 20:09:21

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeNetworkInterfaceLimit) is used to query the ENI quota based on the ID of CVM instance or ENI. It returns the ENI quota to which the CVM instance can be bound and the IP address quota that can be allocated to the ENI.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNetworkInterfaceLimit.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
InstanceId	Yes	String	ID of a CVM instance or ENI to query

3. Output Parameters

Parameter Name	Type	Description

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EniQuantity	Integer	Quota of ENIs mounted to a CVM instance in a standard way
EniPrivateIpAddressQuantity	Integer	Quota of IP addresses that can be allocated to each standard-mounted ENI
ExtendEniQuantity	Integer	Quota of ENIs mounted to a CVM instance as an extension Note: this field may return `null`, indicating that no valid values can be obtained.
ExtendEniPrivateIpAddressQuantity	Integer	Quota of IP addresses that can be allocated to each extension-mounted ENI. Note: this field may return `null`, indicating that no valid values can be obtained.
SubEniQuantity	Integer	The quota of relayed ENIs Note: This field may return `null`, indicating that no valid values can be obtained.
SubEniPrivateIpAddressQuantity	Integer	The quota of IPs that can be assigned to each relayed ENI. Note: This field may return `null`, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the ENI quota by CVM instance ID

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNetworkInterfaceLimit
&InstanceId=ins-1991090i
&<common request parameters>
```

Output Example

```
{
"Response": {
"EniPrivateIpAddressQuantity": 10,
"ExtendEniPrivateIpAddressQuantity": 20,
```

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```
"ExtendEniQuantity": 0,
"RequestId": "01f14f34-e9ae-470d-a71b-e8616ad3fae1",
"EniQuantity": 2,
"SubEniQuantity": 0,
"SubEniPrivateIpAddressQuantity": 0
}
}
```

Example2 Querying the ENI quota by ENI ID

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNetworkInterfaceLimit
&InstanceId=eni-1991090i
&<common request parameters>
```

Output Example

```
{
"Response": {
"EniQuantity": 0,
"EniPrivateIpAddressQuantity": 10,
"ExtendEniQuantity": 0,
"ExtendEniPrivateIpAddressQuantity": 0,
"RequestId": "01f14f34-e9ae-470d-a71b-e8616ad3fae1",
"SubEniQuantity": 0,
"SubEniPrivateIpAddressQuantity": 0
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InternalServerError	Internal error.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.ActionLimited	Too often API invocations
ResourceNotFound	The resource does not exist.

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DisassociateNetworkInterfaceSecurityGroups

Last updated：2024-11-25 20:09:19

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DisassociateNetworkInterfaceSecurityGroups) is used to detach (or fully detach if possible) a security group from an ENI.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateNetworkInterfaceSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceIds.N	Yes	Array of String	ENI instance ID, e.g. eni-pxir56ns. You can enter up to 100 instances for each request.
SecurityGroupIds.N	Yes	Array of String	The security group instance ID, such as `sg-33ocnj9n`. It can be obtained through DescribeSecurityGroups. You can enter up to 100 instances for each request.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disassociating an ENI from a security group

This example shows you how to disassociate an ENI from a security group.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DisassociateNetworkInterfaceSecurityGroups
<Common request parameters>

{
"NetworkInterfaceIds": [
"eni-12345678"
],
"SecurityGroupIds": [
"sg-12345678"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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ModifyIpv6AddressesAttribute

Last updated：2024-11-25 20:09:18

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyIpv6AddressesAttribute) is used to modify the private IPv6 address attributes of an ENI.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyIpv6AddressesAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The `ID` of the ENI instance, such as `eni-m6dyj72l` .
Ipv6Addresses.N	Yes	Array of Ipv6Address	The information of the specified private `IPv6` addresses.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the IPv6 address attributes of an ENI

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyIpv6AddressesAttribute
&NetworkInterfaceId=eni-9c8zkfev
&Ipv6Addresses.0.Address=3402:4e00:20:1202::7
&Ipv6Addresses.0.Description=abc
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "57065a05-9d50-476b-9cd6-97b0ddf03766"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AttachmentNotFound	The binding relationship does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.

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ModifyNetworkInterfaceAttribute

Last updated：2024-11-25 20:05:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyNetworkInterfaceAttribute) is used to modify ENI attributes.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNetworkInterfaceAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as `eni-pxir56ns` .
NetworkInterfaceName	No	String	The name of the ENI. The maximum length is 60 characters.
NetworkInterfaceDescription	No	String	ENI description can be named freely, but the maximum length is 60 characters.
SecurityGroupIds.N	No	Array	The specified security groups to be bound with, such as

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		of String	['sg-1dd51d'].
TrunkingFlag	No	String	Configuration of the ENI trunking mode. Valid values: `Enable` and `Disable`. Default value: `Disable`.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying an ENI

This example shows you how to modify an ENI.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNetworkInterfaceAttribute
<Common request parameters>

{
"NetworkInterfaceId": "eni-afo43z61",
"NetworkInterfaceName": "NewName"
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
```

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```
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.ActionLimited	Too often API invocations
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.SubEniNotSupportTrunking	The relayed ENI does not support this operation.

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UnassignIpv6Addresses

Last updated：2024-11-25 20:09:17

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to release the IPv6 addresses of an ENI.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnassignIpv6Addresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The `ID` of the ENI instance, such as `eni-m6dyj72l`.
Ipv6Addresses.N	Yes	Array of Ipv6Address	The list of specified `IPv6` addresses. A maximum of 10 can be specified each time.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Releasing IPv6 addresses

This example shows you how to release IPv6 addresses.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=UnassignIpv6Addresses
&NetworkInterfaceId=eni-9c8zkfev
&Ipv6Addresses.0.Address=3402:4e00:20:1202:0:8d01:ee9c:3e22
&Ipv6Addresses.1.Address=3402:4e00:20:1202:0:8d01:ee9c:3f7d
&Ipv6Addresses.2.Address=3402:4e00:20:1202:0:8d01:fef4:c7d5
&Ipv6Addresses.3.Address=3402:4e00:20:1202:0:8d01:fef4:c97f
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "75221557-b667-440a-8cfe-ccd1bde2a234"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
ResourceNotFound	The resource does not exist.
UnauthorizedOperation.AttachmentNotFound	The binding relationship does not exist.
UnauthorizedOperation.PrimaryIp	The operation is not allowed for a primary IP.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AttachmentNotFound	The binding relationship does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteNetworkInterface

Last updated：2024-11-25 20:05:30

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete an ENI.

- An ENI cannot be deleted when it's bound to a CVM.
- After the deletion, all of its private IP addresses will be released.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteNetworkInterface.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as `eni-m6dyj72l` .

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an ENI

This example shows you how to delete an ENI.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteNetworkInterface

&NetworkInterfaceId=eni-m6dyj72l
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.ActionLimited	Too often API invocations
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidState	Invalid resource status.

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DescribeNetworkInterfaces

Last updated：2024-11-25 20:05:28

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeNetworkInterfaces) is used to query the ENI list.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNetworkInterfaces.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceIds.N	No	Array of String	Queries the ID of the ENI instance, such as `eni-pxir56ns` . Each request can have a maximum of 100 instances. `NetworkInterfaceIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	Filter. `NetworkInterfaceIds` and `Filters` cannot be specified at the same time. • `vpc-id` - String - VPC ID, such as `vpc-f49l6u0z` .

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			• `subnet-id` - String - Subnet ID, such as `subnet-f49l6u0z`. • `network-interface-id` - String - ENI ID, such as `eni-5k56k7k7`. • `attachment.instance-id` - String - ID of the bound CVM instance, such as `ins-3nqpdn3i`. • `groups.security-group-id` - String - ID of the bound security group, such as `sg-f9ekbxeq`. • `network-interface-name` - String - ENI instance name. • `network-interface-description` - String - ENI instance description. • `address-ip` - String - Private IPv4 address. A single IP will be fuzzily matched with the suffix, while multiple IPs will be exactly matched. It can be used with `ip-exact-match` to query and exactly match a single IP. • `ip-exact-match` - Boolean - Exact match by private IPv4 address. The first value will be returned if multiple values are found. • `tag-key` - String - Optional - Tag key. See Example 2 to learn more details. • `tag:tag-key` - String - Optional - Tag key-value pair. The `tag-key` should be replaced with a specific tag key. See Example 2 to learn more details. • `is-primary` - Boolean - Optional - Filter based on whether it is a primary ENI. Values: `true`, `false`. If this parameter is not specified, filter the both. • `eni-type` - String - Optional - Filter by ENI type. Values: `0` (Secondary ENI), `1` (Primary ENI), `2` (Relayed ENI) • `eni-qos` - String - Optional - Filter by ENI service level. Values: `AG` (Bronze), `AU` (Silver) • `address-ipv6` - String - Optional - Filter by private IPv6 address. Multiple IPv6 addresses can be used for query. If this field is used together with `address-ip`, their intersection will be used. • `public-address-ip` - String - Public IPv4 address. It supports exact matching.
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

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3. Output Parameters

Parameter Name	Type	Description
NetworkInterfaceSet	Array of NetworkInterface	List of instance details.
TotalCount	Integer	Number of eligible instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of ENIs

This example shows you how to query the list of ENIs.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNetworkInterfaces
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"NetworkInterfaceSet": [
{
"MacAddress": "20:90:6F:F5:34:C7",
"VpcId": "vpc-2kx9z6h3",
"Business": "cvm",
"Zone": "ap-guangzhou-2",
"NetworkInterfaceId": "eni-f1xjkw1b",
"Primary": false,
```

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```
"CdcId": "",
"PrivateIpAddressSet": [
{
"Description": "",
"Primary": true,
"PrivateIpAddress": "192.168.0.13",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "",
"Primary": false,
"PrivateIpAddress": "192.168.0.15",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "",
"Primary": false,
"PrivateIpAddress": "192.168.0.17",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "",
"Primary": false,
"PrivateIpAddress": "192.168.0.24",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
}
],
"NetworkInterfaceDescription": "aaa",
"Ipv6AddressSet": [],
"State": "AVAILABLE",
"GroupSet": [
"sg-c2r7lnxh",
"sg-f9ekbxeq"
],
"Attachment": {
"InstanceId": "ins-ymk3eje8",
"DeviceIndex": 1,
"InstanceAccountId": "251153169",
"AttachTime": "2021-01-08 16:36:49"
```


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```
},
"TagSet": [],
"EniType": 1,
"CreatedTime": "2021-01-07 16:32:55",
"SubnetId": "subnet-nao8lfro",
"NetworkInterfaceName": "royhyangtest-main",
"AttachType": 1
}
],
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```


Example2 Querying the list of ENIs with the specified tag

This example shows you how to query by `tag:tag-key` .

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNetworkInterfaces
<Common request parameters>

{
"Filters": [
{
"Values": [
"TEST"
],
"Name": "tag:Version"
}
]
}
```

Output Example


```
{
"Response": {
"NetworkInterfaceSet": [
{
"VpcId": "vpc-709l0i0x",
"SubnetId": "subnet-qymfizh2",
"NetworkInterfaceId": "eni-p17uqigx",
"NetworkInterfaceName": "test",
```


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```
"NetworkInterfaceDescription": "",
"GroupSet": [
"sg-hcd8t9xj"
],
"Primary": false,
"MacAddress": "20:90:6F:FC:9F:69",
"State": "AVAILABLE",
"CreatedTime": "2018-04-18 21:46:56",
"PrivateIpAddressSet": [
{
"Description": "12312",
"Primary": true,
"PrivateIpAddress": "192.168.3.10",
"AddressId": "",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "",
"Primary": false,
"PrivateIpAddress": "192.168.3.104",
"AddressId": "",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "13123",
"Primary": false,
"PrivateIpAddress": "192.168.3.18",
"AddressId": "",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "",
"Primary": false,
"PrivateIpAddress": "192.168.3.223",
"AddressId": "",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
},
{
"Description": "",
```


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```
"Primary": false,
"PrivateIpAddress": "192.168.3.86",
"AddressId": "",
"PublicIpAddress": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
}
],
"Attachment": null,
"Business": "cvm",
"Zone": "ap-guangzhou-2",
"Ipv6AddressSet": [
{
"Description": "",
"Primary": false,
"Address": "2402:4e00:1000:7400:0:9028:a2c9:85b2",
"AddressId": "",
"IsWanIpBlocked": false,
"State": "AVAILABLE"
}
],
"AttachType": 1,
"EniType": 1,
"CdcId": "",
"TagSet": [
{
"Key": "Version",
"Value": "TEST"
},
{
"Key": "Compony",
"Value": "Compony-A"
}
]
}
],
"TotalCount": 1,
"RequestId": "0c10340b-2551-4414-a8c7-8d90dc24ddd0"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
LimitExceeded.ActionLimited	Too often API invocations
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DetachNetworkInterface

Last updated：2024-11-25 20:05:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind an ENI from a CVM.
This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DetachNetworkInterface.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as `eni-m6dyj72l` .
InstanceId	Yes	String	The ID of the CVM instance, such as `ins-r8hr2upy` .

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding an ENI from a CVM

This example shows you how to unbind an ENI from a CVM.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DetachNetworkInterface
&NetworkInterfaceId=eni-afo43z61
&InstanceId=ins-ins-r8hr2upy
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.ActionLimited	Too often API invocations
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.IdempotentParameterMismatch	
UnsupportedOperation.IdempotentProcessing	
UnsupportedOperation.InvalidState	Invalid resource status.

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MigrateNetworkInterface

Last updated：2024-11-25 20:05:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to migrate ENIs.
This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: MigrateNetworkInterface.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as `eni-m6dyj72l` .
SourceInstanceId	Yes	String	The ID of the CVM bound to the ENI, such as `ins-r8hr2upy` .
DestinationInstanceId	Yes	String	ID of the destination CVM instance to be migrated.
AttachType	No	Integer	ENI mount method. Valid values: 0: standard; 1: extension;

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			default value: 0

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Migrating an ENI

This example shows you how to migrate an ENI.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=MigrateNetworkInterface
&NetworkInterfaceId=eni-afo43z61
&SourceInstanceId=ins-r8hr2upy
&DestinationInstanceId=ins-s2hr8upy
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AttachmentNotFound	The binding relationship does not exist.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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MigratePrivateIpAddress

Last updated：2024-11-25 20:05:25

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to migrate the private IPs between ENIs.

- Note that primary IPs cannot be migrated.
- The source and destination ENI must be within the same subnet.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: MigratePrivateIpAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SourceNetworkInterfaceId	Yes	String	ID of the ENI instance bound with the private IP, such as `eni-m6dyj72l` .

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DestinationNetworkInterfaceId	Yes	String	ID of the destination ENI instance to be migrated.
PrivateIpAddress	Yes	String	The private IP to be migrated, such as 10.0.0.6.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Migrating an private IP between ENIs

This example shows you how to migrate a private IP between ENIs.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=MigratePrivateIpAddress
&SourceNetworkInterfaceId=eni-afo43z61
&DestinationNetworkInterfaceId=eni-g0n2axhd
&PrivateIpAddress=172.16.33.109
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation.AttachmentNotFound	The binding relationship does not exist.
UnauthorizedOperation.PrimaryIp	The operation is not allowed for a primary IP.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.PrimaryIp	The specified value is a primary IP.

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ModifyPrivateIpAddressesAttribute

Last updated：2024-11-25 20:05:22

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyPrivateIpAddressesAttribute) is used to modify the private IP attributes of an ENI.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyPrivateIpAddressesAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as `eni-m6dyj72l` .
PrivateIpAddresses.N	Yes	Array of PrivateIpAddressSpecification	The specified private IP information.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the private IP attributes of an ENI

This example shows you how to modify the private IP attributes of an ENI.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyPrivateIpAddressesAttribute
&NetworkInterfaceId=eni-afo43z61
&PrivateIpAddresses.0.PrivateIpAddress=172.16.32.111
&PrivateIpAddresses.0.Description=new-pip-name
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded.ActionLimited	Too often API invocations
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.

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UnassignPrivateIpAddresses

Last updated：2024-11-25 20:05:20

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to return the private IP addresses of an ENI.

- If a secondary private IP of an ENI is returned, the EIP will be automatically unassociated as well. The primary private IP of the ENI cannot be returned.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnassignPrivateIpAddresses.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as

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			`eni-m6dyj72l` .
PrivateIpAddresses.N	Yes	Array of PrivateIpAddressSpecification	The information of the specified private IPs. You can specify a maximum of 10 each time.
InstanceId	No	String	Instance ID of the server bound with this IP. This parameter is only applicable when you need to return an IP and unbind the related servers.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Returning private IPs of an ENI

This example shows you how to return the private IPs of an ENI.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: UnassignPrivateIpAddresses
<Common request parameters>

{
"NetworkInterfaceId": "eni-afo43z61",
"PrivateIpAddresses": [
{
"PrivateIpAddress": "172.16.32.111"
}
]
}
```

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Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.DuplicatePara	The parameter value already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.ActionLimited	Too often API invocations

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ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AttachmentNotFound	The binding relationship does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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AttachNetworkInterface

Last updated：2024-11-25 20:05:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to bind an ENI to a CVM.

- An ENI must be bound with one security group at least. To bind it, see AssociateNetworkInterfaceSecurityGroups.
- One CVM can be bound with multiple ENIs, but only one can be the primary ENI. For more information about the limits, see ENI Use Limits.
- An ENI can only be bound to one CVM.
- Only the running or shutdown CVMs can be bound with ENIs. For more information about the CVM status, see InstanceStatus in the Data Types.
- An ENI can only be bound to a VPC-based CVM under the same availability zone as the ENI subnet.

This API is completed asynchronously. If you need to query the execution result of an async task, please use the `RequestId` returned by this API to poll the `DescribeVpcTaskResult` API.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AttachNetworkInterface.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of

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			regions supported by the product.
NetworkInterfaceId	Yes	String	The ID of the ENI instance, such as `eni-m6dyj72l`.
InstanceId	Yes	String	The ID of the CVM instance, such as `ins-r8hr2upy`.
AttachType	No	Integer	ENI mounting type. Valid values: `0` (standard); `1` (extension); default value: `0`

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Binding an ENI with a CVM

This example shows you how to bind an ENI with a CVM.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AttachNetworkInterface
&NetworkInterfaceId=eni-afo43z61
&InstanceId=ins-ins-r8hr2upy
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
LimitExceeded.ActionLimited	Too often API invocations
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AttachmentAlreadyExists	The EIP is already bound to a CVM.
UnsupportedOperation.IdempotentParameterMismatch	
UnsupportedOperation.IdempotentProcessing	

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UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.ResourceIsInvalidState	Operation prohibited: The resource is not available.
UnsupportedOperation.UnsupportedInstanceFamily	The specified instance type does not support ENIs.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.
UnsupportedOperation.ZoneMismatch	The specified resources are not in the same availability zone.

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DescribeInstanceJumbo

Last updated：2025-04-25 11:58:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to check whether Cloud Virtual Machines support jumbo frames.
Usage limits.
This API is used to perform operations that require CAM policy authorization and read access to the corresponding instance. The API accesses CVM instances, so it verifies whether there are CAM permissions for the instance. For example: CAM action allows vpc:DescribeInstanceJumbo; resource allows qcs::cvm:ap-guangzhou:uin/2126195383:instance/*.
This API is used to check the jumbo frame status before and after instance migration. The status returned by this API may be inconsistent before and after migration. You need to check whether the host machines of the instance before and after migration both support jumbo frames. One possible reason is that the instance has been migrated to a host machine that does not support jumbo frames.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeInstanceJumbo.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions

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			supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
InstanceIds.N	Yes	Array of String	Instance ID list of CVM. limits up to 10 instances for each query.

3. Output Parameters

Parameter Name	Type	Description
InstanceJumboSet	Array of InstanceJumbo	Specifies the jumbo frame status of the cloud virtual machine.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Query Whether a Specified CVM Supports Jumbo Frames

This example shows you how to inquire whether a specified CVM supports jumbo frames.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeInstanceJumbo
<Common request parameters>

{
"InstanceIds": [
"ins-70w096mg",
"ins-71b1qyss"
]
}
```

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Output Example

```
{
"Response": {
"InstanceJumboSet": [
{
"InstanceId": "ins-70w096mg",
"JumboState": false
}
],
"RequestId": "7fc40006-3629-44de-a520-74ffd2cf1882"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.

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ResourceNotFound	The resource does not exist.

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Bandwidth Package APIs DescribeBandwidthPackageBillUsage

Last updated：2024-11-25 20:10:10

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the current billable usage of a pay-as-you-go bandwidth package.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBandwidthPackageBillUsage.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BandwidthPackageId	Yes	String	Unique ID of the pay-as-you-go bandwidth package.

3. Output Parameters

Parameter Name	Type	Description

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BandwidthPackageBillBandwidthSet	Array of BandwidthPackageBillBandwidth	Current billable usage.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the current billable usage of a bandwidth package

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeBandwidthPackageBillUsage
&BandwidthPackageId=bwp-pply3nak
&<Common request parameters>
```

Output Example

```
{
"Response": {
"BandwidthPackageBillBandwidthSet": [
{
"BandwidthUsage": 1
}
],
"RequestId": "f30a042c-0234-4474-99e5-2f16be243be5"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.

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DescribeBandwidthPackageQuota

Last updated：2024-11-25 20:10:09

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the maximum and used number of bandwidth packages under the account in the current region.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBandwidthPackageQuota.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

3. Output Parameters

Parameter Name	Type	Description
QuotaSet	Array	The quota of the bandwidth package.

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	of Quota	
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the bandwidth package quota

This example shows you how to query the bandwidth package quota.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBandwidthPackageQuota
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"QuotaSet": [
{
"QuotaId": "TOTAL_BANDWIDTHPKG_QUOTA",
"QuotaCurrent": 1,
"QuotaLimit": 20
}
],
"RequestId": "8882b478-0d3a-4fe2-bae3-ff93865a199c"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.

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DescribeBandwidthPackageResources

Last updated：2024-11-25 20:10:08

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query resources in a bandwidth package based on the unique package ID. You can filter the result by specifying conditions and paginate the query results.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBandwidthPackageResources.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BandwidthPackageId	Yes	String	Unique ID of the bandwidth package in the form of `bwp-11112222` .
Filters.N	No	Array of Filter	Each request can have up to 10 `Filters` and 5 `Filter.Values` . `AddressIds` and `Filters` cannot be specified at the same time. The specific filter conditions are as follows: • resource-id - String - Required: no - (Filter condition) Filters by the unique ID of resources in a bandwidth package,

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			such as `eip-11112222` . • resource-type - String - Required: no - (Filter condition) Filters by the type of resources in a bandwidth package. It now supports only EIP (`Address`) and load balancer (`LoadBalance`).
Offset	No	Integer	The offset. Default value: 0. For more information on `Offset` , see the relevant sections in API Introduction.
Limit	No	Integer	The number of returned results. Default value: 20. Maximum value: 100. For more information on `Limit` , see the relevant sections in API Introduction.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of eligible resources in the bandwidth package.
ResourceSet	Array of Resource	The list of resources in the bandwidth package.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying resources in a bandwidth package

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeBandwidthPackageResources
&BandwidthPackageId=bwp-7umnal1o
&<Common request parameters>
```

Output Example

```
{
"Response": {
```

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```
"TotalCount": 2,
"ResourceSet": [
{
"ResourceType": "Address",
"ResourceId": "eip-60z7i46d",
"AddressIp": "139.199.XX.XX"
},
{
"ResourceType": "Address",
"ResourceId": "eip-d97psd1o",
"AddressIp": "139.198.XX.XX"
}
],
"RequestId": "ecaa7a90-a2fd-4fa3-8bf8-7d0723c95a99"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

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Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.Illegal	

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DescribeBandwidthPackages

Last updated：2024-11-25 20:10:07

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query bandwidth package information, including the unique ID of the bandwidth package, the type, the billing mode, the name, and the resource information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeBandwidthPackages.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BandwidthPackageIds.N	No	Array of String	The unique ID list of bandwidth packages.
Filters.N	No	Array of Filter	Each request can have up to 10 `Filters`. `BandwidthPackageIds` and `Filters` cannot be specified at the same time. The specific filter conditions are as follows:

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			• bandwidth-package_id - String - Required: No - (Filter condition) Filter by the unique ID of the bandwidth package. • bandwidth-package-name - String - Required: No - (Filter condition) Filter by the bandwidth package name. Fuzzy filtering is not supported. • network-type - String - Required: No - (Filter condition) Filter by the bandwidth package type. Valid values: `HIGH_QUALITY_BGP` , `BGP` , `SINGLEISP` , and `ANYCAST` . • charge-type - String - Required: No - (Filter condition) Filter by the bandwidth package billing mode. Valid values: `TOP5_POSTPAID_BY_MONTH` and `PERCENT95_POSTPAID_BY_MONTH` . • resource.resource-type - String - Required: No - (Filter condition) Filter by the bandwidth package resource type. Valid values: `Address` and `LoadBalance` . • resource.resource-id - String - Required: No - (Filter condition) Filter by the bandwidth package resource ID, such as `eip-xxxx` and `lb-xxxx` . • resource.address-ip - String - Required: No - (Filter condition) Filter by the bandwidth package resource IP. • tag-key - String - Required: No - (Filter condition) Filter by tag key. • tag-value - String - Required: No - (Filter condition) Filter by tag value. • tag:tag-key - String - Required: No - (Filter condition) Filter by tag key-value pair. Use a specific tag key to replace `tag-key` .
Offset	No	Integer	Offset. This value defaults to 0. For more information, see the relevant sections in API Overview.
Limit	No	Integer	Number of bandwidth packages returned. This value defaults to 20. The maximum is 100. For more information, see the relevant sections in API Overview.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of eligible bandwidth packages.

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BandwidthPackageSet	Array of BandwidthPackage	Detail information of the bandwidth package.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying bandwidth package resources

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeBandwidthPackages
<Common request parameters>

{
"Filters": [
{
"Values": [
"BGP"
],
"Name": "network-type"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"BandwidthPackageSet": [
{
"BandwidthPackageId": "bwp-p6am50q0",
"BandwidthPackageName": "gongxiang1",
"Status": "CREATED",
"NetworkType": "BGP",
"ChargeType": "FIXED_PREPAID_BY_MONTH",
"CreatedTime": "2019-12-31T16:48:49Z",
```

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```
"ResourceSet": [
{
"ResourceType": "Address",
"ResourceId": "eip-hbhcbwci",
"AddressIp": "134.175.210.185"
},
{
"ResourceType": "Address",
"ResourceId": "eip-bksqvcue",
"AddressIp": "193.112.158.4"
},
{
"ResourceType": "Address",
"ResourceId": "eip-rlwrl9zg",
"AddressIp": "193.112.128.149"
},
{
"ResourceType": "Address",
"ResourceId": "eip-0a0z6e86",
"AddressIp": "193.112.214.231"
},
{
"ResourceType": "Address",
"ResourceId": "eip-loq78a2u",
"AddressIp": "193.112.214.146"
},
{
"ResourceType": "Address",
"ResourceId": "eip-9b23ko6g",
"AddressIp": "193.112.195.106"
},
{
"ResourceType": "Address",
"ResourceId": "eip-l3utrirm",
"AddressIp": "193.112.214.252"
},
{
"ResourceType": "Address",
"ResourceId": "eip-biawxrrg",
"AddressIp": "193.112.161.62"
},
{
"ResourceType": "Address",
"ResourceId": "eip-gm8dcbmw",
"AddressIp": "129.204.145.2"
},
{
```


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```
"ResourceType": "Address",
"ResourceId": "eip-f3yjemhw",
"AddressIp": "134.175.169.60"
},
{
"ResourceType": "Address",
"ResourceId": "eip-oahxub36",
"AddressIp": "106.53.87.77"
},
{
"ResourceType": "Address",
"ResourceId": "eip-ej9oasck",
"AddressIp": "193.112.186.94"
},
{
"ResourceType": "Address",
"ResourceId": "eip-iivgnxr6",
"AddressIp": "106.52.155.79"
},
{
"ResourceType": "Address",
"ResourceId": "eip-9pva2ne6",
"AddressIp": "106.52.167.45"
},
{
"ResourceType": "Address",
"ResourceId": "eip-fqexkiku",
"AddressIp": "129.204.251.201"
},
{
"ResourceType": "Address",
"ResourceId": "eip-dorh1ejy",
"AddressIp": "106.55.92.150"
},
{
"ResourceType": "Address",
"ResourceId": "eip-pdxzxuzs",
"AddressIp": "42.194.204.43"
},
{
"ResourceType": "Address",
"ResourceId": "eip-26tl14zo",
"AddressIp": "106.52.248.58"
},
{
"ResourceType": "Address",
"ResourceId": "eip-1n624fs0",
```


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```
"AddressIp": "106.55.63.197"
},
{
"ResourceType": "Address",
"ResourceId": "eip-j4s0mcug",
"AddressIp": "106.55.92.154"
}
],
"Bandwidth": 500
}
],
"RequestId": "e0ee5afd-a684-4a4c-9fff-ef5d626aed46"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.InvalidBandwidthPackageChargeType	Invalid billing mode of bandwidth package
UnsupportedOperation	Unsupported operation.

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ModifyBandwidthPackageAttribute

Last updated：2024-11-25 20:10:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the attributes of a bandwidth package, including the bandwidth package name, and so on.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyBandwidthPackageAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BandwidthPackageId	Yes	String	The unique ID of the bandwidth package.
BandwidthPackageName	Yes	String	The name of the bandwidth package.
ChargeType	No	String	The billing mode of the bandwidth package. Values: `TOP5_POSTPAID_BY_MONTH` : Bill by the top 5 bandwidth value of the current month in a postpaid manner

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the name of a bandwidth package

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyBandwidthPackageAttribute
<Common request parameters>

{
"BandwidthPackageName": "test",
"BandwidthPackageId": "bwp-e40edw8y"
}
```

Output Example

```
{
"Response": {
"RequestId": "2ece8f4a-c0f5-4b83-8054-a9b808a5c465"
}
}
```

Example2 Modifying the billing mode of a bandwidth package

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyBandwidthPackageAttribute
```

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```
<Common request parameters>

{
"BandwidthPackageName": "test",
"BandwidthPackageId": "bwp-e40edw8y",
"ChargeType": "TOP5"
}
```

Output Example

```
{
"Response": {
"RequestId": "2ece8f4a-c0f5-4b83-8054-a9b808a5c465"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

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Error Code	Description
InternalServerError	Internal error.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.InvalidBandwidthPackageChargeType	Invalid billing mode of bandwidth package
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.

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RemoveBandwidthPackageResources

Last updated：2024-11-25 20:10:04

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a bandwidth package resource, including Elastic IP, Cloud Load Balancer, and so on.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RemoveBandwidthPackageResources.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BandwidthPackageId	No	String	The unique ID of the bandwidth package, such as `bwp-xxxx` .
ResourceType	No	String	The resource type. Valid values: `Address` and `LoadBalance` .
ResourceIds.N	No	Array of String	The resource IP, such as `eip-xxxx` and `lb-xxxx` .

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Removing resources from a bandwidth package

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=RemoveBandwidthPackageResources
&BandwidthPackageId=bwp-pr0xbnvw
&ResourceIds.0=eip-alfxy9c8
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f1989f97-6b65-40b5-8afa-37d105c60c84"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.IpTypeNotPermit	
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.ResourceIdMalformed	The resource ID is incorrect.
InvalidParameterValue.ResourceNotExisted	The resource is not associated with this bandwidth package.
InvalidParameterValue.ResourceNotFound	This resource is not found.
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.InvalidResourceProtocol	Bandwidth packages inapplicable to this protocol

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AddBandwidthPackageResources

Last updated：2024-11-25 20:10:14

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to add resources to a bandwidth package, including Elastic IP, Cloud Load Balancer, and so on.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AddBandwidthPackageResources.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ResourceIds.N	Yes	Array of String	The unique ID of the source, such as 'eip-xxxx' and 'lb-xxxx'. EIP and LB resources are currently supported.
BandwidthPackageId	No	String	The unique ID of the bandwidth package, such as 'bwp-xxxx'.
NetworkType	No	String	The network type of the bandwidth package. Valid value: `BGP` , indicating that the internal resource is a BGP IP.
ResourceType	No	String	The resource type, including `Address` and `LoadBalance` .

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Protocol	No	String	The protocol type of the bandwidth package. Valid values: `ipv4` and `ipv6`.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adding resource to a bandwidth package

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AddBandwidthPackageResources
&BandwidthPackageId=bwp-e40edw8y
&ResourceType=Address
&ResourceIds.0=eip-pez0oibs
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "2ece8f4a-c0f5-4b83-8054-a9b808a5c465"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.ResourceAlreadyExisted	The resource has already added to another bandwidth package.
InvalidParameterValue.ResourceIdMalformed	The resource ID is incorrect.
InvalidParameterValue.ResourceNotFound	This resource is not found.
LimitExceeded.BandwidthPackageQuota	Exceeded the upper limit of the bandwidth package quota.
LimitExceeded.BandwidthPackageResourceQuota	Number of resources added to this bandwidth package reached the upper limit.
MissingParameter	Missing parameter.

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UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.
UnsupportedOperation.InvalidResourceInternetChargeType	This operation is not allowed under this billing mode.
UnsupportedOperation.InvalidResourceProtocol	Bandwidth packages inapplicable to this protocol

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CreateBandwidthPackage

Last updated：2025-04-24 18:08:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a device bandwidth package or an IP bandwidth package.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateBandwidthPackage.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
NetworkType	No	String	The network type of the bandwidth package. Default value: `BGP` . Valid values: `BGP` `HIGH_QUALITY_BGP`

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ChargeType	No	String	The billing mode of the bandwidth package. Default value: `ENHANCED95_POSTPAID_BY_MONTH`. Valid values: • `ENHANCED95_POSTPAID_BY_MONTH`: Pay-as-you-go - Enhanced 95th percentile • `PRIMARY_TRAFFIC_POSTPAID_BY_HOUR`: Postpaid - Main Traffic Billing • `BANDWIDTH_POSTPAID_BY_DAY`: General BGP, Pay-as-you-go - Bandwidth-based • `PEAK_BANDWIDTH_POSTPAID_BY_DAY`: Static single-line, Pay-as-you-go - Daily billed • `TOP5_POSTPAID_BY_MONTH`: Pay-as-you-go - Monthly top 5th, If you need to use this Bglling mode, please submit a ticket.
BandwidthPackageName	No	String	The name of the bandwidth package.
BandwidthPackageCount	No	Integer	The number of bandwidth packages to create. Valid range: 1-20. It can only be "1" for bill-by-CVM accounts.
InternetMaxBandwidth	No	Integer	The limit of the bandwidth package in Mbps. The value '-1' indicates there is no limit. This feature is currently in beta.
Tags.N	No	Array of Tag	The list of tags to be bound.
Protocol	No	String	The protocol type of the bandwidth package. Valid values: 'ipv4' and 'ipv6'. Default value: 'ipv4'.
TimeSpan	No	Integer	
Egress	No	String	Network egress. It defaults to `center_egress1`. Valid values: center_egress1,center_egress2,center_egress3

3. Output Parameters

Parameter Name	Type	Description
BandwidthPackageId	String	The unique ID of the bandwidth package.

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BandwidthPackageIds	Array of String	The unique ID list of the bandwidth package (effective only when you apply for more than 1 bandwidth packages).
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a bandwidth package

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateBandwidthPackage
&ChargeType=TOP5_POSTPAID_BY_MONTH
&NetworkType=BGP
&<Common request parameters>
```

Output Example

```
{
"Response": {
"BandwidthPackageId": "bwp-8rol****",
"BandwidthPackageIds": [
"bwp-8rol****"
],
"RequestId": "57741638-47c2-4c6d-ac84-b88eb83dad06"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.BalanceInsufficient	Insufficient account balance.
InternalServerError	Internal error.
InvalidAccount.NotSupported	This account is not supported.
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TagNotExisted	The Tag does not exist.
LimitExceeded.BandwidthPackageQuota	Exceeded the upper limit of the bandwidth package quota.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AccountNotSupported	This account is not supported.
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.

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UnsupportedOperation.InvalidResourceInternetChargeType	This operation is not allowed under this billing mode.
UnsupportedOperation.NotSupportedPurchaseCenterEgressResource	
UnsupportedOperation.UnsupportedRegion	The service is not available in this country/region.

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DeleteBandwidthPackage

Last updated：2024-11-25 20:10:11

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete bandwidth packages, including device bandwidth packages and IP bandwidth packages.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteBandwidthPackage.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BandwidthPackageId	Yes	String	The unique ID of the bandwidth package to be deleted.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a bandwidth package

This example shows you how to delete a bandwidth package.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteBandwidthPackage
&BandwidthPackageId=bwp-cs7j6pd0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "733e5cbd-da2d-43fb-89b5-083aad6d58f8"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.InvalidRegion	Unsupported region.
InternalServerError	Internal error.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageInUse	The bandwidth package is in use.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.StopChargingInstanceInUse	Operation failed: The instance to shut down is using the current resource.
LimitExceeded.AccountReturnQuota	Ran out of the quota for returning under this account.
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.InvalidAddressState	This operation is not supported by the IP address status.
UnsupportedOperation.UnpaidOrderAlreadyExists	Overdue payments are found under this account. Please complete the payment first.

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ModifyBandwidthPackageBandwidth

Last updated：2024-11-25 20:06:14

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the bandwidth of a bandwidth package.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyBandwidthPackageBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
InternetMaxBandwidth	Yes	Integer	Maximum bandwidth. Unit: Mbps.
BandwidthPackageId	Yes	String	Bandwidth package ID.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the Bandwidth of a Bandwidth Package

This example shows you how to adjust the bandwidth of a bandwidth package.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyBandwidthPackageBandwidth
&InternetMaxBandwidth=100
&BandwidthPackageIds.0=bwp-alfxy9c8
&BandwidthPackageId=bwp-mwoqajk2
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "24cfceab-3492-482c-b86f-27f598b1b044"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.BalanceInsufficient	Insufficient account balance.
InternalServerError	Internal error.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.InvalidOldBandwidth	Invalid original bandwidth value.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.InvalidAction	Unsupported operation.

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NAT Gateway APIs CreateNatGatewayDestinationIpPortTranslationNatRule

Last updated：2024-11-25 20:08:53

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create the port forwarding rules of a NAT gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Paran CreateNatGatev
Version	Yes	String	Common Paran 12.
Region	Yes	String	Common Paran list of regions su
NatGatewayId	Yes	String	The ID of the NA
DestinationIpPortTranslationNatRules.N	Yes	Array of DestinationIpPortTranslationNatRule	The port forwar

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating NAT forwarding rules

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateNatGatewayDestinationIpPortTranslationNatRule
&NatGatewayId=nat-3isn9hr0
&DestinationIpPortTranslationNatRules.0.IpProtocol=TCP
&DestinationIpPortTranslationNatRules.0.PublicIpAddress=139.199.232.238
&DestinationIpPortTranslationNatRules.0.PublicPort=8989
&DestinationIpPortTranslationNatRules.0.PrivateIpAddress=10.80.80.41
&DestinationIpPortTranslationNatRules.0.PrivatePort=8989
&DestinationIpPortTranslationNatRules.0.Description=test_dnapt
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "14f7ea4e-8452-4742-84b5-5a3aee304967"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NatGatewayDnatRuleExisted	The DNAT forwarding rule of the NAT gateway already exists.
InvalidParameterValue.NatGatewayDnatRulePipNeedVm	The private IP of the DNAT translation rule must be an IP used by the ENI of the virtual machine.
InvalidParameterValue.NatGatewayDnatRuleRepeated	The DNAT rule of the NAT gateway to add already exists.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.NatGatewayDnatLimitExceeded	
ResourceNotFound	The resource does not exist.
UnsupportedOperation.NatGatewayEipNotExists	The public IP of the NAT gateway does not exist.

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CreateNatGatewaySourceIpTranslationNatRule

Last updated：2024-11-25 20:08:52

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create SNAT rules for a NAT gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value use CreateNatGatewaySourceIpTra
Version	Yes	String	Common Params. The value use 2017-03-12.
Region	Yes	String	Common Params. For more info see the list of regions supported
NatGatewayId	Yes	String	The ID of the NAT Gateway, suc `df45454`
SourceIpTranslationNatRules.N	Yes	Array of SourceIpTranslationNatRule	The SNAT forwarding rule of the

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an SNAT rule for the NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateNatGatewaySourceIpTranslationNatRule
&NatGatewayId=nat-3isn9hr0
&SourceIpTranslationNatRules.0.ResourceId=cvm-24796297
&SourceIpTranslationNatRules.0.ResourceType=NETWORKINTERFACE
&SourceIpTranslationNatRules.0.PrivateIpAddress=10.80.80.41
&SourceIpTranslationNatRules.0.PublicIpAddresses.0=180.12.59.43
&SourceIpTranslationNatRules.0.Description=test_snat
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "14f7ea4e-8452-4742-84b5-5a4aee304968"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InternalServerError	Internal error.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NatSnatRuleExists	The NAT Gateway already has an identical SNAT rule.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnknownParameter	Unknown parameter error.
UnsupportedOperation.NatGatewayEipNotExists	The public IP of the NAT gateway does not exist.
UnsupportedOperation.NatGatewayRulePipExists	The private IP specified in the SNAT/DNAT forwarding rule has been bound with another rule.
UnsupportedOperation.NatGatewaySnatPipNeedVm	The private IP of the SNAT translation rule must be within the IP range of the VM ENI.

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UnsupportedOperation.NatGatewayTypeNotSupportSNAT	The specified NAT Gateway type does not support configuring a SNAT rule.
UnsupportedOperation.UnbindEIP	EIP is not bound.

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DeleteNatGateway

Last updated：2024-11-25 20:08:51

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a NAT gateway.
When a NAT gateway is deleted, all routes containing this gateway are deleted automatically, and the elastic IP is unbound.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteNatGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The ID of the NAT gateway, such as `nat-df45454` .

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteNatGateway
&NatGatewayId=nat-ig8xpno8
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteNatGatewayDestinationIpPortTranslationNatRule

Last updated：2024-11-25 20:08:50

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete the port forwarding rule of a NAT gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Paran DeleteNatGatev
Version	Yes	String	Common Paran 12.
Region	Yes	String	Common Paran list of regions su
NatGatewayId	Yes	String	The ID of the N/
DestinationIpPortTranslationNatRules.N	Yes	Array of DestinationIpPortTranslationNatRule	The port forwar

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the port forwarding rules of a NAT gateway

This example shows you how to delete the port forwarding rules of a NAT gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteNatGatewayDestinationIpPortTranslationNatRule
<Common request parameters>

{
"NatGatewayId": "nat-3isn9hr0",
"DestinationIpPortTranslationNatRules": [
{
"Description": "xx",
"PublicIpAddress": "139.199.232.238",
"PrivatePort": 9999,
"IpProtocol": "TCP",
"PublicPort": 999,
"PrivateIpAddress": "10.0.9.2"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
```

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```
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.NatGatewayDnatRuleNotExists	The DNAT forwarding rule of the NAT gateway does not exist.
ResourceNotFound	The resource does not exist.

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DeleteNatGatewaySourceIpTranslationNatRule

Last updated：2024-11-25 20:08:48

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a SNAT forwarding rule of a NAT gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteNatGatewaySourceIpTranslationNatRule.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The ID of the NAT Gateway, such as `nat-df45454`
NatGatewaySnatIds.N	Yes	Array of String	The list of SNAT rule IDs of a NAT Gateway, such as `snat-df43254`

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the SNAT forwarding rules of a NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteNatGatewaySourceIpTranslationNatRule
&NatGatewayId=nat-3isn9hr0
&NatGatewaySnatIds.0=snat-3ixd0hr0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "14f7ea4e-8452-4742-84b5-5a4aee304968"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NatGatewaySnatRuleNotExists	The SNAT forwarding rule of the NAT gateway does not exist.
ResourceNotFound	The resource does not exist.

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DescribeNatGatewayDestinationIpPortTranslationNatRules

Last updated：2024-11-25 20:08:47

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the array of objects of a NAT gateway's port forwarding rules.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNatGatewayDestinationIpPortTranslationNatRules.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayIds.N	No	Array of String	NAT gateway ID.
Filters.N	No	Array of Filter	Filters: `NatGatewayIds` and `Filters` cannot be specified at the same time.

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			• `nat-gateway-id` : The NAT gateway ID, such as `nat-0yi4hekt` . • `vpc-id` : The VPC ID, such as `vpc-0yi4hekt` . • `public-ip-address` : The EIP, such as `139.199.232.238` . • `public-port` : The public network port. • `private-ip-address` : The private IP, such as `10.0.0.1` . • `private-port` . The private network port. • `description` . The rule description.
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Desc
NatGatewayDestinationIpPortTranslationNatRuleSet	Array of NatGatewayDestinationIpPortTranslationNatRule	The array port forw rules the N gate
TotalCount	Integer	The num eligil obje array NAT forw rules
RequestId	String	The requ gene by th serv be re

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4. Example

Example1 Querying the port forwarding rules of NAT gateways

This example shows you how to use the `Filter` array to obtain the port forwarding rules of a NAT gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNatGatewayDestinationIpPortTranslationNatRules
&Filters.0.Name=vpc-id
&Filters.0.Values.0=vpc-0yi4hekt
&<common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 2,
"NatGatewayDestinationIpPortTranslationNatRuleSet": [
{
"IpProtocol": "TCP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8989,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_dnapt",
```

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```
"CreatedTime": "2019-05-04 13:42:11",
"NatGatewayId": "nat-3isn9hr0",
"VpcId": "vpc-0yi4hekt"
},
{
"IpProtocol": "UDP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8989,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_dnapt",
"CreatedTime": "2019-05-04 13:20:20",
"NatGatewayId": "nat-3isn9hr0",
"VpcId": "vpc-0yi4hekt"
}
],
"RequestId": "eb203971-a7a0-45c1-9c72-36ad86688590"
}
}
```


Example2 Querying the port forwarding rules of specified NAT gateways

This example shows you how to query the port forwarding rules by specifying `NatGatewayId` .

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNatGatewayDestinationIpPortTranslationNatRules
&NatGatewayIds.0=nat-3isn9hr0
&Offset=0
&Limit=10
&<common request parameters>
```

Output Example


```
{
"Response": {
"TotalCount": 2,
"NatGatewayDestinationIpPortTranslationNatRuleSet": [
{
"IpProtocol": "TCP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8989,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_dnapt",
```


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```
"CreatedTime": "2019-05-04 13:09:25",
"NatGatewayId": "nat-3isn9hr0",
"VpcId": "vpc-0yi4hekt"
},
{
"IpProtocol": "UDP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8989,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_dnapt",
"CreatedTime": "2019-05-04 13:20:20",
"NatGatewayId": "nat-3isn9hr0",
"VpcId": "vpc-0yi4hekt"
}
],
"RequestId": "9b751ec3-d10a-4138-bdd9-fa5564684e60"
}
}
```


5. Developer Resources

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnauthorizedOperation	Unauthorized operation.

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DescribeNatGatewayDirectConnectGatewayRoute

Last updated：2024-11-25 20:08:46

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the routes between a NAT gateway and Direct Connect.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNatGatewayDirectConnectGatewayRoute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	Unique ID of the NAT gateway
VpcId	Yes	String	Unique ID of VPC
Limit	No	Integer	Valid range: 0-200
Offset	No	Integer	Greater than 0

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3. Output Parameters

Parameter Name	Type	Description
NatDirectConnectGatewayRouteSet	Array of NatDirectConnectGatewayRoute	Route data
Total	Integer	Total number of routes
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the information of the routes of a NAT gateway

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNatGatewayDirectConnectGatewayRoute
<Common request parameters>

{
"NatGatewayId": "nat-2jd1e1rm",
"VpcId": "vpc-3m6kvgrx",
"Limit": 10,
"Offset": 0
}
```

Output Example

```
{
"Response": {
"Total": 1,
"NatDirectConnectGatewayRouteSet": [
{
```

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```
"DestinationCidrBlock": "99.99.99.77/32",
"UpdateTime": "2020-09-22 00:00:00",
"GatewayType": "DIRECTCONNECT",
"GatewayId": "dcg-71awizmv",
"CreateTime": "2020-09-22 00:00:00"
}
],
"RequestId": "852bd0e9-2104-4e83-b0fc-87c2c2036140"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.

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ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.

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DescribeNatGatewaySourceIpTranslationNatRules

Last updated：2024-11-25 20:08:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the NAT gateway's SNAT forwarding rules.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNatGatewaySourceIpTranslationNatRules.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The unique ID of the NAT Gateway, such as `nat-123xx454` .
Filters.N	No	Array of Filter	Filter: • `resource-id` : The subnet ID (such as `subnet-0yi4hekt`) or CVM ID • `public-ip-address` : The EIP, such as `139.199.232.238`

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			• `description` The rule description
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
SourceIpTranslationNatRuleSet	Array of SourceIpTranslationNatRule	Array of objects of a NAT gateway's SNAT rules. Note: this field may return `null`, indicating that no valid values can be obtained.
TotalCount	Integer	The number of eligible object arrays of a NAT gateway's forwarding rules.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the SNAT forwarding rules of a NAT gateway

This example shows you how to use the Filter array to obtain the SNAT forwarding rules of a NAT gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNatGatewaySourceIpTranslationNatRules
&NatGatewayId=nat-3isn9hr0
&Filters.0.Name=resource-id
&Filters.0.Values.0=subnet-0yi4hekt
&<Common request parameters>
```

Output Example

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```
{
"Response": {
"TotalCount": 1,
"SourceIpTranslationNatRuleSet": [
{
"NatGatewaySnatId": "subnet-0yi4hekt",
"ResourceId": "subnet-0yi4hekt",
"ResourceType": "SUBNET",
"PublicIpAddresses": [
"139.199.232.238"
],
"PrivateIpAddress": "10.80.80.0/24",
"Description": "test_snat",
"CreatedTime": "2019-05-04 13:42:11",
"NatGatewayId": "nat-3isn9hr0",
"VpcId": "vpc-0yi4hekt"
}
],
"RequestId": "eb203971-a7a0-45c1-9c72-36ad86688590"
}
}
```


5. Developer Resources

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InternalServerError	Internal error.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidParameter	A parameter error occurred.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeNatGateways

Last updated：2024-11-25 20:08:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query NAT gateways.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNatGateways.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayIds.N	No	Array of String	The unified ID of the NAT gateways, such as `nat-123xx454` .
Filters.N	No	Array of Filter	Filters. `NatGatewayIds` and `Filters` cannot be specified at the same time. • nat-gateway-id - String - (Filter) The ID of the protocol port template instance, such as `nat-123xx454` . • vpc-id - String - (Filter) The unique ID of the VPC, such as `vpc-123xx454` .

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			• nat-gateway-name - String - (Filter) The ID of the protocol port template instance, such as `test_nat` . • tag-key - String - (Filter) The tag key, such as `test-key` .
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
NatGatewaySet	Array of NatGateway	NAT gateway object array.
TotalCount	Integer	The number of eligible NAT gateway objects.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying NAT gateway information

This example shows you how to use `Filters` to query the NAT gateway information.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNatGateways
&Filters.0.Name=vpc-id
&Filters.0.Values.0=vpc-0yi4hekt
&Offset=0
&Limit=10
&<Common request parameters>
```

Output Example

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```
{
"Response": {
"NatGatewaySet": [
{
"NatGatewayId": "nat-3isn9hr0",
"NatGatewayName": "test",
"VpcId": "vpc-0yi4hekt",
"CreatedTime": "2017-09-20 20:28:24",
"State": "AVAILABLE",
"NetworkState": "RUNNING",
"InternetMaxBandwidthOut": 100,
"MaxConcurrentConnection": 1000000,
"PublicIpAddressSet": [
{
"AddressId": "eip-7qcdm91q",
"PublicIpAddress": "139.199.232.238",
"IsBlocked": false
}
],
"DestinationIpPortTranslationNatRuleSet": [
{
"IpProtocol": "TCP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8586,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_modify"
},
{
"IpProtocol": "UDP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8989,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_dnapt"
}
],
"Zone": "ap-guangzhou-1",
"TagSet": [
{
"Key": "test-key",
"Value": "test-value3"
}
],
"SecurityGroupSet": [],
"ExclusiveGatewayBandwidth": 1,
```


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```
"IsExclusive": true,
"SubnetId": "sub-er88uji9",
"DirectConnectGatewayIds": [],
"SourceIpTranslationNatRuleSet": []
},
{
"NatGatewayId": "nat-7xh58vea",
"NatGatewayName": "test_create",
"VpcId": "vpc-0yi4hekt",
"CreatedTime": "2019-05-04 15:01:11",
"State": "PENDING",
"NetworkState": "RUNNING",
"InternetMaxBandwidthOut": 100,
"MaxConcurrentConnection": 1000000,
"PublicIpAddressSet": [],
"DestinationIpPortTranslationNatRuleSet": [],
"Zone": "ap-guangzhou-2",
"TagSet": [
{
"Key": "test-key",
"Value": "test-value4"
}
],
"SecurityGroupSet": [],
"ExclusiveGatewayBandwidth": 1,
"IsExclusive": true,
"SubnetId": "sub-er88uji9",
"DirectConnectGatewayIds": [],
"SourceIpTranslationNatRuleSet": []
}
],
"TotalCount": 2,
"RequestId": "a3964872-e2f5-4180-8607-0b49ec8e0109"
}
}
```


Example2 Querying NAT gateway information-2

This example shows you how to use `NatGatewayIds` to query the NAT gateway information.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNatGateways
&NatGatewayIds.0=nat-3isn9hr0
&NatGatewayIds.1=nat-mxkohguo
&Offset=0
```

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```
&Limit=10
&<common request parameters>
```

Output Example


```
{
"Response": {
"NatGatewaySet": [
{
"NatGatewayId": "nat-3isn9hr0",
"NatGatewayName": "test",
"VpcId": "vpc-0yi4hekt",
"CreatedTime": "2017-09-20 20:28:24",
"State": "AVAILABLE",
"NetworkState": "RUNNING",
"InternetMaxBandwidthOut": 100,
"MaxConcurrentConnection": 1000000,
"SecurityGroupSet": [],
"ExclusiveGatewayBandwidth": 1,
"IsExclusive": true,
"SubnetId": "sub-er88uji9",
"DirectConnectGatewayIds": [],
"SourceIpTranslationNatRuleSet": [],
"PublicIpAddressSet": [
{
"AddressId": "eip-7qcdm91q",
"PublicIpAddress": "139.199.232.238",
"IsBlocked": false
}
],
"DestinationIpPortTranslationNatRuleSet": [
{
"IpProtocol": "TCP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8586,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_modify"
},
{
"IpProtocol": "UDP",
"PublicIpAddress": "139.199.232.238",
"PublicPort": 8989,
"PrivateIpAddress": "10.80.80.41",
"PrivatePort": 8989,
"Description": "test_dnapt"
```


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```
}
],
"Zone": "ap-guangzhou-1",
"TagSet": [
{
"Key": "test-key",
"Value": "test-value1"
}
]
},
{
"NatGatewayId": "nat-mxkohguo",
"NatGatewayName": "aaaaaa",
"VpcId": "vpc-m7sihqw5",
"CreatedTime": "2018-07-25 11:37:29",
"State": "PENDING",
"NetworkState": "UNAVAILABLE",
"InternetMaxBandwidthOut": 100,
"MaxConcurrentConnection": 1000000,
"PublicIpAddressSet": [],
"DestinationIpPortTranslationNatRuleSet": [],
"Zone": "ap-guangzhou-1",
"TagSet": [
{
"Key": "test-key",
"Value": "test-value2"
}
],
"SecurityGroupSet": [],
"ExclusiveGatewayBandwidth": 1,
"IsExclusive": true,
"SubnetId": "sub-er88uji9",
"DirectConnectGatewayIds": [],
"SourceIpTranslationNatRuleSet": []
}
],
"TotalCount": 2,
"RequestId": "fed7e087-083f-49e4-8754-17fb130828e0"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ActionNotFound	The port does not exist.

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DisassociateNatGatewayAddress

Last updated：2024-11-25 20:08:42

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind an EIP from a NAT gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateNatGatewayAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The ID of the NAT gateway, such as `nat-df45454` .
PublicIpAddresses.N	Yes	Array of String	Array of the EIPs to be unbound from the NAT gateway.

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding an EIP from a NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisassociateNatGatewayAddress
&NatGatewayId=nat-mdbjfr0y
&PublicIpAddresses.0=139.199.232.212
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.NatGatewayRestricted	
UnsupportedOperation.PublicIpAddressDisassociate	At least one EIP exists on the NAT gateway, and the EIP cannot be unbound.

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ModifyNatGatewayDestinationIpPortTranslationNatRule

Last updated：2024-11-25 20:08:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the port forwarding rule of a NAT gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used fo ModifyNatGatewayDestinationIpPort
Version	Yes	String	Common Params. The value used fo 12.
Region	Yes	String	Common Params. For more informat list of regions supported by the produ
NatGatewayId	Yes	String	The ID of the NAT gateway, such as
SourceNatRule	Yes	DestinationIpPortTranslationNatRule	The port forwarding rule of the sourc
DestinationNatRule	Yes	DestinationIpPortTranslationNatRule	The port forwarding rule of the destir

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the port forwarding rules of a NAT gateway

This example shows you how to modify the port forwarding rules of a NAT gateway. To modify the source rules (SourceNatRule), you only need to pass in `IpProtocol`, `PublicIpAddress`, and `PublicPort`. To modify the destination rules (DestinationNatRule), pass in all the parameters to be modified.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyNatGatewayDestinationIpPortTranslationNatRule
&NatGatewayId=nat-3isn9hr0
&SourceNatRule.IpProtocol=TCP
&SourceNatRule.PublicIpAddress=139.199.232.238
&SourceNatRule.PublicPort=8989
&SourceNatRule.Description=xx
&SourceNatRule.PrivateIpAddress=10.0.8.9
&SourceNatRule.PrivatePort=9090
&DestinationNatRule.IpProtocol=UDP
&DestinationNatRule.PublicIpAddress=139.199.232.226
&DestinationNatRule.PublicPort=8586
&DestinationNatRule.PrivateIpAddress=10.80.80.41
&DestinationNatRule.PrivatePort=8586
&DestinationNatRule.Description=test_modify
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
```

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```
}
}
```

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.NatGatewayDnatRuleNotExists	The DNAT forwarding rule of the NAT gateway does not exist.
InvalidParameterValue.NatGatewayDnatRulePipNeedVm	The private IP of the DNAT translation rule must be an IP used by the ENI of the virtual machine.
ResourceInUse	The resource is occupied.
UnsupportedOperation.NatGatewayRulePipExists	The private IP specified in the SNAT/DNAT forwarding rule has been bound with another rule.
UnsupportedOperation.RecordExists	This record already exists.

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ModifyNatGatewaySourceIpTranslationNatRule

Last updated：2024-11-25 20:08:40

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify a NAT gateway's SNAT forwarding rules.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used f ModifyNatGatewaySourceIpTransla
Version	Yes	String	Common Params. The value used f 2017-03-12.
Region	Yes	String	Common Params. For more informa see the list of regions supported by
NatGatewayId	Yes	String	The ID of the NAT Gateway, such a `df453454`
SourceIpTranslationNatRule	Yes	SourceIpTranslationNatRule	The SNAT forwarding rule of the NA

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying an SNAT forwarding rule of the NAT gateway

This example shows you how to modify an SNAT forwarding rule of the NAT gateway by only specifying `NatGatewaySnatId`, `PublicIpAddresses` and `Description` for `SourceIpTranslationNatRule`.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyNatGatewaySourceIpTranslationNatRule
&NatGatewayId=nat-3isn9hr0
&SourceIpTranslationNatRule.NatGatewaySnatId=snat-4cnwed83
&SourceIpTranslationNatRule.ResourceId=cvm-24796297
&SourceIpTranslationNatRule.ResourceType=NETWORKINTERFACE
&SourceIpTranslationNatRule.PrivateIpAddress=10.80.80.41
&SourceIpTranslationNatRule.PublicIpAddresses.0=180.12.59.43
&SourceIpTranslationNatRule.Description=test_snat
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InternalServerError	Internal error.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NatGatewaySnatRuleNotExists	The SNAT forwarding rule of the NAT gateway does not exist.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.UnbindEIP	EIP is not bound.

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RefreshDirectConnectGatewayRouteToNatGateway

Last updated：2024-11-25 20:08:39

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to refresh the route between a NAT gateway and Direct Connect and update the associated route table.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RefreshDirectConnectGatewayRouteToNatGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC ID
NatGatewayId	Yes	String	The NAT gateway ID.
DryRun	Yes	Boolean	Whether it is pre-refresh. Valid values: `True` (yes) and `False` (no)

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3. Output Parameters

Parameter Name	Type	Description
DirectConnectSubnetSet	Array of DirectConnectSubnet	IDC subnet information
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Refreshing routes

This example shows you how to refresh routes.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: RefreshDirectConnectGatewayRouteToNatGateway
<Common request parameters>

{
"VpcId": "vpc-3m6kvgrx",
"NatGatewayId": "nat-2jd1e1rm",
"DryRun": "False"
}
```

Output Example

```
{
"Response": {
"RequestId": "b2b08cbc-c0dc-4346-bc55-a9b17a7a2a03",
"DirectConnectSubnetSet": [
{
"DirectConnectGatewayId": "dcg-71awizmv",
"CidrBlock": "99.99.99.77/32"
}
]
```

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```
}
}
```

Example2 Performing a dry run before refreshing the routes

This example shows you how to do a dry run of route refreshing. In this case, only the IDC IP range is returned.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: RefreshDirectConnectGatewayRouteToNatGateway
<Common request parameters>

{
"VpcId": "vpc-3m6kvgrx",
"NatGatewayId": "nat-2jd1e1rm",
"DryRun": "True",
}
```

Output Example

```
{
"Response": {
"RequestId": "928d1513-d3fa-4c4e-b8fd-077cebbc3118",
"DirectConnectSubnetSet": [
{
"DirectConnectGatewayId": "dcg-71awizmv",
"CidrBlock": "99.99.99.77/32"
}
]
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameterValue	The parameter value is invalid.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.

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ResetNatGatewayConnection

Last updated：2024-11-25 20:08:38

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust concurrent connection cap for the NAT gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetNatGatewayConnection.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The NAT gateway ID.
MaxConcurrentConnection	Yes	Integer	Concurrent connections cap of the NAT gateway, such as 1000000, 3000000, 10000000.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Increasing the maximum concurrent connections of a NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ResetNatGatewayConnection
&NatGatewayId=nat-ig8xpno8
&MaxConcurrentConnection=3000000
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.
UnsupportedOperation.UnpaidOrderAlreadyExists	Overdue payments are found under this account. Please complete the payment first.

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AssociateNatGatewayAddress

Last updated：2024-11-25 20:08:54

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to bind an EIP to a NAT gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateNatGatewayAddress.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The ID of the NAT gateway, such as `nat-df45454` .
AddressCount	No	Integer	The number of EIPs you want to apply for. Either `AddressCount` or `PublicAddresses` must be passed in.
PublicIpAddresses.N	No	Array of String	Array of the EIPs bound to the NAT gateway. Either `AddressCount` or

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			`PublicAddresses` must be passed in.
Zone	No	String	The availability zone of the EIP, which is passed in when the EIP is automatically assigned.
StockPublicIpAddressesBandwidthOut	No	Integer	The bandwidth size (in Mbps) of the EIP bound to the NAT gateway, which defaults to the maximum value applicable for the current user type.
PublicIpAddressesBandwidthOut	No	Integer	The size of the public network IP bandwidth to be applied for (in Mbps), which defaults to the maximum value applicable for the current user type.
PublicIpFromSameZone	No	Boolean	Whether the public IP and the NAT gateway must be in the same availability zone. Valid values: `true` and `false`. This parameter is valid only when `Zone` is specified.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Binding an EIP to a NAT gateway

Binding an EIP to a NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AssociateNatGatewayAddress
&NatGatewayId=nat-mdbjfr0y
```

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```
&PublicIpAddresses.0=139.199.232.212
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.EIPBrandWidthOutInvalid	Exceeded the upper limit.

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InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded.AddressQuotaLimitExceeded	The number of EIPs applied for exceeds the upper limit.
LimitExceeded.DailyAllocateAddressQuotaLimitExceeded	The number of EIPs applied for per day exceeds the upper limit.
LimitExceeded.PublicIpAddressPerNatGatewayLimitExceeded	The number of EIPs bound to the NAT gateway has reached the upper limit.
ResourceInUse	The resource is occupied.
ResourceInUse.Address	The specified IP address is already in use.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.PublicIpAddressIsNotBGPIp	The EIP bound to the NAT gateway is not a BGP IP.
UnsupportedOperation.PublicIpAddressIsNotExisted	The EIP bound to the NAT gateway does not exist.
UnsupportedOperation.PublicIpAddressNotBilledByTraffic	The EIP bound to the NAT gateway is not bill-by-traffic.

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CreateNatGateway

Last updated：2024-11-25 20:05:01

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a NAT Gateway.
Before taking actions on a NAT gateway, ensure that it has been successfully created, namely, the `State` field in the response of the `DescribeNatGateway` API is `AVAILABLE` .

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateNatGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayName	Yes	String	NAT gateway name
VpcId	Yes	String	The ID of the VPC instance, which can be obtained from the `VpcId` field in response of the `DescribeVpcs` API.

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InternetMaxBandwidthOut	No	Integer	The maximum outbound bandwidth of the NAT gateway (unit: Mbps). Supported parameter values: `20, 50, 100, 200, 500, 1000, 2000, 5000`. Default: `100`.
MaxConcurrentConnection	No	Integer	The concurrent connection cap of the NAT gateway. Values: `1000000, 3000000, 10000000`. The default value is `1000000`.
AddressCount	No	Integer	The number of EIPs that you want to apply for. Either `AddressCount` or `PublicIpAddresses` must be passed in.
PublicIpAddresses.N	No	Array of String	The EIP array bound to the NAT gateway. Either AddressCount or PublicIpAddresses must be passed in.
Zone	No	String	The availability zone, such as `ap-guangzhou-1`.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}]
StockPublicIpAddressesBandwidthOut	No	Integer	The bandwidth size (in Mbps) of the EIP bound to the NAT gateway, which defaults to the maximum value applicable for the current user type.
PublicIpAddressesBandwidthOut	No	Integer	The size of the public network IP bandwidth to be applied for (in Mbps), which defaults to the maximum value applicable for the current user type.
PublicIpFromSameZone	No	Boolean	Whether the public IP and the NAT gateway must be in the same availability zone. Valid values: `true` and `false`. This parameter is valid only when `Zone` is specified.
NatProductVersion	No	Integer	NAT gateway major version. `1`: Classic, `2`: Standard

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3. Output Parameters

Parameter Name	Type	Description
NatGatewaySet	Array of NatGateway	NAT gateway object array.
TotalCount	Integer	The number of eligible NAT gateway objects.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a NAT gateway

This example shows you how to create a classic NAT gateway and get an auto-assigned EIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNatGateway
<Common request parameters>

{
"VpcId": "vpc-abcdefgh",
"PublicIpAddresses": [
"139.199.232.119"
],
"MaxConcurrentConnection": "1000000",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
],
"InternetMaxBandwidthOut": "10",
"NatGatewayName": "test_name",
```

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```
"AddressCount": "1"
}
```

Output Example

```
{
"Response": {
"NatGatewaySet": [
{
"NatGatewayId": "nat-cqbn23ju",
"NatGatewayName": "11111",
"VpcId": "vpc-qi4ja3sx",
"CreatedTime": "2019-07-16 09:40:00",
"State": "AVAILABLE",
"NetworkState": "AVAILABLE",
"InternetMaxBandwidthOut": 10,
"MaxConcurrentConnection": 1000000,
"SecurityGroupSet": [],
"PublicIpAddressSet": [
{
"AddressId": "eip-9uw5fwsu",
"PublicIpAddress": "139.199.232.119",
"IsBlocked": false
},
{
"AddressId": "eip-9uw5fsss",
"PublicIpAddress": "139.199.232.221",
"IsBlocked": false
}
],
"DestinationIpPortTranslationNatRuleSet": [],
"DirectConnectGatewayIds": [],
"Zone": "ap-guangzhou-2",
"ExclusiveGatewayBandwidth": 1,
"IsExclusive": true,
"RestrictState": "NORMAL",
"SourceIpTranslationNatRuleSet": [],
"SubnetId": "1215354",
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
]
}
],
```

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```
"TotalCount": 1,
"RequestId": "6f2a42cf-2905-4fa5-af49-0f01612550de"
}
}
```

Example2 Creating a standard NAT gateway

This example shows you how to create a standard NAT gateway and get an auto-assigned EIP.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNatGateway
<Common request parameters>

{
"SubnetId": "subnet-q1b8fsg",
"AddressCount": "1",
"NatGatewayName": "xiaooliang_test",
"VpcId": "vpc-bohigpb7"
}
```

Output Example

```
{
"Response": {
"NatGatewaySet": [
{
"NatGatewayId": "nat-o49t53q2",
"NatGatewayName": "xiaooliang_test",
"VpcId": "vpc-bohigpb7",
"State": "PENDING",
"NetworkState": "AVAILABLE",
"InternetMaxBandwidthOut": 100,
"MaxConcurrentConnection": 1000000,
"PublicIpAddressSet": [],
"DestinationIpPortTranslationNatRuleSet": [],
"CreatedTime": "0000-00-00 00:00:00",
"Zone": "",
"TagSet": [],
"DirectConnectGatewayIds": [],
"SubnetId": "subnet-q1b8fsgu",
"SecurityGroupSet": [],
"SourceIpTranslationNatRuleSet": [],
```

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```
"IsExclusive": false,
"RestrictState": "NORMAL",
"ExclusiveGatewayBandwidth": null
}
],
"TotalCount": 1,
"RequestId": "7b00a07c-7358-4f0a-b81c-8ce5882a87b8"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
AddressQuotaLimitExceeded	The account quota is reached. Each Tencent Cloud account can create up to 20 EIPs in each region.
InternalError.ModuleError	Internal module error

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InternalServerError	Internal error.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressState	The operation cannot be performed on the specified EIP in current status.
InvalidParameter	A parameter error occurred.
InvalidParameterValue.EIPBrandWidthOutInvalid	Exceeded the upper limit.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidVpcId.Malformed	Invalid VPC. The VPC instance ID is invalid.
InvalidVpcId.NotFound	Invalid VPC. The VPC resource does not

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	exist.
LimitExceeded.AddressQuotaLimitExceeded	The number of EIPs applied for exceeds the upper limit.
LimitExceeded.DailyAllocateAddressQuotaLimitExceeded	The number of EIPs applied for per day exceeds the upper limit.
LimitExceeded.NatGatewayLimitExceeded	Reached the upper limit of NAT gateways.
LimitExceeded.NatGatewayPerVpcLimitExceeded	The number of NAT gateways created by the VPC has reached the upper limit.
LimitExceeded.PublicIpAddressPerNatGatewayLimitExceeded	The number of EIPs bound to the NAT gateway has reached the upper limit.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
ResourceInUse.Address	The specified IP address is already in use.
ResourceInsufficient.Instance	
ResourceNotFound	The resource does not exist.
UnauthorizedOperation.NoRealNameAuthentication	Identity verification has not been completed for the account.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.
UnsupportedOperation.InsufficientInternetServiceProviders	
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.NatGatewayHadEipUnassociate	There are IPs associated with this NAT gateway.

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UnsupportedOperation.NotSupportZone	
UnsupportedOperation.PublicIpAddressIsNotBGPIp	The EIP bound to the NAT gateway is not a BGP IP.
UnsupportedOperation.PublicIpAddressIsNotExisted	The EIP bound to the NAT gateway does not exist.
UnsupportedOperation.PublicIpAddressNotBilledByTraffic	The EIP bound to the NAT gateway is not bill-by-traffic.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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ModifyNatGatewayAttribute

Last updated：2024-11-25 20:04:52

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the attributes of a NAT gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNatGatewayAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NatGatewayId	Yes	String	The ID of the NAT gateway, such as `nat-df45454` .
NatGatewayName	No	String	The NAT gateway name, such as `test_nat` .
InternetMaxBandwidthOut	No	Integer	The maximum outbound bandwidth of the NAT gateway. Unit: Mbps.
ModifySecurityGroup	No	Boolean	Whether to modify the security group bound to the NAT gateway

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SecurityGroupIds.N	No	Array of String	The final security groups bound to the NAT Gateway, such as `['sg-1n232323', 'sg-o4242424']`. An empty list indicates that all the security groups have been deleted.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the attributes of a NAT Gateway

This example shows you how to modify the NAT gateway name and maximum outbound bandwidth. To adjust the maximum concurrent connections of a NAT gateway, please use `ResetNatGatewayConnection`.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNatGatewayAttribute
<Common request parameters>

{
"InternetMaxBandwidthOut": "500",
"NatGatewayId": "nat-ig8xpno8",
"NatGatewayName": "Test natNAT gateway"
}
```

Output Example

```
{
"Response": {
"RequestId": "e5c289dc-bf4b-4828-8093-3c434d1f0886"
```

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```
}
}
```

Example2 Changing the SNAT mode of a NAT gateway

This example shows you how to modify the `StrictSnatMode` status of a NAT gateway

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNatGatewayAttribute
<Common request parameters>

{
"NatGatewayId": "nat-owj32fec"
}
```

Output Example

```
{
"Response": {
"RequestId": "5acefde4-3be5-4582-a432-742081e1c904"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InsufficientInternetServiceProviders	

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Direct Connect Gateway APIs
CreateDirectConnectGateway

Last updated：2024-11-25 20:09:40

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a direct connect gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateDirectConnectGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DirectConnectGatewayName	Yes	String	The name of the direct connect gateway.
NetworkType	Yes	String	The type of the associated network. Valid values: • VPC • CCN
NetworkInstanceId	Yes	String	• When the NetworkType is VPC, this value is the VPC instance ID

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			• When the NetworkType is CCN, this value is the CCN instance ID
GatewayType	No	String	The type of the gateway. Valid values: • NORMAL - (Default) Standard type. Note: CCN only supports the standard type • NAT - NAT type NAT gateway supports network address translation. The specified type cannot be modified. A VPC can create one NAT direct connect gateway and one non-NAT direct connect gateway
ModeType	No	String	CCN route publishing method. Valid values: `standard` and `exquisite`. This parameter is only valid for the CCN direct connect gateway.
Zone	No	String	Availability zone where the direct connect gateway resides.
HaZoneGroupId	No	String	ID of DC highly available placement group

3. Output Parameters

Parameter Name	Type	Description
DirectConnectGateway	DirectConnectGateway	The object of the direct connect gateway.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a NAT direct connect gateway associated with a VPC

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateDirectConnectGateway
&DirectConnectGatewayName=test
&NetworkType=VPC
&NetworkInstanceId=vpc-m7sr81gh
```

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```
&GatewayType=NAT
&<Common request parameters>
```

Output Example


```
{
"Response": {
"DirectConnectGateway": {
"DirectConnectGatewayId": "dcg-gjug0kul",
"DirectConnectGatewayName": "test",
"DirectConnectGatewayIp": "10.21.0.5",
"EnableBGPCommunity": false,
"VpcId": "vpc-m7sr81gh",
"CcnId": "",
"EnableBGP": false,
"CcnRouteType": "BGP",
"NetworkType": "VPC",
"NetworkInstanceId": "vpc-m7sr81gh",
"GatewayType": "NAT",
"VXLANSupport": [
true
],
"NatGatewayId": "nat-m7dr11gc",
"LocalZone": false,
"Zone": "ap-guangzhou-1",
"ModeType": "standard",
"NewAfc": 0,
"FlowDetailsUpdateTime": "xx",
"EnableFlowDetails": 0,
"AccessNetworkType": "Unknown",
"CreateTime": "2020-09-22 00:00:00"
},
"RequestId": "b8351d12-3c82-4d4b-9d88-972e02ca4620"
}
}
```


Example2 Creating a standard direct connect gateway associated with a CCN

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateDirectConnectGateway
&DirectConnectGatewayName=test
&NetworkType=CCN
&NetworkInstanceId=ccn-8j0phqix
```

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```
&GatewayType=NORMAL
&<Common request parameters>
```

Output Example


```
{
"Response": {
"DirectConnectGateway": {
"DirectConnectGatewayId": "dcg-3vwxt61v",
"DirectConnectGatewayName": "test",
"VpcId": "vpc-iliii3ejt",
"NetworkType": "CCN",
"NetworkInstanceId": "ccn-c1aopa13",
"GatewayType": "NORMAL",
"EnableBGPCommunity": true,
"EnableBGP": true,
"CcnId": "ccn-8j0phqix",
"CcnRouteType": "BGP",
"NatGatewayId": "",
"DirectConnectGatewayIp": "10.21.0.5",
"LocalZone": false,
"Zone": "ap-guangzhou-1",
"ModeType": "standard",
"VXLANSupport": [
true
],
"CreateTime": "0000-00-00 00:00:00",
"NewAfc": 1,
"FlowDetailsUpdateTime": "xx",
"EnableFlowDetails": 0,
"AccessNetworkType": "VXLAN"
},
"RequestId": "b8351d12-3c82-4d4b-9d88-972e02ca4620"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.VpgHaGroupNotFound	The cross-AZ placement group of the DC gateway doesn't exist.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.CcnRouteTableNotExist	The specified route table does not exist.
UnsupportedOperation.UnableCrossBorder	Cross border is not supported.

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CreateDirectConnectGatewayCcnRoutes

Last updated：2024-11-25 20:09:39

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (CreateDirectConnectGatewayCcnRoutes) is used to create the CCN route (IDC IP range) of a Direct Connect gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used API: CreateDirectConnectGatewayCcn
Version	Yes	String	Common Params. The value used API: 2017-03-12.
Region	Yes	String	Common Params. For more inform please see the list of regions suppo by the product.
DirectConnectGatewayId	Yes	String	The ID of the Direct Connect gatev such as `dcg-prpqlmg1`
Routes.N	Yes	Array of DirectConnectGatewayCcnRoute	The list of IDC IP range that must b connected

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating the CCN routes of a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateDirectConnectGatewayCcnRoutes
&<Common request parameters>
&DirectConnectGatewayId=dcg-prpqlmg1
&Routes.0.DestinationCidrBlock=10.2.2.0/24
&Routes.1.DestinationCidrBlock=10.2.3.0/24
```

Output Example

```
{
"Response": {
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DeleteDirectConnectGateway

Last updated：2024-11-25 20:09:37

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a direct connect gateway.

- For a NAT gateway, NAT and ACL rules will be cleared upon the deletion of a direct connect gateway.
- After the deletion of a direct connect gateway, the routing policy associated with the gateway in the route table will also be deleted. This API is completed asynchronously. If you need to query the async job execution results, please use the `RequestId` returned by this API to poll the `QueryTask` API.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteDirectConnectGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DirectConnectGatewayId	Yes	String	The unique `ID` of the direct connect gateway, such as `dcg-9o233uri`.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteDirectConnectGateway
&DirectConnectGatewayId=dcg-9o233uri
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.DCGatewayNatRuleExists	Unable to delete: There're NAT rules associated with this direct connect gateway. Please delete all NAT rules first.
UnsupportedOperation.RouteTableHasSubnetRule	The routing table is bound to a subnet.

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DeleteDirectConnectGatewayCcnRoutes

Last updated：2024-11-25 20:09:36

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteDirectConnectGatewayCcnRoutes) is used to delete the CCN routes (IDC IP range) of a Direct Connect gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteDirectConnectGatewayCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DirectConnectGatewayId	Yes	String	The ID of the Direct Connect gateway, such as `dcg-prpqlmg1`
RouteIds.N	Yes	Array of String	The route ID, such as `ccnr-f49l6u0z` .

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the CCN routes of a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteDirectConnectGatewayCcnRoutes
&DirectConnectGatewayId=dcg-prpqlmg1
&RouteIds.0=ccnr-bvipc87w
&RouteIds.1=ccnr-oc61so0o
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DescribeDirectConnectGatewayCcnRoutes

Last updated：2024-11-25 20:09:35

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeDirectConnectGatewayCcnRoutes) is used to query the CCN routes (IDC IP range) of the Direct Connect gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDirectConnectGatewayCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DirectConnectGatewayId	Yes	String	The ID of the Direct Connect gateway, such as `dcg-prpqlmg1` .
CcnRouteType	No	String	The route learning type of the CCN. Available values: • `BGP` - Automatic learning. • `STATIC` - Static means user-configured. This is the default value.

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Offset	No	Integer	Offset.
Limit	No	Integer	The returned quantity.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
RouteSet	Array of DirectConnectGatewayCcnRoute	The CCN route (IDC IP range) list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the CCN routes of a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeDirectConnectGatewayCcnRoutes
&DirectConnectGatewayId=dcg-prpqlmg1
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RouteSet": [
{
"RouteId": "ccnr-bvipc87w",
"DestinationCidrBlock": "10.33.0.0/24",
"UpdateTime": "xx",
"Description": "xx",
"ASPath": [
```

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```
"1000",
"2000",
"3000"
]
},
{
"RouteId": "ccnr-oc61so0o",
"DestinationCidrBlock": "192.168.0.0/24",
"UpdateTime": "xx",
"Description": "xx",
"ASPath": []
}
],
"TotalCount": 2,
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```


5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

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Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeDirectConnectGateways

Last updated：2024-11-25 20:09:34

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query direct connect gateways.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeDirectConnectGateways.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DirectConnectGatewayIds.N	No	Array of String	The unique ID of the direct connect gateway, such as `dcg-9o233uri` .
Filters.N	No	Array of Filter	Filter condition. `DirectConnectGatewayIds` and `Filters` cannot be specified at the same time. • direct-connect-gateway-id - String - The unique ID of the direct connect gateway, such as `dcg-9o233uri` .

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			• direct-connect-gateway-name - String - The name of the direct connect gateway. The default is fuzzy query. • direct-connect-gateway-ip - String - The IP of the direct connect gateway. • gateway-type - String - The gateway type. Valid values: `NORMAL` (Standard type), `NAT` (NAT type). • network-type- String - The network type. Valid values: `VPC` (VPC type), `CCN` (CCN type). • ccn-id - String - The ID of the CCN where the direct connect gateway resides. • vpc-id - String - The ID of the VPC where the direct connect gateway resides.
Offset	No	Integer	The offset.
Limit	No	Integer	Max number of results returned

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of eligible objects.
DirectConnectGatewaySet	Array of DirectConnectGateway	The object array of the direct connect gateway.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying direct connect gateways by ID

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeDirectConnectGateways
&DirectConnectGatewayIds.0=dcg-dimeg9zd
```

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```
&DirectConnectGatewayIds.1=dcg-6eeis68f
&DirectConnectGatewayIds.2=dcg-94cdyvfr
&<Common request parameters>
```

Output Example


```
{
"Response": {
"DirectConnectGatewaySet": [
{
"DirectConnectGatewayId": "dcg-6eeis68f",
"DirectConnectGatewayName": "shiliangxie_test",
"DirectConnectGatewayIp": "10.6.223.4",
"GatewayType": "NORMAL",
"NetworkType": "CCN",
"NetworkInstanceId": "",
"VpcId": "vpc-jkmjx7pd",
"CcnId": "",
"CcnRouteType": "STATIC",
"EnableBGP": false,
"CreateTime": "2018-10-22 21:22:26"
},
{
"DirectConnectGatewayId": "dcg-94cdyvfr",
"DirectConnectGatewayName": "test",
"DirectConnectGatewayIp": "10.144.25.62",
"GatewayType": "NORMAL",
"NetworkType": "CCN",
"NetworkInstanceId": "",
"VpcId": "vpc-f796it7v",
"CcnId": "",
"CcnRouteType": "STATIC",
"EnableBGP": false,
"CreateTime": "2018-08-21 11:40:09"
},
{
"DirectConnectGatewayId": "dcg-dimeg9zd",
"DirectConnectGatewayName": "test",
"DirectConnectGatewayIp": "10.144.25.62",
"GatewayType": "NORMAL",
"NetworkType": "CCN",
"NetworkInstanceId": "ccn-atw2c2j1",
"VpcId": "vpc-eg3eig77",
"CcnId": "ccn-atw2c2j1",
"CcnRouteType": "STATIC",
"EnableBGP": false,
```


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```
"CreateTime": "2018-08-21 11:36:50"
}
],
"TotalCount": 3,
"RequestId": "1b64d03b-7d2d-4d9b-b46e-49de115ac283"
}
}
```

Example2 Querying the list of direct connect gateways by multiple conditions

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeDirectConnectGateways
&Filters.0.Name=direct-connect-gateway-name
&Filters.0.Values.0=test
&Filters.1.Name=gateway-type
&Filters.1.Values.0=NORMAL
&Filters.2.Name=vpc-id
&Filters.2.Values.0=vpc-f796it7v
&Filters.2.Values.1=vpc-jkmjx7pd
&<Common request parameters>
```

Output Example

```
{
"Response": {
"DirectConnectGatewaySet": [
{
"DirectConnectGatewayId": "dcg-94cdyvfr",
"DirectConnectGatewayName": "test",
"DirectConnectGatewayIp": "10.144.25.62",
"GatewayType": "NORMAL",
"NetworkType": "CCN",
"NetworkInstanceId": "",
"VpcId": "vpc-f796it7v",
"CcnId": "",
"CcnRouteType": "STATIC",
"EnableBGP": false,
"CreateTime": "2018-08-21 11:40:09"
},
{
"DirectConnectGatewayId": "dcg-6eeis68f",
"DirectConnectGatewayName": "shiliangxie_test",
"DirectConnectGatewayIp": "10.6.223.4",
"GatewayType": "NORMAL",
```

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```
"NetworkType": "CCN",
"NetworkInstanceId": "",
"VpcId": "vpc-jkmjx7pd",
"CcnId": "",
"CcnRouteType": "STATIC",
"EnableBGP": false,
"CreateTime": "2018-10-22 21:22:26"
}
],
"TotalCount": 2,
"RequestId": "8c77ce69-68e2-4dfa-94ea-a6df5c914f52"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error

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InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ActionNotFound	The port does not exist.

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InquirePriceCreateDirectConnectGateway

Last updated：2024-11-25 20:09:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the price of creating a direct connect gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InquirePriceCreateDirectConnectGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

3. Output Parameters

Parameter Name	Type	Description
TotalCost	Integer	Standard access fee for a direct connect gateway Note: this field may return `null` , indicating that no valid values can be obtained.

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RealTotalCost	Integer	Actual access fee for a direct connect gateway Note: this field may return `null` , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the price of creating a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=InquirePriceCreateDirectConnectGateway
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCost": 10,
"RealTotalCost": 10,
"RequestId": "128826e5-2881-4c60-9168-73899331801c"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

There is no error code related to the API business logic. For other error codes, please see Common Error Codes.

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ModifyDirectConnectGatewayAttribute

Last updated：2024-11-25 20:09:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the attributes of a direct connect gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyDirectConnectGatewayAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DirectConnectGatewayId	Yes	String	The unique ID of the direct connect gateway, such as `dcg-9o233uri` .
DirectConnectGatewayName	No	String	The direct connect gateway name. You can enter any name within 60 characters.
CcnRouteType	No	String	The CCN route-learning type. Valid values: `BGP` (Automatic learning), `STATIC` (Static, that is, user-configured). You can only modify `CcnRouteType` for a CCN direct connect gateway with BGP enabled.

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ModeType	No	String	CCN route publishing method. Valid values: `standard` and `exquisite`. You can only modify `ModeType` for a CCN direct connect gateway.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the attributes of a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyDirectConnectGatewayAttribute
&DirectConnectGatewayId=dcg-k6cswwhx
&DirectConnectGatewayName=new+name
&CcnRouteType=BGP
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fcb47621-838b-428e-8c33-6e210d93c451"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.DirectConnectGatewayIsUpdatingCommunity	Direct connect gateway is updating the BGP Community attribute.

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ReplaceDirectConnectGatewayCcnRoutes

Last updated：2024-11-25 20:09:29

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ReplaceDirectConnectGatewayCcnRoutes) is used to modify the specified route according to the route ID. Batch modification is supported.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used API: ReplaceDirectConnectGatewayCc
Version	Yes	String	Common Params. The value used API: 2017-03-12.
Region	Yes	String	Common Params. For more inform please see the list of regions suppo the product.
DirectConnectGatewayId	Yes	String	The ID of the Direct Connect gatev such as `dcg-prpqlmg1`
Routes.N	Yes	Array of DirectConnectGatewayCcnRoute	The list of IDC IP range that must b connected

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Replacing the CCN routes of a direct connect gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ReplaceDirectConnectGatewayCcnRoutes
&<Common request parameters>
&DirectConnectGatewayId=dcg-prpqlmg1
&Routes.0.RouteId=ccnr-bvipc87w
&Routes.0.DestinationCidrBlock=10.2.2.0/24
&Routes.1.RouteId=ccnr-oc61so0o
&Routes.1.DestinationCidrBlock=10.2.3.0/24
```

Output Example

```
{
"Response": {
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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AssociateDirectConnectGatewayNatGateway

Last updated：2024-11-25 20:09:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to bind a direct connect gateway with a NAT gateway, and direct its default route to the NAT Gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateDirectConnectGatewayNatGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC instance ID. VPC instance ID, which can be obtained from the `VpcId` field in the response of the `DescribeVpcs` API.
NatGatewayId	Yes	String	The NAT Gateway ID.
DirectConnectGatewayId	Yes	String	The direct connect gateway ID.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Binding a direct connect gateway with a NAT gateway

This example shows you how to bind a direct connect gateway with a public NAT gateway instance.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AssociateDirectConnectGatewayNatGateway
&VpcId=vpc-8xpno8ee
&DirectConnectGatewayId=dcg-fxa6gh5t
&NatGatewayId=nat-ig8xpno8
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.VpgTypeNotMatch	This feature is not available for this direct connect gateway.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation	Unsupported operation.

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DisassociateDirectConnectGatewayNatGateway

Last updated：2024-11-25 20:09:33

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind a direct connect gateway from a NAT Gateway. After unbinding, the direct connect gateway cannot access internet through the NAT Gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateDirectConnectGatewayNatGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The direct connect gateway ID.
NatGatewayId	Yes	String	The NAT Gateway ID.
DirectConnectGatewayId	Yes	String	The ID of the VPC instance, which can be obtained from the `VpcId` field in response of the `DescribeVpcs`

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			API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding a direct connect gateway from a NAT gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisassociateDirectConnectGatewayNatGateway
&VpcId="vpc-8xpno8ee"
&DirectConnectGatewayId="dcg-fxa6gh5t"
&NatGatewayId="nat-ig8xpno8"
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "dbffc3f0-1807-4683-89ee-2d2b96425ee1"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation	Unsupported operation.

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Cloud Connect Network APIs AcceptAttachCcnInstances

Last updated：2024-11-25 20:10:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (AcceptAttachCcnInstances) is used to associate instances across accounts. Cloud Connect Network (CCN) owners accept and agree to the operations.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AcceptAttachCcnInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z` .
Instances.N	Yes	Array of CcnInstance	List of associated instances.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Accepting association request from instances

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AcceptAttachCcnInstances
&CcnId=ccn-gree226l
&Instances.0.InstanceType=VPC
&Instances.0.InstanceId=vpc-3dr1zrr9
&Instances.0.InstanceRegion=ap-guangzhou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.CcnNotAttached	The instance is not associated with a CCN.
UnsupportedOperation.InvalidInstanceState	Invalid instance status.
UnsupportedOperation.IsNotFinanceAccount	The account of the instance associated with the current CCN is not a Financial Cloud account.
UnsupportedOperation.NotPendingCcnInstance	Unsupported operation: the current CCN instance is not in “Applying” status.
UnsupportedOperation.UnableCrossBorder	Cross border is not supported.
UnsupportedOperation.UnableCrossFinance	The current CCN cannot be associated with a Financial Cloud instance.

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DescribeCrossBorderCompliance

Last updated：2024-11-25 20:06:05

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the compliance review requests created by the user.
A service provider can query all review requests created by any `APPID` under its account. Other users can only query their own review requests.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCrossBorderCompliance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceProvider	No	String	(Exact match) Service provider. Valid values: `UNICOM` .
ComplianceId	No	Integer	(Exact match) ID of compliance review request.
Company	No	String	(Fuzzy match) Company name.
UniformSocialCreditCode	No	String	(Fuzzy match) Unified Social Credit Code.

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LegalPerson	No	String	(Fuzzy match) Legal person.
LegalPersonId	No	String	
IssuingAuthority	No	String	(Fuzzy match) Issuing authority.
BusinessAddress	No	String	(Fuzzy match) Business address.
PostCode	No	Integer	(Exact match) Zip code.
Manager	No	String	(Fuzzy match) Operator.
ManagerId	No	String	(Exact match) Operator ID card number.
ManagerAddress	No	String	(Fuzzy match) Operator address.
ManagerTelephone	No	String	(Exact match) Operator phone number.
Email	No	String	(Exact match) Email.
ServiceStartDate	No	String	(Exact match) Service start date, such as `2020-07-28`.
ServiceEndDate	No	String	(Exact match) Service end date, such as `2020-07-28`.
State	No	String	(Exact match) Status. Valid values: `PENDING`, `APPROVED`, and `DENY`.
Offset	No	Integer	The offset value
Limit	No	Integer	Quantity of returned items

3. Output Parameters

Parameter Name	Type	Description
CrossBorderComplianceSet	Array of CrossBorderCompliance	List of compliance review requests.
TotalCount	Integer	Total number of compliance review requests.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the

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		request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying a compliance review request

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeCrossBorderCompliance
&ServiceProvider=UNICOM
&Company=Guangzhou Tencent Technology Co., Ltd
&UniformSocialCreditCode=91440101327598294H
&LegalPerson=Zhang Ying
&IssuingAuthority=Guangzhou Haizhu District Administration for Market Regulation
&BusinessAddress=Commercial Street F5-1, No. 397-72, Middle Xingang Road, Haizhu
District, Guangzhou City, China
&PostCode=510320
&Manager=Tom
&ManagerId=360732199007108888
&ManagerAddress=No. 8888, Middle Xingang Road, Haizhu District, Guangzhou City, C
hina
&ManagerTelephone=020-81167888
&Email=test@tencent.com
&ServiceStartDate=2020-07-29
&ServiceEndDate=2021-07-29
&<Common request parameters>
```

Output Example

```
{
"Response": {
"CrossBorderComplianceSet": [
{
"ComplianceId": 10013,
"ServiceProvider": "UNICOM",
"Company": "Guangzhou Tencent Technology Co., Ltd",
"UniformSocialCreditCode": "91440101327598294H",
"LegalPerson": "Zhang Ying",
"IssuingAuthority": "Guangzhou Haizhu District Administration for Market Regulati
on",
"BusinessLicense": "**********************************************************"
,
"BusinessAddress": "Commercial Street F5-1, No. 397-72, Middle Xingang Road, Haiz
```

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```
hu District, Guangzhou City, China",
"PostCode": 510320,
"Manager": "Tom",
"ManagerId": "360732199007108888",
"ManagerIdCard": "************************************************************",
"ManagerAddress": "No. 8888, Middle Xingang Road, Haizhu District, Guangzhou Cit
y, China",
"ManagerTelephone": "020-81167888",
"Email": "test@tencent.com",
"ServiceHandlingForm": "************************************************************
***",
"AuthorizationLetter": "************************************************************
***",
"SafetyCommitment": "************************************************************
*",
"ServiceStartDate": "2020-07-29",
"ServiceEndDate": "2021-07-29",
"State": "PENDING",
"CreatedTime": "2020-08-03 16:59:45"
}
],
"TotalCount": 1,
"RequestId": "c3e0aa8b-5dce-467d-a63f-242126b3eabf"
}
}
```


5. Developer Resources

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Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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DetachCcnInstances

Last updated：2024-11-25 20:09:52

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DetachCcnInstances) is used to unbind a specified network instance from a CCN instance.

After unbinding the network instance, the corresponding routing policy will also be deleted.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DetachCcnInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z` .
Instances.N	Yes	Array of CcnInstance	The list of network instances to be unbound

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disassociating multiple network instances from a CCN

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DetachCcnInstances
&CcnId=ccn-gree226l
&Instances.0.InstanceType=VPC
&Instances.0.InstanceId=vpc-3dr1zrr9
&Instances.0.InstanceRegion=ap-guangzhou
&Instances.1.InstanceType=DIRECTCONNECT
&Instances.1.InstanceId=dcg-98qosdc3
&Instances.1.InstanceRegion=ap-guangzhou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ParameterMismatch	Invalid parameter format
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.AppIdNotFound	The APPId doesn't exist.
UnsupportedOperation.CcnNotAttached	The instance is not associated with a CCN.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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EnableCcnRoutes

Last updated：2024-11-25 20:09:50

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (EnableCcnRoutes) is used to enable CCN routes that are already added.

This API is used to verify whether there will be conflict with an existing route after a CCN route is enabled. If there is a conflict, the route will not be enabled, and the process will fail. When a conflict occurs, you must disable the conflicting route before you can enable the desired route.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: EnableCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z`.
RouteIds.N	Yes	Array of String	The unique ID of the CCN routing policy, such as `ccnr-f49l6u0z`.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling multiple routing policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=EnableCcnRoutes
&CcnId=ccn-gree226l
&RouteIds.0=ccnr-bvipc87w
&RouteIds.1=ccnr-oc61so0o
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.Ecmp	ECMP is not supported.

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ModifyCcnAttachedInstancesAttribute

Last updated：2024-11-25 20:09:48

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify CCN-associated instance attributes. Currently, only the `description` can be modified.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCcnAttachedInstancesAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	CCN instance ID in the format of `ccn-f49l6u0z`
Instances.N	Yes	Array of CcnInstance	List of associated network instances

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the description of a CCN-associated instance

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyCcnAttachedInstancesAttribute
&CcnId=ccn-gree226l
&Instances.0.InstanceType=VPC
&Instances.0.InstanceId=vpc-3dr1zrr9
&Instances.0.InstanceRegion=ap-guangzhou
&Instances.0.Description=test0
&Instances.1.InstanceType=DIRECTCONNECT
&Instances.1.InstanceId=dcg-98qosdc3
&Instances.1.InstanceRegion=ap-guangzhou
&Instances.1.Description=test1
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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ModifyCcnAttribute

Last updated：2024-11-25 20:09:47

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyCcnAttribute) is used to modify CCN attributes.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCcnAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z` .
CcnName	No	String	The name of CCN instance. Up to 60 characters allowed. It can contain up to 60 bytes. Either `CcnName` or `CcnDescription` must be specified.
CcnDescription	No	String	The description of CCN instance. Up to 100 characters allowed. It can contain up to 60 bytes. Either `CcnName` or `CcnDescription` must be specified.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the name and description of a CCN instance

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyCcnAttribute
&CcnId=ccn-gjug0kul
&CcnName=new+name
&CcnDescription=new+description
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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RejectAttachCcnInstances

Last updated：2024-11-25 20:09:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (RejectAttachCcnInstances) is used to reject association operations when instances are associated across accounts for the CCN owner.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RejectAttachCcnInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z`.
Instances.N	Yes	Array of CcnInstance	The list of instances whose association is rejected.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Rejecting an association request

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=RejectAttachCcnInstances
&CcnId=ccn-gree226l
&Instances.0.InstanceType=VPC
&Instances.0.InstanceId=vpc-3dr1zrr9
&Instances.0.InstanceRegion=ap-guangzhou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.CcnNotAttached	The instance is not associated with a CCN.
UnsupportedOperation.NotPendingCcnInstance	Unsupported operation: the current CCN instance is not in “Applying” status.

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ResetAttachCcnInstances

Last updated：2024-11-25 20:09:43

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ResetAttachCcnInstances) is used to re-apply for the association operation when the application for cross-account instance association expires.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetAttachCcnInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z` .
CcnUin	Yes	String	The UIN (root account) to which the CCN belongs.
Instances.N	Yes	Array of CcnInstance	The list of network instances that re-apply for association.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Re-sending the association application for an instance

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ResetAttachCcnInstances
&CcnId=ccn-gree226l
&CcnUin=979137
&Instances.0.InstanceType=VPC
&Instances.0.InstanceId=vpc-3dr1zrr9
&Instances.0.InstanceRegion=ap-guangzhou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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CreateCcn

Last updated：2024-11-25 20:09:59

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a CCN instance.

- You can add tags to a CCN instance upon the creation. The tags are added successfully if they are listed in the response.
- There is a quota of CCN instances for each account. For more information, see product documentation. To increase the quota, please submit a ticket.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateCcn.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnName	Yes	String	The name of the CCN. The maximum length is 60 characters.
CcnDescription	No	String	The description of the CCN. The maximum length is 100 characters.
QosLevel	No	String	CCN service quality, 'PT': Platinum, 'AU': Gold, 'AG': Silver.

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			The default is 'AU'.
InstanceChargeType	No	String	The billing method. POSTPAID: postpaid by traffic. Default: POSTPAID.
BandwidthLimitType	No	String	The bandwidth limit type. Valid values: OUTER_REGION_LIMIT: region outbound bandwidth limit; INTER_REGION_LIMIT: inter-region bandwidth limit. Default value: OUTER_REGION_LIMIT. Monthly-subscribed CCN instances only support inter-region bandwidth limit, while pay-as-you-go CCN instances support the both bandwidth limit types.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].

3. Output Parameters

Parameter Name	Type	Description
Ccn	CCN	The CCN object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a CCN

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateCcn
&<Common request parameters>
&CcnName=test+name
&CcnDescription=test+description
&QosLevel=PT
&Tags.0.Key=city
&Tags.0.Value=shanghai
```

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Output Example


```
{
"Response": {
"Ccn": {
"CcnId": "ccn-gjug0kul",
"CcnName": "test name",
"CcnDescription": "test description",
"InstanceCount": 0,
"QosLevel": "PT",
"InstanceChargeType": "POSTPAID",
"BandwidthLimitType": "OUTER_REGION_LIMIT",
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
]
},
"RequestId": "b8351d12-3c82-4d4b-9d88-972e02ca4620"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ParameterMismatch	Invalid parameter format
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.

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LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
UnauthorizedOperation.NoRealNameAuthentication	Identity verification has not been completed for the account.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.
UnsupportedOperation.PrepaidCcnOnlySupportInterRegionLimit	The monthly subscription CCN instance only supports the inter-region bandwidth limit.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.
UnsupportedOperation.UserAndCcnChargeTypeNotMatch	The selected CCN instance cannot be created because the payment type is not supported.

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DeleteCcn

Last updated：2024-11-25 20:09:58

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteCcn) is used to delete CCNs.

- After deletion, the routes between all instances associated with the CCN will be deleted, and the network will be interrupted. Please confirm this operation in advance.
- CCN deletion is an irreversible operation. Please proceed with caution.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteCcn.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z` .

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a CCN instance

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteCcn
&CcnId=ccn-8j0phqix
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ParameterMismatch	Invalid parameter format
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.BandwidthNotExpired	Unable to delete the current CCN instance: its monthly-subscribed bandwidth does not expire.
UnsupportedOperation.CcnHasFlowLog	This CCN instance cannot be deleted as it has flow logs.
UnsupportedOperation.RouteTableCanNotDelete	

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DisableCcnRoutes

Last updated：2024-11-25 20:09:51

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DisableCcnRoutes) is used to disable CCN routes that are already enabled.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisableCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z`.
RouteIds.N	Yes	Array of String	The unique ID of the CCN routing policy, such as `ccnr-f49l6u0z`.

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disabling multiple routing policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisableCcnRoutes
&CcnId=ccn-gree226l
&RouteIds.0=ccnr-bvipc87w
&RouteIds.1=ccnr-oc61so0o
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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SetCcnRegionBandwidthLimits

Last updated：2024-11-25 20:09:42

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (SetCcnRegionBandwidthLimits) is used to set the outbound bandwidth cap for CCNs in each region. This API can only set the outbound bandwidth cap for regions in the network instances that have already been associated.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SetCcnRegionBandwidthLimits.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z`.
CcnRegionBandwidthLimits.N	Yes	Array of CcnRegionBandwidthLimit	The outbound bandwidth cap of each CCN region.

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SetDefaultLimitFlag	No	Boolean	Whether to restore the region outbound bandwidth limit or inter-region bandwidth limit to default 1 Gbps. Valid values: `false` (no); `true` (yes). Default value: `false`. When the parameter is set to `true`, the CCN instance created will not be displayed in the console.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Setting the inter-region bandwidth limit for CCN regions

To set the inter-region bandwidth limit, you need to specify the source and destination regions. If the source or destination region is a BM region, please set the `IsBm` or `DstIsBm` parameter to be `true`. In the example, the inter-region bandwidth limit between ap-guangzhou and ap-shanghai BM regions is 1,000 Mbps, and that between ap-guangzhou and ap-beijing regions is 500 Mbps.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=SetCcnRegionBandwidthLimits
&CcnId=ccn-gree226l
&CcnRegionBandwidthLimits.0.Region=ap-guangzhou
&CcnRegionBandwidthLimits.0.BandwidthLimit=1000
&CcnRegionBandwidthLimits.0.DstRegion=ap-shanghai
&CcnRegionBandwidthLimits.0.DstIsBm=true
&CcnRegionBandwidthLimits.1.Region=ap-guangzhou
&CcnRegionBandwidthLimits.1.BandwidthLimit=500
&CcnRegionBandwidthLimits.1.DstRegion=ap-beijing
&<Common request parameters>
```

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Output Example

```
{
"Response": {
"RequestId": "9c53ff69-1bb6-4c89-adbb-812233a85acc"
}
}
```

Example2 Setting the outbound bandwidth limit for CCN regions

This example shows you how to set the outbound bandwidth limit for CCN regions. In this case, we will set the limit for `ap-guangzhou` to 1,000 Mbps and `ap-shanghai` to 500 Mbps.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=SetCcnRegionBandwidthLimits
&CcnId=ccn-gree226l
&CcnRegionBandwidthLimits.0.Region=ap-guangzhou
&CcnRegionBandwidthLimits.0.BandwidthLimit=1000
&CcnRegionBandwidthLimits.1.Region=ap-shanghai
&CcnRegionBandwidthLimits.1.BandwidthLimit=500
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "9c53ff69-1bb6-4c89-adbb-812233a85acc"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.NotPostpaidCcnOperation	Unsupported operation: the current CCN instance is not billed on a pay-as-you-go basis.

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AttachCcnInstances

Last updated：2024-11-25 20:10:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to add a network instance to a CCN instance. Network instances include VPCs and Direct Connect gateways.

The number of network instances that each CCN can be associated with is limited. For more information, see the product documentation. If you need to associate more instances, please submit a ticket.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AttachCcnInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z`.
Instances.N	Yes	Array of CcnInstance	List of associated network instances

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CcnUin	No	String	The UIN (root account) of the CCN. By default, the current account belongs to the UIN

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Associating a CCN with multiple network instances

Associating a CCN with multiple network instances

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AttachCcnInstances
&CcnId=ccn-gree226l
&Instances.0.InstanceType=VPC
&Instances.0.InstanceId=vpc-3dr1zrr9
&Instances.0.InstanceRegion=ap-guangzhou
&Instances.1.InstanceType=DIRECTCONNECT
&Instances.1.InstanceId=dcg-98qosdc3
&Instances.1.InstanceRegion=ap-guangzhou
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.CcnAttachBmvpcLimitExceeded	The number of BM VPCs associated with the specified CCN has reached the upper limit.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.CurrentInstanceAttachedCcnInstances	Reached the upper limit of associated CCN instances
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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UnsupportedOperation.AppIdNotFound	The APPId doesn't exist.
UnsupportedOperation.CcnAttached	The instance is already associated with a CCN.
UnsupportedOperation.CcnCrossAccount	You cannot associated the CCN instance with resources under other Tencent Cloud accounts.
UnsupportedOperation.CcnOrdinaryAccountRefuseAttach	In cross-account association, instances under an Auto-Driving Cloud account cannot be associated with CCNs created under an ordinary account.
UnsupportedOperation.CcnRouteTableNotExist	The specified route table does not exist.
UnsupportedOperation.InstanceAndRtbNotMatch	The configured instance does not match with the route table.
UnsupportedOperation.InstanceCdcIdNotMatchCcnCdcId	
UnsupportedOperation.InstanceOrdinaryAccountRefuseAttach	In cross-account association, instances under an ordinary account cannot be associated with CCNs created under an Auto-Driving Cloud account.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.IsNotFinanceAccount	The account of the instance associated with the current CCN is not a Financial Cloud account.
UnsupportedOperation.MultipleVpcNotSupportAttachAccountHasIpv6	
UnsupportedOperation.NotSupportAttachEdgeAndCrossBorderInstance	A CCN instance cannot be associated with an edge instance and a cross-boarder instance at the same time.
UnsupportedOperation.PurchaseLimit	The current account can not use this service in the current region.
UnsupportedOperation.UinNotFound	The account ID does not exist.

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UnsupportedOperation.UnableCrossBorder	Cross border is not supported.
UnsupportedOperation.UnableCrossFinance	The current CCN cannot be associated with a Financial Cloud instance.

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DescribeCcnRegionBandwidthLimits

Last updated：2024-11-25 20:09:56

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the outbound bandwidth caps of all regions connected with a CCN instance. The API only returns regions included in the associated network instances.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCcnRegionBandwidthLimits.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID in the format of `ccn-f49l6u0z` .

3. Output Parameters

Parameter Name	Type	Description

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CcnRegionBandwidthLimitSet	Array of CcnRegionBandwidthLimit	The outbound bandwidth caps of all regions connected with the specified CCN instance
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the bandwidth cap of a CCN in each region

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeCcnRegionBandwidthLimits
&<Common request parameters>
&CcnId=ccn-gree226l
```

Output Example

```
{
"Response": {
"CcnRegionBandwidthLimitSet": [
{
"BandwidthLimit": 50,
"Region": "ap-guangzhou"
},
{
"BandwidthLimit": 10000,
"Region": "ap-beijing"
},
{
"BandwidthLimit": 2000,
"Region": "ap-shanghai"
}
],
"RequestId": "9c53ff69-1bb6-4c89-adbb-812233a85acc"
}
}
```

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5. Developer Resources

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
UnsupportedOperation	Unsupported operation.

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AuditCrossBorderCompliance

Last updated：2024-11-25 20:10:01

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used by the service provider to perform a compliance audit.

- This API is only provided for service providers to audit compliance review requests received. Tencent Cloud will verify the identity of the service provider by the `APPID` .
- The status of the review request can be changed between `APPROVED` and `DENY` .

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AuditCrossBorderCompliance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceProvider	Yes	String	Service provider. Valid values: `UNICOM` .
ComplianceId	Yes	Integer	Unique ID of compliance review request.
AuditBehavior	Yes	String	Audit behavior. Valid values: `APPROVED` and `DENY` .

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Auditing a compliance review request

This API is used by the service provider to perform a compliance audit.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AuditCrossBorderCompliance
&ServiceProvider=UNICOM
&ComplianceId=10006
&AuditBehavior=DENY
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "0de0923a-c53c-43c2-9c25-99b2f3944107"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeCcnAttachedInstances

Last updated：2024-11-25 20:09:57

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeCcnAttachedInstances) is used to query the network instances associated with the CCN instance.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCcnAttachedInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Offset	No	Integer	Offset
Limit	No	Integer	The returned quantity
Filters.N	No	Array of Filter	Filter conditions: • `ccn-id` - String - The CCN instance ID. • `instance-type` - String - The associated instance type. • `instance-region` - String - The associated instance region. • `instance-id` - String - The instance ID of the associated instance.

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CcnId	No	String	The ID of the CCN instance
OrderField	No	String	The order field supports `CcnId` , `InstanceType` , `InstanceId` , `InstanceName` , `InstanceRegion` , `AttachedTime` , and `State` .
OrderDirection	No	String	Order methods. Ascending: `ASC` , Descending: `DESC` .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
InstanceSet	Array of CcnAttachedInstance	The list of associated instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying instances associated with this CCN instance

This example shows you how to query the network instances associated with a CCN instance.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCcnAttachedInstances
<Common request parameters>

{
"Filters": [
{
"Values": [
"vpc-r1ckkpid",
```

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```
"vpc-2u0s99fx",
"dcg-98qosdc3",
"vpc-3dr1zrr9",
"dcg-ni7ps9kb"
],
"Name": "instance-id"
},
{
"Values": [
"ccn-gree226l"
],
"Name": "ccn-id"
}
]
}
```

Output Example

```
{
"Response": {
"InstanceSet": [
{
"CcnId": "ccn-gree226l",
"InstanceType": "VPC",
"InstanceId": "vpc-2u0s99fx",
"InstanceName": "test1",
"InstanceRegion": "ap-guangzhou",
"InstanceUin": "38059483",
"CidrBlock": [
"10.0.0.0/16"
],
"State": "PENDING",
"CcnUin": "100000072292",
"InstanceArea": "CHINA_MAINLAND",
"AttachedTime": "2021-03-03 16:19:44",
"RouteTableId": null,
"RouteTableName": null,
"Description": ""
},
{
"CcnId": "ccn-gree226l",
"InstanceType": "VPC",
"InstanceId": "vpc-r1ckkpid",
"InstanceName": "vpc0420",
"InstanceRegion": "ap-guangzhou",
"InstanceUin": "88419914",
```

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```
"CidrBlock": [
"10.33.0.0/16"
],
"State": "REJECTED",
"CcnUin": "100000072292",
"InstanceArea": "CHINA_MAINLAND",
"AttachedTime": "2021-03-03 16:19:44",
"RouteTableId": null,
"RouteTableName": null,
"Description": ""
},
{
"CcnId": "ccn-gree226l",
"InstanceType": "VPC",
"InstanceId": "vpc-3dr1zrr9",
"InstanceName": "10.100.0.0/16",
"InstanceRegion": "ap-guangzhou",
"InstanceUin": "979137",
"CidrBlock": [
"10.100.0.0/16"
],
"State": "ACTIVE",
"CcnUin": "100000072292",
"InstanceArea": "CHINA_MAINLAND",
"AttachedTime": "2021-03-03 16:19:44",
"RouteTableId": null,
"RouteTableName": null,
"Description": ""
},
{
"CcnId": "ccn-gree226l",
"InstanceType": "DIRECTCONNECT",
"InstanceId": "dcg-98qosdc3",
"InstanceName": "",
"InstanceRegion": "ap-guangzhou",
"InstanceUin": "979137",
"CidrBlock": [
"192.168.0.0/24"
],
"State": "ACTIVE",
"CcnUin": "100000072292",
"InstanceArea": "CHINA_MAINLAND",
"AttachedTime": "2021-03-03 16:19:44",
"RouteTableId": null,
"RouteTableName": null,
"Description": ""
},
```


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```
{
"CcnId": "ccn-gree226l",
"InstanceType": "DIRECTCONNECT",
"InstanceId": "dcg-ni7ps9kb",
"InstanceName": "",
"InstanceRegion": "ap-guangzhou",
"InstanceUin": "979137",
"CidrBlock": [
"192.168.1.0/24"
],
"State": "ACTIVE",
"CcnUin": "100000072292",
"InstanceArea": "CHINA_MAINLAND",
"AttachedTime": "2021-03-03 16:19:44",
"RouteTableId": null,
"RouteTableName": null,
"Description": ""
}
],
"TotalCount": 5,
"RequestId": "0227fa04-3298-470c-8477-149f309a386a"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdNotFound	The APPId doesn't exist.

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DescribeCcnRoutes

Last updated：2024-11-25 20:09:55

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeCcnRoutes) is used to query routes that have been added to a CCN.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-gree226l`.
RouteIds.N	No	Array of String	The unique ID of the CCN routing policy, such as `ccnr-f49l6u0z`.
Filters.N	No	Array of Filter	Filter condition. `RouteIds` and `Filters` cannot be specified at the same time. • route-id - String - (Filter condition) Routing policy ID. • cidr-block - String - (Filter condition) Destination. • instance-type - String - (Filter condition) The next hop type.

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			• instance-region - String - (Filter condition) The next hop region. • instance-id - String - (Filter condition) The instance ID of the next hop. • route-table-id - String - (Filter condition) The list of route table IDs in the format of `ccntr-1234edfr` . Filters by the route table ID.
Offset	No	Integer	Offset
Limit	No	Integer	The returned quantity

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
RouteSet	Array of CcnRoute	The CCN routing policy object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of CCN routes

This example shows you how to query the list of CCN routes.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeCcnRoutes
&CcnId=ccn-gree226l
&Filters.0.Name=route-id
&Filters.0.Values.0=ccnr-bvipc87w
&Filters.0.Values.1=ccnr-oc61so0o
&Filters.1.Name=instance-type
&Filters.1.Values.0=VPC
&Filters.1.Values.1=DIRECTCONNECT
&Filters.2.Name=instance-region
&Filters.2.Values.0=ap-guangzhou
&Filters.2.Values.1=ap-beijing
```

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```
&Filters.2.Values.2=ap-shanghai
&Filters.2.Values.3=eu-frankfurt
&Filters.3.Name=instance-id
&Filters.3.Values.0=vpc-r1ckkpid
&Filters.3.Values.1=dcg-98qosdc3
&Filters.4.Name=cidr-block
&Filters.4.Values.0=10.33.0.0/16
&Filters.4.Values.1=192.168.0.0/24
&<Common request parameters>
```

Output Example


```
{
"Response": {
"TotalCount": 1,
"RequestId": "3e866888-83ea-4716-b99b-21592cba6548",
"RouteSet": [
{
"DestinationCidrBlock": "10.33.0.0/16",
"UpdateTime": "2020-09-22 00:00:00",
"RoutePriority": 1,
"InstanceId": "vpc-r1ckkpid",
"InstanceUin": "234532345",
"Enabled": true,
"InstanceExtraName": "test",
"IsBgp": true,
"InstanceRegion": "ap-guangzhou",
"ExtraState": "Running",
"RouteId": "ccnr-bvipc87w",
"InstanceName": "test",
"InstanceType": "VPC"
},
{
"DestinationCidrBlock": "192.168.0.0/24",
"UpdateTime": "2020-09-22 00:00:00",
"RoutePriority": 1,
"InstanceId": "vpc-r1ckkpid",
"InstanceName": "test",
"Enabled": true,
"InstanceExtraName": "test",
"IsBgp": true,
"InstanceRegion": "ap-guangzhou",
"ExtraState": "Running",
"RouteId": "ccnr-oc61so0o",
"InstanceUin": "234532345",
"InstanceType": "VPC"
```


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```
}
]
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.ParameterMismatch	Invalid parameter format
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdNotFound	The APPId doesn't exist.

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DescribeCcns

Last updated：2024-11-25 20:09:54

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeCcns) is used to query the CCN list.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCcns.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnIds.N	No	Array of String	The CCN instance ID, such as `ccn-f49l6u0z` . Each request can have a maximum of 100 instances. `CcnIds` and `Filters` cannot be specified at the same time
Filters.N	No	Array of Filter	Filter conditions. `CcnIds` and `Filters` cannot be specified at the same time. • ccn-id - String - (Filter condition) The unique ID of the CCN, such as `vpc-f49l6u0z` . • ccn-name - String - (Filter condition) The CCN name. • ccn-description - String - (Filter condition) CCN description.

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			• state - String - (Filter condition) The instance status. 'ISOLATED': Isolated (the account is in arrears and the service is suspended.) 'AVAILABLE': Running. • tag-key - String - Required: no - (Filter condition) Filters by tag key. • `tag:tag-key` - String - Required: no - (Filter condition) Filters by tag key pair. For this parameter, `tag-key` will be replaced with a specific tag key. For more information, see this example: **Querying the list of CCNs bound to tags**.
Offset	No	Integer	Offset
Limit	No	Integer	The returned quantity
OrderField	No	String	Order fields support `CcnId` , `CcnName` , `CreateTime` , `State` , and `QosLevel`
OrderDirection	No	String	Order methods. Ascending: `ASC` , Descending: `DESC` .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
CcnSet	Array of CCN	CCN object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying CCN instances by IDs

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
```

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```
Content-Type: application/json
X-TC-Action: DescribeCcns
<Common request parameters>

{
"CcnIds": [
"ccn-8j0phqix"
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"RequestId": "73159790-39b3-48e8-9d61-29e11eed1acd",
"CcnSet": [
{
"InstanceCount": 1,
"TagSet": [
{
"Value": "env",
"Key": "test"
}
],
"RoutePriorityFlag": true,
"CcnId": "ccn-8j0phqix",
"CcnDescription": "test",
"State": "AVAILABLE",
"InstanceChargeType": "POSTPAID",
"CcnName": "test",
"QosLevel": "AU",
"BandwidthLimitType": "INTER_REGION_LIMIT",
"CreateTime": "2020-09-22 00:00:00",
"RouteTableFlag": null,
"RouteTableCount": null
}
]
}
}
```

Example2 Querying CCN instances by names

Input Example

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```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCcns
<Common request parameters>

{
"Filters": [
{
"Values": [
"test"
],
"Name": "ccn-name"
}
]
}
```

Output Example


```
{
"Response": {
"TotalCount": 1,
"RequestId": "73159790-39b3-48e8-9d61-29e11eed1acd",
"CcnSet": [
{
"InstanceCount": 1,
"TagSet": [
{
"Value": "env",
"Key": "test"
}
],
"RoutePriorityFlag": true,
"CcnId": "ccn-8j0phqix",
"CcnDescription": "test",
"State": "AVAILABLE",
"InstanceChargeType": "POSTPAID",
"CcnName": "test",
"QosLevel": "AU",
"BandwidthLimitType": "INTER_REGION_LIMIT",
"CreateTime": "2020-09-22 00:00:00",
"RouteTableFlag": null,
"RouteTableCount": null
}
]
```


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```
}
}
```

Example3 Querying the list of CCN instances bound with the specified tag

This example shows you how to query the CCN instances associated with the tag `env:test` .

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCcns
<Common request parameters>

{
"Filters": [
{
"Values": [
"test"
],
"Name": "tag:env"
}
]
}
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"RequestId": "73159790-39b3-48e8-9d61-29e11eed1acd",
"CcnSet": [
{
"InstanceCount": 1,
"TagSet": [
{
"Value": "env",
"Key": "test"
}
],
"RoutePriorityFlag": true,
"CcnId": "ccn-8j0phqix",
"CcnDescription": "test",
"State": "AVAILABLE",
"InstanceChargeType": "POSTPAID",
```

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```
"CcnName": "test",
"QosLevel": "AU",
"BandwidthLimitType": "INTER_REGION_LIMIT",
"CreateTime": "2020-09-22 00:00:00",
"RouteTableFlag": null,
"RouteTableCount": null
}
]
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.

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InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ActionNotFound	The port does not exist.

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GetCcnRegionBandwidthLimits

Last updated：2024-11-25 20:09:49

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the bandwidth limits of a CCN instance. Monthly-subscribed CCNs only support Inter-region Bandwidth Limits, while the pay-as-you-go CCNs support both the Inter-region Bandwidth Limits and Region Outbound Bandwidth Limits.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: GetCcnRegionBandwidthLimits.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	The CCN instance ID, such as `ccn-f49l6u0z`.
Filters.N	No	Array of Filter	The filter condition. • sregion - String - (Filter condition) Filter by the source region, such as 'ap-guangzhou'. • dregion - String - (Filter condition) Filter by the destination region, such as 'ap-shanghai-bm'.

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SortedBy	No	String	The sorting condition. Valid values: `BandwidthLimit` and `ExpireTime`.
Offset	No	Integer	Offset
Limit	No	Integer	Quantity of returned items
OrderBy	No	String	In ascending or descending order. Valid values: 'ASC' and 'DESC'.

3. Output Parameters

Parameter Name	Type	Description
CcnBandwidthSet	Array of CcnBandwidthInfo	The outbound bandwidth limits of regions in a CCN instance. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The number of eligible objects. Note: this field may return null, indicating that no valid value was found.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the outbound bandwidth limits of a CCN instance

This example shows you how to query the outbound bandwidth limits of a pay-as-you-go CCN instance, for which the `ExpireTime` and `RenewFlag` parameters can be ignored.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: GetCcnRegionBandwidthLimits
<Common request parameters>

{
```

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```
"CcnId": "ccn-1pdchck1"
}
```

Output Example

```
{
"Response": {
"CcnBandwidthSet": [
{
"CcnRegionBandwidthLimit": {
"Region": "ap-guangzhou",
"IsBm": false,
"BandwidthLimit": 10
},
"CcnId": "ccn-1pdchck1",
"TagSet": [
{
"Key": "test",
"Value": "123"
}
],
"RegionFlowControlId": "fcr-krx0mfoi",
"CreatedTime": "2020-05-20 16:29:44",
"ExpiredTime": "2020-05-20 16:29:44",
"MarketId": "abc",
"RenewFlag": "NOTIFY_AND_MANUAL_RENEW"
}
],
"TotalCount": 1,
"RequestId": "639c4bff-ff57-4734-bd72-f543df3b0771"
}
}
```

Example2 Querying the inter-region bandwidth limits of a CCN

This example shows you how to query the cross-region outbound bandwidths for monthly-subscribed CCN and obtain two instances with a cross-region bandwidth limit. The `fcr-crrnp6w4` instance has `NOTIFY_AND_MANUAL_RENEW` (no auto-renewal) for the `RenewFlag` parameter, and the `fcr-lnfsgh4y` instance has `NOTIFY_AND_AUTO_RENEW` (auto-renewal) for the `RenewFlag` parameter.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
```

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```
X-TC-Action: GetCcnRegionBandwidthLimits
<Common request parameters>

{
"CcnId": "ccn-2gxeenq2"
}
```

Output Example


```
{
"Response": {
"CcnBandwidthSet": [
{
"CcnRegionBandwidthLimit": {
"Region": "ap-guangzhou",
"IsBm": false,
"BandwidthLimit": 1,
"DstRegion": "ap-shanghai",
"DstIsBm": false
},
"CcnId": "ccn-2gxeenq2",
"TagSet": [
{
"Key": "test",
"Value": "123"
}
],
"RegionFlowControlId": "fcr-crrnp6w4",
"CreatedTime": "2020-06-10 14:48:13",
"ExpiredTime": "2020-07-10 15:47:05",
"MarketId": "abc",
"RenewFlag": "NOTIFY_AND_MANUAL_RENEW"
},
{
"CcnRegionBandwidthLimit": {
"Region": "ap-nanjing",
"IsBm": false,
"BandwidthLimit": 1,
"DstRegion": "ap-chengdu",
"DstIsBm": false
},
"CcnId": "ccn-2gxeenq2",
"TagSet": [
{
"Key": "test",
"Value": "123"
```


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```
}
],
"RegionFlowControlId": "fcr-lnfsgh4y",
"CreatedTime": "2020-06-10 15:55:29",
"ExpiredTime": "2020-07-10 15:55:29",
"MarketId": "abc",
"RenewFlag": "NOTIFY_AND_AUTO_RENEW"
}
],
"TotalCount": 2,
"RequestId": "39db643d-64ba-456b-91c6-279115682ad2"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.

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InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnsupportedOperation	Unsupported operation.

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ModifyCcnRegionBandwidthLimitsType

Last updated：2024-11-25 20:09:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the bandwidth limit policy of a postpaid CCN instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCcnRegionBandwidthLimitsType.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CcnId	Yes	String	CCN instance ID.
BandwidthLimitType	No	String	CCN bandwidth limit type. INTER_REGION_LIMIT: limit between regions. OUTER_REGION_LIMIT: region egress limit.

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Changing the bandwidth limit type of a pay-as-you-go CCN instance

This example shows you how to modify the bandwidth limit policy of a postpaid CCN instance.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyCcnRegionBandwidthLimitsType
&CcnId=ccn-gree226l
&BandwidthLimitType=OUTER_REGION_LIMIT
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.NotLockedInstanceOperation	This operation is not allowed because the current instance is blocked.
UnsupportedOperation.NotPostpaidCcnOperation	Unsupported operation: the current CCN instance is not billed on a pay-as-you-go basis.

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Network ACL APIs
AssociateNetworkAclSubnets

Last updated：2024-11-25 20:08:37

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to associate a network ACL with subnets in a VPC instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssociateNetworkAclSubnets.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .
SubnetIds.N	Yes	Array of String	Array of subnet instance IDs, such as [subnet-12345678]

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Associating a network ACL with subnets

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AssociateNetworkAclSubnets
&NetworkAclId=acl-12345678
&SubnetIds.0=subnet-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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CreateNetworkAclQuintupleEntries

Last updated：2024-11-25 20:08:34

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to add one or more in/outbound rules of the network ACL quintuple.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateNetworkAclQuintupleEntries.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .
NetworkAclQuintupleSet	Yes	NetworkAclQuintupleEntries	Network ACL quintuple rule set.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the quintuple priority

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNetworkAclQuintupleEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
"NetworkAclQuintupleSet": {
"Ingress": [
{
"Protocol": "TCP"
}
]
}
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.AclTypeMismatch	
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.

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DeleteNetworkAcl

Last updated：2024-11-25 20:08:33

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a network ACL.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteNetworkAcl.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a network ACL

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteNetworkAcl
&NetworkAclId=acl-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.RecordNotExists	The record does not exist.

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DeleteNetworkAclQuintupleEntries

Last updated：2024-11-25 20:08:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete specified in/outbound rules of the network ACL quintuple. In the `NetworkAclQuintupleEntrySet` parameters, `NetworkAclQuintupleEntryId` is required for `NetworkAclQuintupleEntry` .

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteNetworkAclQuintupleEntries.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .
NetworkAclQuintupleSet	Yes	NetworkAclQuintupleEntries	Network ACL quintuple rule set.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the specified ITEM of the network ACL quintuple

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteNetworkAclQuintupleEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
"NetworkAclQuintupleSet": {
"Ingress": [
{}
]
}
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.

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DescribeNetworkAclQuintupleEntries

Last updated：2024-11-25 20:08:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the list of in/outbound network ACL quintuple entries.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNetworkAclQuintupleEntries.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Returned quantity. Default: 20. Value range: 1-100.
Filters.N	No	Array of Filter	Filter condition. `HaVipIds` and `Filters` cannot be specified at the same time. • `protocol` - String - Such as `TCP` • `description` - String - Description

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			• `destination-cidr` - String - Destination CIDR block, such as `192.168.0.0/24` • `source-cidr` - String - Source CIDR block, such as `192.168.0.0/24` • `action` - String - ·Values: `ACCEPT` , `DROP` • `network-acl-quintuple-entry-id` - String - Unique ID of the quintuple, such as `acli45-ahnu4rv5` • `network-acl-direction` - String - Direction of the policy. Values: `INGRESS` or `EGRESS` .

3. Output Parameters

Parameter Name	Type	Description
NetworkAclQuintupleSet	Array of NetworkAclQuintupleEntry	The list of the network ACL quintuple entries
TotalCount	Integer	Number of eligible instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Example 1. Querying the network ACL quintuple entries by filter

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNetworkAclQuintupleEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
"Limit": "20",
"Offset": "0"
}
```

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Output Example


```
{
"Response": {
"TotalCount": 1,
"NetworkAclQuintupleSet": [
{
"Protocol": "TCP",
"Description": "test",
"SourcePort": "80",
"SourceCidr": "192.168.0.0/24",
"DestinationPort": "80",
"DestinationCidr": "192.168.0.0/24",
"Action": "ACCEPT",
"CreateTime": "2019-11-11 22:16:17",
"NetworkAclQuintupleEntryId": "acli45-q1phngkz",
"NetworkAclDirection": "EGRESS"
}
],
"RequestId": "cccb2665-5d02-4d87-b9e7-757bb06e5beb"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.AclTypeMismatch	
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ActionNotFound	The port does not exist.

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DisassociateNetworkAclSubnets

Last updated：2024-11-25 20:08:28

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to disassociate a network ACL from subnets in a VPC instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateNetworkAclSubnets.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .
SubnetIds.N	Yes	Array of String	Array of subnet instance IDs, such as [subnet-12345678].

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disassociating a network ACL from a subnet

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisassociateNetworkAclSubnets
&NetworkAclId=acl-12345678
&SubnetIds.0=subnet-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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ModifyNetworkAclAttribute

Last updated：2024-11-25 20:08:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the attributes of a network ACL.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNetworkAclAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .
NetworkAclName	Yes	String	Network ACL name, which can contain up to 60 bytes.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Changing the name of a network ACL

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyNetworkAclAttribute
&NetworkAclId=acl-12345678
&NetworkAclName=test modify
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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ModifyNetworkAclQuintupleEntries

Last updated：2024-11-25 20:08:25

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the in/outbound rules of the network ACL quintuple. In the `NetworkAclQuintupleEntrySet` parameters, `NetworkAclQuintupleEntryId` is required for `NetworkAclQuintupleEntry`.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNetworkAclQuintupleEntries.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678`.
NetworkAclQuintupleSet	Yes	NetworkAclQuintupleEntries	Network ACL quintuple rule set.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the quintuple priority

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNetworkAclQuintupleEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
"NetworkAclQuintupleSet": {
"Ingress": [
{
"Priority": "3"
}
]
}
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.

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DescribeNetworkAcls

Last updated：2025-03-11 22:34:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query a list of network ACLs.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNetworkAcls.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclIds.N	No	Array of String	Array of network ACL instance IDs, such as [acl-12345678]. Up to 100 instances are allowed for each request. This parameter does not support specifying `NetworkAclIds` and `Filters` at the same time.
Filters.N	No	Array of Filter	Filter condition. `NetworkAclIds` and `Filters` cannot be specified at the same time. • vpc-id - String - (Filter condition) VPC instance ID, such as vpc-12345678.

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			• network-acl-id - String - (Filter condition) Network ACL instance ID, such as acl-12345678. • network-acl-name - String - (Filter condition) Network ACL instance name.
Offset	No	Integer	Offset. Default: 0.
Limit	No	Integer	Returned quantity. Default: 20. Value range: 1-100.

3. Output Parameters

Parameter Name	Type	Description
NetworkAclSet	Array of NetworkAcl	List of instance details.
TotalCount	Integer	Number of eligible instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Example 1. Querying the network ACL list

This example shows you how to query the list of network ACLs.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNetworkAcls
<Common request parameters>

{}
```

Output Example

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```
{
"Response": {
"NetworkAclSet": [
{
"CreatedTime": "2020-01-20 14:26:22",
"EgressEntries": [
{
"Action": "Drop",
"CidrBlock": "10.0.0.0/24",
"Description": "Test 222",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2020-01-20 14:26:22",
"Port": "80",
"Protocol": "All"
}
],
"IngressEntries": [
{
"Action": "Drop",
"CidrBlock": "0.0.0.0/0",
"Description": "Test 1",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2020-01-21 14:26:22",
"Port": "80",
"Protocol": "all"
}
],
"NetworkAclId": "acl-kmxukyv6",
"NetworkAclName": "Test 001",
"NetworkAclType": "TRIPLE",
"SubnetSet": [
{
"AvailableIpAddressCount": 1,
"CdcId": "cluster-gbo27yc4",
"CidrBlock": "10.0.0.0/24",
"CreatedTime": "2020-01-20 14:26:22",
"EnableBroadcast": true,
"Ipv6CidrBlock": "::/0",
"IsCdcSubnet": 0,
"IsDefault": true,
"IsRemoteVpcSnat": true,
"NetworkAclId": "acl-kmxukyv6",
"RouteTableId": "rtb-we123456",
"SubnetId": "subnet-qmqye6ew",
"SubnetName": "Subnet 1",
"TagSet": [
```


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```
{
"Key": "ck",
"Value": "og"
}
],
"TotalIpAddressCount": 1,
"VpcId": "vpc-rt123456",
"Zone": "ap-guangzhou"
}
],
"TagSet": [],
"VpcId": "vpc-9it989fn"
}
],
"RequestId": "cccb2665-5d02-4d87-b9e7-757bb06e5beb",
"TotalCount": 1
}
}
```


Example2 Example 2: Querying the network ACL list by conditions

This example shows you how to query the specified network ACLs.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNetworkAcls
<Common request parameters>

{
"NetworkAclIds": [
"acl-12345678"
],
"Limit": 20,
"Offset": 0
}
```

Output Example


```
{
"Response": {
"TotalCount": 1,
"NetworkAclSet": [
{
```


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```
"TagSet": [],
"NetworkAclId": "",
"VpcId": "vpc-kj123456",
"NetworkAclType": "TRIPLE",
"IngressEntries": [
{
"Protocol": "all",
"Description": "Test 1",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2020-01-21 14:26:22",
"Action": "Drop",
"CidrBlock": "0.0.0.0/0",
"Port": "80"
}
],
"SubnetSet": [
{
"NetworkAclId": "acl-kmxukyv6",
"RouteTableId": "rtb-we123456",
"VpcId": "vpc-kj123456",
"EnableBroadcast": true,
"Zone": "ap-guangzhou",
"Ipv6CidrBlock": "::/0",
"AvailableIpAddressCount": 1,
"IsCdcSubnet": 0,
"CdcId": "cluster-gbo27yc4",
"IsRemoteVpcSnat": true,
"SubnetName": "Test 01",
"TotalIpAddressCount": 1,
"TagSet": [
{
"Value": "yt",
"Key": "kj"
}
],
"CreatedTime": "2020-01-21 14:26:22",
"SubnetId": "subnet-qmqye6ew",
"CidrBlock": "10.0.0.0/24",
"IsDefault": true
}
],
"NetworkAclName": "Test 33",
"CreatedTime": "2020-01-21 14:26:22",
"EgressEntries": [
{
"Protocol": "All",
"Description": "Test",
```


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```
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2020-01-21 14:26:22",
"Action": "Drop",
"CidrBlock": "10.0.0.0/24",
"Port": "80"
}
]
}
],
"RequestId": "cccb2665-5d02-4d87-b9e7-757bb06e5beb"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error

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InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ActionNotFound	The port does not exist.

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ModifyNetworkAclEntries

Last updated：2024-11-25 20:08:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify (add or delete) the inbound and outbound rules of a network ACL. In `NetworkAclEntrySet` parameters,

- Passing in the new inbound/outbound rules will reset the original rules.
- Passing in the inbound rules will only reset the original inbound rules and not affect the original outbound rules, and vice versa.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNetworkAclEntries.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetworkAclId	Yes	String	Network ACL instance ID, such as `acl-12345678` .

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NetworkAclEntrySet	No	NetworkAclEntrySet	Network ACL rule set. `NetworkAclEntrySet` and `NetworkAclQuintupleSet` cannot be entered at the same time.
NetworkAclQuintupleSet	No	NetworkAclQuintupleEntries	Network ACL quintuple rule set. `NetworkAclEntrySet` and `NetworkAclQuintupleSet` cannot be entered at the same time.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting inbound rules of a network ACL

This example shows you how to modify network ACL rules by only passing in the rule you want to retain and discarding the ones you want to delete. For example, the `acl-12345678` has two inbound rules:

- Rule 1: TCP 192.168.1.0/24 80 Accept
- Rule 2: TCP 192.168.1.0/24 443 Accept

If you want to delete the inbound rule 2, pass in parameters shown in the example.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNetworkAclEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
```

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```
"NetworkAclEntrySet": {
"Ingress": [
{
"Protocol": "TCP",
"Description": "test",
"ModifyTime": "xx",
"Action": "Accept",
"CidrBlock": "192.168.1.0/24",
"Port": "80"
}
]
}
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

Example2 Adding only inbound rules to a network ACL

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNetworkAclEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
"NetworkAclEntrySet": {
"Ingress": [
{
"Protocol": "TCP",
"Description": "test",
"ModifyTime": "xx",
"Action": "Accept",
"CidrBlock": "192.168.1.0/24",
"Port": "442"
},
{
```

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```
"Protocol": "TCP",
"Description": "test",
"ModifyTime": "xx",
"Action": "Accept",
"CidrBlock": "192.168.1.0/24",
"Port": "80"
}
]
}
}
```

Output Example

```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```

Example3 Adding inbound and outbound rules to a network ACL

This example shows you how to modify network ACL rules by only passing in the rule you want to retain and discarding the ones you want to delete. For example, the `acl-12345678` has two inbound rules:

- Rule 1: TCP 192.168.1.0/24 80 Accept
- Rule 2: TCP 192.168.1.0/24 443 Accept

If you want to delete the inbound rule 2, pass in parameters shown in the example.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNetworkAclEntries
<Common request parameters>

{
"NetworkAclId": "acl-12345678",
"NetworkAclEntrySet": {
"Ingress": [
{
"Protocol": "TCP",
"Description": "test",
```

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```
"ModifyTime": "xx",
"Action": "Accept",
"CidrBlock": "192.168.1.0/24",
"Port": "80"
}
],
"Egress": [
{
"Protocol": "TCP",
"Description": "test",
"ModifyTime": "xx",
"Action": "Accept",
"CidrBlock": "192.168.1.0/24",
"Port": "80"
}
]
}
}
```


Output Example


```
{
"Response": {
"RequestId": "f23d1450-ed00-4442-98d4-be409e625e6c"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.AclTypeMismatch	
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.

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CreateNetworkAcl

Last updated：2024-11-25 20:08:35

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a network ACL.

- The inbound and outbound rules for a new network ACL are "Deny All" by default. You need to call `ModifyNetworkAclEntries` to set rules for the new network ACL as needed.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateNetworkAcl.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC instance ID, which can be obtained from the `VpcId` field in the response of the `DescribeVpcs` API.
NetworkAclName	Yes	String	Network ACL name, which can contain up to 60 bytes.
NetworkAclType	No	String	Network ACL type. Valid values: `TRIPLE` and `QUINTUPLE`.
Tags.N	No	Array	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].

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		of Tag	

3. Output Parameters

Parameter Name	Type	Description
NetworkAcl	NetworkAcl	Network ACL instance
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a network ACL

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNetworkAcl
<Common request parameters>

{
"VpcId": "vpc-12345678",
"NetworkAclName": "test"
}
```

Output Example

```
{
"Response": {
"NetworkAcl": {
"NetworkAclId": "acl-12345678",
"VpcId": "vpc-12345678",
"NetworkAclName": "test",
"CreatedTime": "2020-01-01 10:00:00",
"SubnetSet": [],
```

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```
"IngressEntries": [],
"EgressEntries": [],
"NetworkAclType": "TRIPLE"
},
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.

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InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.

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UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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Network Parameter Template APIs AddTemplateMember

Last updated：2025-05-21 17:41:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to add a parameter template of the IP address, protocol port, IP address group, or protocol port group type.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AddTemplateMember.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
TemplateId	Yes	String	Parameter template instance ID, which can be the

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			instance ID of a parameter template of the following four types: IP address, protocol port, IP address group, and protocol port group.
TemplateMember.N	Yes	Array of MemberInfo	Information on the parameter template to be added. The template can be of the following four types: IP address, protocol port, IP address group, and protocol port group. The type should be consistent with that of the template specified by the TemplateId parameter.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adding a Parameter Template of the IP Address Type

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AddTemplateMember
&TemplateId=ipm-88t6207k
&TemplateMember.0.Member=10.0.0.1
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=172.20.0.1/24
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

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Example2 Adding a Parameter Template of the IP Address Group Type

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AddTemplateMember
&TemplateId=ipmg-dih8xdbq
&TemplateMember.0.Member=ipm-88t6207k
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=ipm-mdunqeb6
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example3 Adding a Parameter Template of the Protocol Port Type

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=AddTemplateMember
&TemplateId=ppm-6zwa44xm
&TemplateMember.0.Member=TCP:80
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=TCP:443
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example4 Adding a Parameter Template of the Protocol Port Group Type

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=AddTemplateMember
&TemplateId=ppmg-ms7c7gcr
&TemplateMember.0.Member=ppm-6zwa44xm
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=ppm-4tw1bxlq
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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InternalError	An internal error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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ModifyTemplateMember

Last updated：2025-05-21 17:41:38

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify a parameter template of the IP address, protocol port, IP address group, or protocol port group type.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyTemplateMember.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
TemplateId	Yes	String	Parameter template instance ID, which can be the instance ID of a parameter template of the

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			following four types: IP address, protocol port, IP address group, and protocol port group.
OriginalTemplateMember.N	Yes	Array of MemberInfo	Information on the parameter template to be modified. The template can be of the following four types: IP address, protocol port, IP address group, and protocol port group. The type should be consistent with that of the template specified by the TemplateId parameter. The parameter sequence should be the same as that of TemplateMember, and the input parameter length should be consistent with that of TemplateMember.
TemplateMember.N	Yes	Array of MemberInfo	New parameter template information. The template can be of the following four types: IP address, protocol port, IP address group, and protocol port group. The type should be consistent with that of the template specified by the TemplateId parameter. The parameter sequence should be the same as that of OriginalTemplateMember, and the input parameter length should be consistent with that of OriginalTemplateMember.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a Parameter Template of the IP Address Type

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyTemplateMember
&TemplateId=ipm-h0fk8lfc
```

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```
&OriginalTemplateMember.0.Member=10.0.0.1
&OriginalTemplateMember.0.Description=demo
&OriginalTemplateMember.1.Member=172.20.0.1/24
&TemplateMember.0.Member=10.0.0.2
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=192.168.0.1/24
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example2 Modifying a Parameter Template of the IP Address Group Type

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyTemplateMember
&TemplateId=ipmg-h0fk8lfc
&OriginalTemplateMember.0.Member=ipm-hj3he929
&OriginalTemplateMember.0.Description=demo
&OriginalTemplateMember.1.Member=ipm-nswq8wkq
&TemplateMember.0.Member=ipm-pnpcflil
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=ipm-4d8a10a1
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example3 Modifying a Parameter Template of the Protocol Port Type

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyTemplateMember
&TemplateId=ppm-4d8a10a1
&OriginalTemplateMember.0.Member=TCP:80
&OriginalTemplateMember.0.Description=demo
&OriginalTemplateMember.1.Member=TCP:443
&TemplateMember.0.Member=TCP:8080
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=TCP:6278
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example4 Modifying a Parameter Template of the Protocol Port Group Type

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyTemplateMember
&TemplateId=ppmg-hj3he929
&OriginalTemplateMember.0.Member=ppm-4d8a10a1
&OriginalTemplateMember.0.Description=demo
&OriginalTemplateMember.1.Member=ppm-pnpcflil
&TemplateMember.0.Member=ppm-4d8a10a1
&TemplateMember.0.Description=demo
&TemplateMember.1.Member=ppm-4t7fr3fi
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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CreateAddressTemplate

Last updated：2024-11-25 20:04:33

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create an IP address template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAddressTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressTemplateName	Yes	String	IP address template name.
Addresses.N	No	Array of String	The address information can be presented by the IP, CIDR block or IP address range. Either Addresses or AddressesExtra is required.
AddressesExtra.N	No	Array of AddressInfo	The address information can contain remarks and be presented by the IP, CIDR block or IP address range. Either Addresses or AddressesExtra is required.

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3. Output Parameters

Parameter Name	Type	Description
AddressTemplate	AddressTemplate	The template object of the IP address.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an IP address template

This example shows you how to create a IP address template.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateAddressTemplate
&AddressTemplateName=TestName
&Addresses.0=192.168.1.0/24
&Addresses.1=192.168.2.0/24
&<Common request parameters>
```

Output Example

```
{
"Response": {
"AddressTemplate": {
"AddressTemplateName": "TestName",
"AddressTemplateId": "ipm-ht1gkq3a",
"AddressSet": [
"192.168.1.0/24",
"192.168.2.0/24"
],
"CreatedTime": "2018-04-03 21:38:01",
"AddressExtraSet": [
{
"Description": "xx",
"Address": "xx"
}
]
```

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```
},
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.

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CreateAddressTemplateGroup

Last updated：2024-11-25 20:04:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create an IP address template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateAddressTemplateGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressTemplateGroupName	Yes	String	Name of the IP address template group
AddressTemplateIds.N	Yes	Array of String	IP address template instance ID, such as `ipm-mdunqeb6` .

3. Output Parameters

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Parameter Name	Type	Description
AddressTemplateGroup	AddressTemplateGroup	Group object of the IP address template.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an IP address template group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateAddressTemplateGroup
&AddressTemplateGroupName=TestName
&AddressTemplateIds.0=ipm-88t6207k
&AddressTemplateIds.1=ipm-mdunqeb6
&<Common request parameters>
```

Output Example

```
{
"Response": {
"AddressTemplateGroup": {
"AddressTemplateGroupName": "TestName",
"AddressTemplateGroupId": "ipmg-dih8xdbq",
"AddressTemplateIdSet": [
"ipm-88t6207k",
"ipm-mdunqeb6"
],
"AddressTemplateSet": [
{
"To": "10.1.1.2/22",
"From": "10.1.1.3/22"
}
],
"CreatedTime": "2018-04-03 21:51:02"
},
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

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5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteAddressTemplate

Last updated：2024-11-25 20:04:30

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteAddressTemplate) is used to delete an IP address template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAddressTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressTemplateId	Yes	String	The IP address template instance ID, such as `ipm-09o5m8kc` .

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an IP address template

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteAddressTemplate
&Version=2017-03-12
&AddressTemplateId=ipm-mdunqeb6
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteAddressTemplateGroup

Last updated：2024-11-25 20:04:29

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteAddressTemplateGroup) is used to delete an IP address template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteAddressTemplateGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressTemplateGroupId	Yes	String	The IP address template group instance ID, such as `ipmg-90cex8mq` .

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an IP address template group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteAddressTemplateGroup
&Version=2017-03-12
&AddressTemplateGroupId=ipmg-2uw6ujo6
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteServiceTemplate

Last updated：2024-11-25 20:04:28

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteServiceTemplate) is used to delete a protocol port template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteServiceTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceTemplateId	Yes	String	Protocol port template instance ID, such as `ppm-e6dy460g` .

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a protocol port template

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteServiceTemplate
&Version=2017-03-12
&ServiceTemplateId=ppm-529nwwj8
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteServiceTemplateGroup

Last updated：2024-11-25 20:04:27

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteServiceTemplateGroup) is used to delete a protocol port template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteServiceTemplateGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceTemplateGroupId	Yes	String	The protocol port template group instance ID, such as `ppmg-n17uxvve` .

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a protocol port template group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteServiceTemplateGroup
&Version=2017-03-12
&ServiceTemplateGroupId=ppmg-ei8hfd9a
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DescribeAddressTemplateGroups

Last updated：2024-11-25 20:04:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeAddressTemplateGroups) is used to query an IP address template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAddressTemplateGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filter conditions. • address-template-group-name - String - (Filter condition) IP address template group name. • address-template-group-id - String - (Filter condition) IP address template group instance ID, such as `ipmg-mdunqeb6` .
Offset	No	String	Offset. The default value is 0.
Limit	No	String	Number of values to be returned. The default value is 20. Maximum is 100.

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3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
AddressTemplateGroupSet	Array of AddressTemplateGroup	IP address template.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Query the list of IP address templates

This example shows you how to query the list of IP address templates.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeAddressTemplateGroups
&Filters.0.Name=address-template-group-name
&Filters.0.Values.0=TestName
&Filters.1.Name=address-template-group-id
&Filters.1.Values.0=ipmg-mdunqeb6
&<common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"RequestId": "xx",
"AddressTemplateGroupSet": [
{
"AddressTemplateGroupName": "test",
"AddressTemplateGroupId": "ipmg-xxxxxxxx",
"AddressTemplateIdSet": [
```

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```
"ipm-xxxxxxxx",
"ipm-yyyyyyyy"
],
"AddressTemplateSet": [
{
"AddressTemplateId": "ipm-xxxxxxxx",
"AddressTemplateName": "xxxxxxxx"
},
{
"AddressTemplateId": "ipm-yyyyyyyy",
"AddressTemplateName": "yyyyyyyy"
}
],
"CreatedTime": "2022-12-06 20:00:00"
}
]
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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DescribeAddressTemplates

Last updated：2024-11-25 20:04:26

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeAddressTemplates) is used to query an IP address template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeAddressTemplates.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filters • address-template-name - IP address template name. • address-template-id - IP address template ID, such as `ipm-mdunqeb6` . • address-ip - IP address.
Offset	No	String	Offset. The default value is 0.
Limit	No	String	Number of values to be returned. The default value is 20. Maximum is 100.

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3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
AddressTemplateSet	Array of AddressTemplate	IP address template.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying an IP address template

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeAddressTemplates
&Filters.0.Name=address-template-name
&Filters.0.Values.0=TestName
&Filters.1.Name=address-template-id
&Filters.1.Values.0=ipm-mdunqeb6
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"AddressTemplateSet": [
{
"AddressTemplateName": "TestName",
"AddressTemplateId": "ipm-mdunqeb6",
"AddressSet": [
"192.168.0.0/16",
"192.128.8.8/17"
],
"AddressExtraSet": [
```

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```
{
"Description": "desc",
"Address": "192.168.0.0/16"
},
{
"Description": "desc",
"Address": "192.128.8.8/17"
}
],
"CreatedTime": "2017-12-31 10:06:05"
}
],
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnsupportedOperation	Unsupported operation.

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DescribeServiceTemplateGroups

Last updated：2024-11-25 20:04:25

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeServiceTemplateGroups) is used to query a protocol port template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServiceTemplateGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filter conditions. • service-template-group-name - String - (Filter condition) Protocol port template group name. • service-template-group-id - String - (Filter condition) Protocol port template group instance ID, such as `ppmg-e6dy460g` .
Offset	No	String	Offset. The default value is 0.
Limit	No	String	Number of values to be returned. The default value is 20. Maximum is 100.

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3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
ServiceTemplateGroupSet	Array of ServiceTemplateGroup	Protocol port template group.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying a protocol port template group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeServiceTemplateGroups
&Version=2017-03-12
&Filters.0.Name=service-template-group-name
&Filters.0.Values.0=TestName
&Limit=2
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"ServiceTemplateGroupSet": [
{
"ServiceTemplateGroupName": "TestName",
"ServiceTemplateGroupId": "ppmg-2klmrefu",
"ServiceTemplateIdSet": [
"ppm-529nwwj8"
],
"ServiceTemplateSet": [
```

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```
{
"ServiceTemplateId": "ppm-529nwwj8",
"ServiceTemplateName": "test"
}
],
"CreatedTime": "2018-04-03 22:05:32"
}
],
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.Range	The parameter value is not in the specified range.

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DescribeServiceTemplates

Last updated：2024-11-25 20:04:24

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeServiceTemplates) is used to query protocol port templates.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeServiceTemplates.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filters • service-template-name - Protocol port template name. • service-template-id - Protocol port template ID, such as `ppm-e6dy460g` . • service-port-Protocol port.
Offset	No	String	Offset. The default value is 0.
Limit	No	String	Number of values to be returned. The default value is 20. Maximum is 100.

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3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
ServiceTemplateSet	Array of ServiceTemplate	Protocol port template object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying a protocol port template

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeServiceTemplates
&Filters.0.Name=service-template-name
&Filters.0.Values.0=TestName
&Limit=2
&<common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 8,
"ServiceTemplateSet": [
{
"ServiceTemplateName": "TestName",
"ServiceTemplateId": "ppm-bu8cir16",
"ServiceSet": [
"tcp:8080",
"udp:99"
],
"CreatedTime": "2018-04-03 21:19:31"
},
```

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```
{
"ServiceTemplateName": "TestName",
"ServiceTemplateId": "ppm-2jju0z3u",
"ServiceSet": [
"tcp:8080",
"udp:99"
],
"CreatedTime": "2018-04-03 21:03:12"
}
],
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.

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InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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ModifyAddressTemplateAttribute

Last updated：2024-11-25 20:04:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyAddressTemplateAttribute) is used to modify an IP address template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAddressTemplateAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressTemplateId	Yes	String	IP address template instance ID, such as `ipm-mdunqeb6` .
AddressTemplateName	No	String	IP address template name.
Addresses.N	No	Array of String	Address information, including IP, CIDR and IP address range.
AddressesExtra.N	No	Array of AddressInfo	Address information with remarks, including the IP, CIDR block or IP address range.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying an IP address template

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyAddressTemplateAttribute
&AddressTemplateId=ipm-mdunqeb6
&AddressTemplateName=TestName
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP

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- Tencent Cloud SDK 3.0 for Go
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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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ModifyAddressTemplateGroupAttribute

Last updated：2024-11-25 20:04:22

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyAddressTemplateGroupAttribute) is used to modify an IP address template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyAddressTemplateGroupAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
AddressTemplateGroupId	Yes	String	IP address template group instance ID, such as `ipmg-2uw6ujo6` .
AddressTemplateGroupName	No	String	IP address template group name.
AddressTemplateIds.N	No	Array of String	IP address template instance ID, such as `ipm-mdunqeb6` .

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying an IP address template group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyAddressTemplateGroupAttribute
&Version=2017-03-12
&AddressTemplateGroupId=ipmg-2uw6ujo6
&AddressTemplateGroupName=TestName
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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ModifyServiceTemplateGroupAttribute

Last updated：2024-11-25 20:04:20

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyServiceTemplateGroupAttribute) is used to modify a protocol port template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyServiceTemplateGroupAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceTemplateGroupId	Yes	String	The protocol port template group instance ID, such as `ppmg-ei8hfd9a`.
ServiceTemplateGroupName	No	String	Protocol port template group name.
ServiceTemplateIds.N	No	Array of String	Instance ID of the protocol port template, such as `ppm-4dw6agho`.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a protocol port template group

This example shows you how to modify a protocol port template group.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyServiceTemplateGroupAttribute
&ServiceTemplateGroupId=ppmg-ei8hfd9a
&ServiceTemplateGroupName=TestName
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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CreateServiceTemplate

Last updated：2024-11-25 20:04:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (CreateServiceTemplate) is used to create a protocol port template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateServiceTemplate.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceTemplateName	Yes	String	Template name of the protocol port
Services.N	No	Array of String	Supported ports inlcude single port, multiple ports, consecutive ports and all ports. Supported protocols include TCP, UDP, ICMP and GRE. Either Services or ServicesExtra is required.
ServicesExtra.N	No	Array of ServicesInfo	You can add remarks. Supported ports include single port, multiple ports, consecutive ports and all ports.

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			Supported protocols include TCP, UDP, ICMP and GRE. Either Services or ServicesExtra is required.

3. Output Parameters

Parameter Name	Type	Description
ServiceTemplate	ServiceTemplate	Protocol port template object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a protocol port template

This example shows you how to create a protocol port template.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateServiceTemplate
&ServiceTemplateName=TestName
&Services.0=TCP:8080
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ServiceTemplate": {
"ServiceTemplateName": "TestName",
"ServiceTemplateId": "ppm-xxxxxxxx",
"ServiceSet": [
"tcp: 8080"
],
"CreatedTime": "2018-04-03 21:19:31",
"ServiceExtraSet": [
{
"Description": "test",
```

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```
"Service": "tcp:8080"
}
]
},
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.

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InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.

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CreateServiceTemplateGroup

Last updated：2024-11-25 20:04:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (CreateServiceTemplateGroup) is used to create a protocol port template group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateServiceTemplateGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceTemplateGroupName	Yes	String	Group name of the protocol port template.
ServiceTemplateIds.N	Yes	Array of String	Instance ID of the protocol port template, such as `ppm-4dw6agho` .

3. Output Parameters

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Parameter Name	Type	Description
ServiceTemplateGroup	ServiceTemplateGroup	Group object of the protocol port template.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a protocol port template group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateServiceTemplateGroup
&Version=2017-03-12
&ServiceTemplateGroupName=TestName
&ServiceTemplateIds.0=ppm-529nwwj8
&ServiceTemplateIds.1=ppm-4dw6agho
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ServiceTemplateGroup": {
"ServiceTemplateGroupName": "TestName",
"ServiceTemplateGroupId": "ppmg-2klmrefu",
"ServiceTemplateIdSet": [
"ppm-529nwwj8",
"ppm-4dw6agho"
],
"CreatedTime": "2018-04-03 22:05:32"
},
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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DeleteTemplateMember

Last updated：2025-05-21 17:41:40

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a parameter template of the IP address, protocol port, IP address group, or protocol port group type.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteTemplateMember.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product. This API only supports: ap-bangkok, ap-beijing, ap-chengdu, ap-chongqing, ap-guangzhou, ap-hongkong, ap-jakarta, ap-nanjing, ap-seoul, ap-shanghai, ap-shanghai-fsi, ap-shenzhen-fsi, ap-singapore, ap-tokyo, eu-frankfurt, na-ashburn, na-siliconvalley, sa-saopaulo.
TemplateId	Yes	String	Parameter template instance ID, which can be the instance ID of a parameter template of the following four

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			types: IP address, protocol port, IP address group, and protocol port group.
TemplateMember.N	Yes	Array of MemberInfo	Information on the parameter template to be added. The template can be of the following four types: IP address, protocol port, IP address group, and protocol port group. The type should be consistent with that of the template specified by the TemplateId parameter.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a Parameter Template of the IP Address Type

This example shows you how to delete a parameter template of the IP address type.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteTemplateMember
&TemplateId=ipm-test1234
&TemplateMember.0.Member=10.0.0.1
&TemplateMember.1.Member=172.20.0.1/24
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example2 Deleting a Parameter Template of the IP Address Group Type

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This example shows you how to delete a parameter template of the IP address group type.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteTemplateMember
&TemplateId=ipmg-test1234
&TemplateMember.0.Member=ipm-test1234
&TemplateMember.1.Member=ipm-demo1234
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example3 Adding a Parameter Template of the Protocol Port Type

This example shows you how to add a parameter template of the protocol port type.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteTemplateMember
&TemplateId=ppm-test1234
&TemplateMember.0.Member=TCP:80
&TemplateMember.1.Member=TCP:443
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

Example4 Adding a Parameter Template of the Protocol Port Group Type

This example shows you how to add a parameter template of the protocol port group type.

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteTemplateMember
&TemplateId=ppmg-test1234
&TemplateMember.0.Member=ppm-test1234
&TemplateMember.1.Member=ppm-demo1234
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "ba7c7681-e051-469a-b0fc-210a373490a4"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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InternalError	An internal error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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ModifyServiceTemplateAttribute

Last updated：2024-11-25 20:04:21

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyServiceTemplateAttribute) is used to modify a protocol port template.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyServiceTemplateAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
ServiceTemplateId	Yes	String	Protocol port template instance ID, such as `ppm-529nwwj8` .
ServiceTemplateName	No	String	Protocol port template name.
Services.N	No	Array of String	It supports single port, multiple ports, consecutive ports and all ports. Supported protocols include TCP, UDP, ICMP, and GRE.
ServicesExtra.N	No	Array of	Protocol port information with remarks. Supported

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		ServicesInfo	ports include single port, multiple ports, consecutive ports and other ports. Supported protocols include TCP, UDP, ICMP, and GRE.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a protocol port template

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyServiceTemplateAttribute
&ServiceTemplateId=ppm-529nwwj8
&ServiceTemplateName=TestName
&<common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.

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Network Detection-Related APIs
CheckNetDetectState

Last updated：2024-11-25 20:08:24

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to verify the network detection status.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CheckNetDetectState.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
DetectDestinationIp.N	Yes	Array of String	The array of detection destination IPv4 addresses, which contains at most two IP addresses.
NetDetectId	No	String	ID of a network inspector instance, e.g. netd-12345678. Enter at least one of this parameter, VpcId, SubnetId, and NetDetectName. Use NetDetectId if it is present.
VpcId	No	String	ID of a `VPC` instance, e.g. `vpc-12345678`, which is

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			used together with SubnetId and NetDetectName. You should enter either this parameter or NetDetectId, or both. Use NetDetectId if it is present.
SubnetId	No	String	ID of a subnet instance, e.g. `subnet-12345678`, which is used together with VpcId and NetDetectName. You should enter either this parameter or NetDetectId, or both. Use NetDetectId if it is present.
NetDetectName	No	String	The name of a network inspector, up to 60 bytes in length. It is used together with VpcId and NetDetectName. You should enter either this parameter or NetDetectId, or both. Use NetDetectId if it is present.
NextHopType	No	String	The type of the next hop. Currently supported types are: VPN: VPN gateway; DIRECTCONNECT: direct connect gateway; PEERCONNECTION: peering connection; NAT: NAT gateway; NORMAL_CVM: normal CVM.
NextHopDestination	No	String	The next-hop destination gateway. The value is related to NextHopType. If NextHopType is set to VPN, the value of this parameter is the VPN gateway ID, such as vpngw-12345678. If NextHopType is set to DIRECTCONNECT, the value of this parameter is the direct connect gateway ID, such as dcg-12345678. If NextHopType is set to PEERCONNECTION, the value of this parameter is the peering connection ID, such as pcx-12345678. If NextHopType is set to NAT, the value of this parameter is the NAT gateway ID, such as nat-12345678. If NextHopType is set to NORMAL_CVM, the value of this parameter is the IPv4 address of the CVM, such as 10.0.0.12.

3. Output Parameters

Parameter Name	Type	Description
NetDetectIpStateSet	Array of NetDetectIpState	The array of network detection verification results.
RequestId	String	The unique request ID, generated by the server, will be returned

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		for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Verifying the detection parameters based on the network probe ID.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CheckNetDetectState
&NetDetectId=netd-12345678
&DetectDestinationIp.0=10.0.0.2
&DetectDestinationIp.1=10.0.0.3
&NextHopType=NORMAL_CVM
&NextHopDestination=10.0.0.4
&<Common request parameters>
```

Output Example

```
{
"Response": {
"NetDetectIpStateSet": [
{
"DetectDestinationIp": "10.0.0.2",
"State": 0,
"Delay": 0,
"PacketLossRate": 0
},
{
"DetectDestinationIp": "10.0.0.3",
"State": 0,
"Delay": 0,
"PacketLossRate": 0
}
],
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameter	A parameter error occurred.
InvalidParameter.NextHopMismatch	The next hop type does not match with the next hop gateway.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NetDetectInVpc	The probe destination IP and network probe are in the same VPC.
InvalidParameterValue.NetDetectNotFoundIp	Unable to find the matched next hop in the CCN route table for the destination IP.
InvalidParameterValue.NetDetectSameIp	The detection destination IP address is the same as that of another network detection instance under the same subnet in the same VPC.

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InvalidParameterValue.ResourceNotFound	This resource is not found.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
MissingParameter	Missing parameter.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.EcmpWithUserRoute	Form an ECMP with the user’s custom routes.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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CreateNetDetect

Last updated：2024-11-25 20:08:23

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a network probe.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateNetDetect.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The ID of a VPC instance, such as `vpc-12345678`.
SubnetId	Yes	String	The ID of a subnet instance, such as subnet-12345678.
NetDetectName	Yes	String	The name of a network detection instance. The maximum length is 60 characters.
DetectDestinationIp.N	Yes	Array of String	The array of detection destination IPv4 addresses, which contains at most two IP addresses.

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NextHopType	No	String	Type of the next hop. Valid values: `VPN` : VPN gateway; `DIRECTCONNECT` : Direct connect gateway; `PEERCONNECTION` : Peering connection; `NAT` : NAT gateway; `NORMAL_CVM` : CVM instance; `CCN` : CCN instance; `NONEXTHOP` : No next hop.
NextHopDestination	No	String	ID of the next-hop gateway. If NextHopType is set to VPN, the value of this parameter is the VPN gateway ID, such as vpngw-12345678. `NextHopType` = `DIRECTCONNECT` : Direct connect gateway ID, such as `dcg-12345678` . `NextHopType` = `PEERCONNECTION` : Peering connection ID, such as `pcx-12345678` . `NextHopType` = `NAT` : NAT gateway ID, such as `nat-12345678` . If NextHopType is set to NORMAL_CVM, the value of this parameter is the IPv4 address of the CVM, such as 10.0.0.12. `NextHopType` = `CCN` : CCN instance ID, such as `ccn-12345678` . `NextHopType` = `NONEXTHOP` : No next hop.
NetDetectDescription	No	String	Network detection description.

3. Output Parameters

Parameter Name	Type	Description
NetDetect	NetDetect	The network detection (NetDetect) object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a network probe

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This example shows you how to create a network probe.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNetDetect
<Common request parameters>

{
"VpcId": "vpc-12345678",
"NextHopDestination": "10.0.0.4",
"NextHopType": "NORMAL_CVM",
"NetDetectName": "test",
"DetectDestinationIp": [
"10.0.0.3",
"10.0.0.2"
],
"SubnetId": "subnet-12345678"
}
```

Output Example

```
{
"Response": {
"NetDetect": {
"VpcId": "vpc-12345678",
"VpcName": "vpc-test",
"SubnetId": "subnet-12345678",
"SubnetName": "subnet-test",
"NetDetectId": "netd-12345678",
"NetDetectName": "test",
"DetectDestinationIp": [
"10.0.0.2",
"10.0.0.3"
],
"DetectSourceIp": [
"10.0.0.5",
"10.0.0.6"
],
"NextHopType": "NORMAL_CVM",
"NextHopDestination": "10.0.0.4",
"NextHopName": "",
"NetDetectDescription": "",
"CreateTime": "0000-00-00 00:00:00"
```

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```
},
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```


5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameter	A parameter error occurred.
InvalidParameter.NextHopMismatch	The next hop type does not match with the next hop gateway.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.NetDetectInVpc	The probe destination IP and network probe are in the same VPC.
InvalidParameterValue.NetDetectNotFoundIp	Unable to find the matched next hop in the CCN route table for the destination IP.
InvalidParameterValue.NetDetectSameIp	The detection destination IP address is the same as that of another network detection instance under the same subnet in the same VPC.
InvalidParameterValue.ResourceNotFound	This resource is not found.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceInsufficient	Insufficient resources.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.EcmpWithUserRoute	Form an ECMP with the user’s custom routes.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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DeleteNetDetect

Last updated：2024-11-25 20:08:21

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a network probe.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteNetDetect.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetDetectId	Yes	String	ID of a network probe, such as `netd-12345678` .

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a network probe by ID

This example shows you how to delete a network probe by ID.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteNetDetect
&NetDetectId=netd-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.RecordNotExists	The record does not exist.

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ModifyNetDetect

Last updated：2024-11-25 20:08:18

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyNetDetect) is used to modify network detection parameters.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyNetDetect.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetDetectId	Yes	String	The ID of a network detection instance, such as `netd-12345678`.
NetDetectName	No	String	The name of a network detection instance. The maximum length is 60 characters.
DetectDestinationIp.N	No	Array of String	The array of detection destination IPv4 addresses, which contains at most two IP addresses.
NextHopType	No	String	Type of the next hop. Valid values:

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			`VPN` : VPN gateway; `DIRECTCONNECT` : Direct connect gateway; `PEERCONNECTION` : Peering connection; `NAT` : NAT gateway; `NORMAL_CVM` : CVM instance; `CCN` : CCN instance; `NONEXTHOP` : No next hop.
NextHopDestination	No	String	ID of the next-hop gateway. If NextHopType is set to VPN, the value of this parameter is the VPN gateway ID, such as vpngw-12345678. `NextHopType` = `DIRECTCONNECT` : Direct connect gateway ID, such as `dcg-12345678` . `NextHopType` = `PEERCONNECTION` : Peering connection ID, such as `pcx-12345678` . `NextHopType` = `NAT` : NAT gateway ID, such as `nat-12345678` . If NextHopType is set to NORMAL_CVM, the value of this parameter is the IPv4 address of the CVM, such as 10.0.0.12. `NextHopType` = `CCN` : CCN instance ID, such as `ccn-12345678` . `NextHopType` = `NONEXTHOP` : No next hop.
NetDetectDescription	No	String	Network detection description.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the parameters of a network probe

This example shows you how to modify the parameters of a network probe.

Input Example

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```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyNetDetect
<Common request parameters>

{
"NetDetectId": "netd-12345678",
"NetDetectName": "test",
"NextHopType": "NORMAL_CVM",
"NextHopDestination": "10.0.0.4",
"DetectDestinationIp": [
"10.0.0.3",
"10.0.0.2"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameter	A parameter error occurred.
InvalidParameter.NextHopMismatch	The next hop type does not match with the next hop gateway.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NetDetectNotFoundIp	Unable to find the matched next hop in the CCN route table for the destination IP.
InvalidParameterValue.NetDetectSameIp	The detection destination IP address is the same as that of another network detection instance under the same subnet in the same VPC.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.EcmpWithUserRoute	Form an ECMP with the user’s custom routes.

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DescribeNetDetects

Last updated：2024-11-25 20:08:19

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeNetDetects) is used to query the list of network detection instances.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNetDetects.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetDetectIds.N	No	Array of String	The array of network probe IDs, such as [`netd-12345678`].
Filters.N	No	Array of Filter	Filter conditions. `NetDetectIds` and `Filters` cannot be specified at the same time. • vpc-id - String - (Filter condition) The VPC instance ID, such as vpc-12345678. • net-detect-id - String - (Filter condition) The network detection instance ID, such as netd-12345678.

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			• subnet-id - String - (Filter condition) The subnet instance ID, such as subnet-12345678. • net-detect-name - String - (Filter condition) The network detection name.
Offset	No	Integer	The offset. Default: 0.
Limit	No	Integer	The number of returned values. Default: 20. Maximum: 100.

3. Output Parameters

Parameter Name	Type	Description
NetDetectSet	Array of NetDetect	The array of network detection objects that meet requirements. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The number of network detection objects that meet requirements. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying all network probes

This example shows you how to query all network probes.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNetDetects
&<common request parameters>
```

Output Example

```
{
"Response": {
"NetDetectSet": [
{
"VpcId": "vpc-12345678",
```

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```
"VpcName": "vpc-test",
"SubnetId": "subnet-12345678",
"SubnetName": "subnet-test",
"NetDetectId": "netd-12345678",
"NetDetectName": "test",
"DetectDestinationIp": [
"10.0.0.2",
"10.0.0.3"
],
"DetectSourceIp": [
"10.0.0.5",
"10.0.0.6"
],
"NextHopType": "NORMAL_CVM",
"NextHopDestination": "10.0.0.4",
"NextHopName": "",
"NetDetectDescription": "",
"CreateTime": "0000-00-00 00:00:00"
},
{
"VpcId": "vpc-12345678",
"VpcName": "vpc-test",
"SubnetId": "subnet-12345678",
"SubnetName": "subnet-test",
"NetDetectId": "netd-12345679",
"NetDetectName": "test",
"DetectDestinationIp": [
"10.0.1.2",
"10.0.1.3"
],
"DetectSourceIp": [
"10.0.1.5",
"10.0.1.6"
],
"NextHopType": "NORMAL_CVM",
"NextHopDestination": "10.0.0.4",
"NextHopName": "",
"NetDetectDescription": "",
"CreateTime": "0000-00-00 00:00:00"
}
],
"TotalCount": 2,
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```


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Example2 Querying network probes by IDs

This example shows you how to query network probes by IDs.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNetDetects
&NetDetectIds.0=netd-12345678
&<common request parameters>
```

Output Example

```
{
"Response": {
"NetDetectSet": [
{
"VpcId": "vpc-12345678",
"VpcName": "vpc-test",
"SubnetId": "subnet-12345678",
"SubnetName": "subnet-test",
"NetDetectId": "netd-12345678",
"NetDetectName": "test",
"DetectDestinationIp": [
"10.0.0.2",
"10.0.0.3"
],
"DetectSourceIp": [
"10.0.0.5",
"10.0.0.6"
],
"NextHopType": "NORMAL_CVM",
"NextHopDestination": "10.0.0.4",
"NextHopName": "",
"NetDetectDescription": "",
"CreateTime": "0000-00-00 00:00:00"
}
],
"TotalCount": 1,
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```

5. Developer Resources

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SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeNetDetectStates

Last updated：2024-11-25 20:08:20

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeNetDetectStates) is used to query the list of network detection verification results.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeNetDetectStates.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
NetDetectIds.N	No	Array of String	The array of network probe IDs, such as [`netd-12345678`].
Filters.N	No	Array of Filter	Filter conditions. `NetDetectIds` and `Filters` cannot be specified at the same time. • `net-detect-id` - String - The network probe ID, such as `netd-12345678` .
Offset	No	Integer	The offset. Default: 0.

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Limit	No	Integer	The number of returned values. Default: 20. Maximum: 100.

3. Output Parameters

Parameter Name	Type	Description
NetDetectStateSet	Array of NetDetectState	The array of network detection verification results that meet requirements. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The number of network detection verification results that meet requirements. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of network probe verification results by IDs

This example shows you how to query the list of network probe verification results by IDs.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeNetDetectStates
&NetDetectIds.0=netd-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"NetDetectStateSet": [
{
"NetDetectId": "netd-12345678",
"NetDetectIpStateSet": [
{
```

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```
"DetectDestinationIp": "10.0.0.2",
"State": 0,
"Delay": 0,
"PacketLossRate": 0
},
{
"DetectDestinationIp": "10.0.0.3",
"State": 0,
"Delay": 0,
"PacketLossRate": 0
}
]
}
],
"TotalCount": 1,
"RequestId": "6aa316a4-07d2-4355-b87d-40b7f22972b0"
}
}
```


5. Developer Resources

SDK

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.ResourceNotFound	This resource is not found.
ResourceNotFound	The resource does not exist.

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Flow Log APIs
DeleteFlowLog

Last updated：2024-11-25 20:09:15

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a flow log.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteFlowLog.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
FlowLogId	Yes	String	The unique ID of the flow log.
VpcId	No	String	The VPC ID or unique ID of the resource. We recommend using the unique ID. This parameter is required unless a CCN flow log is deleted.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a flow log

This example shows you how to delete a flow log.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteFlowLog
&FlowLogId=fl-xxxxxx
&VpcId=vpc-xxxxxx
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "404428db-f850-40c2-803d-0aae49aba43a"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DisableFlowLogs

Last updated：2024-11-25 20:09:11

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to disable flow log.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisableFlowLogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
FlowLogIds.N	Yes	Array of String	Flow log ID.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disabling the flow log

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisableFlowLogs
&FlowLogIds.0=fl-7rymh5cn
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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EnableFlowLogs

Last updated：2024-11-25 20:09:10

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to enable flow log.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: EnableFlowLogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
FlowLogIds.N	Yes	Array of String	Flow log ID.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling the flow log

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=EnableFlowLogs
&FlowLogIds.0=fl-7rymh5cn
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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ModifyFlowLogAttribute

Last updated：2024-11-25 20:09:09

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the attributes of a flow log.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyFlowLogAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
FlowLogId	Yes	String	The unique ID of the flow log.
VpcId	No	String	The VPC ID or unique ID of the resource. We recommend using the unique ID. This parameter is required unless the attributes of a CCN flow log is modified.
FlowLogName	No	String	The name of the flow log instance.
FlowLogDescription	No	String	The description of the flow log.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the attributes of a flow log

This example shows you how to modify a flow log.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyFlowLogAttribute
&FlowLogId=fl-xxxxxx
&FlowLogName=xxxxx
&VpcId=vpc-xxxxx
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "404428db-f850-40c2-803d-0aae49aba43a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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DescribeFlowLog

Last updated：2024-11-25 20:09:14

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the information of a flow log.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeFlowLog.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	ID of the VPC instance.
FlowLogId	Yes	String	The unique ID of the flow log.

3. Output Parameters

Parameter Name	Type	Description

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FlowLog	Array of FlowLog	The flow log information.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying information of a flow log

This example shows you how to query a flow log.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeFlowLog
&VpcId=vpc-pq9vxykj
&FlowLogId=fl-f42uhpkj
&<Common request parameters>
```

Output Example


```
{
"Response": {
"FlowLog": [
{
"CloudLogId": "dfb8f1a2-8522-47c1-8571-67905167ab3f",
"CloudLogState": "SUCCESS",
"CreatedTime": "2019-05-08 10:48:26",
"FlowLogDescription": "",
"FlowLogId": "fl-f42uhpkj",
"FlowLogName": "test",
"ResourceId": "eni-78ysaex1",
"ResourceType": "NETWORKINTERFACE",
"TrafficType": "ACCEPT",
"VpcId": "vpc-pq9vxykj",
"StorageType": "cls",
"FlowLogStorage": {
"StorageTopic": "topic-siqmaox1",
"StorageId": "ckafka-akwiqms1"
},
"TagSet": [],
"Enable": true,
"CloudLogRegion": ""
```


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```
}
],
"RequestId": "404428db-f850-40c2-803d-0aae49aba43a"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeFlowLogs

Last updated：2024-11-25 20:09:13

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query all the flow logs of the current account.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeFlowLogs.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	No	String	ID of the VPC instance
FlowLogId	No	String	The unique ID of the flow log.
FlowLogName	No	String	The name of the flow log instance.
ResourceType	No	String	The resource type of the flow log. Valid values: 'VPC', 'SUBNET', and 'NETWORKINTERFACE'.
ResourceId	No	String	The unique ID of the resource.

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TrafficType	No	String	Type of flow logs to be collected. Valid values: 'ACCEPT', 'REJECT' and 'ALL'.
CloudLogId	No	String	The storage ID of the flow log.
CloudLogState	No	String	The storage ID status of the flow log.
OrderField	No	String	Order by field. Valid values: 'flowLogName' and 'createTime'. Default value: 'createTime'.
OrderDirection	No	String	In ascending (`asc`) or descending (`desc`) order. Default value: 'desc'.
Offset	No	Integer	The offset. Default value: 0.
Limit	No	Integer	The number of rows per page. Default value: 10.
Filters	No	Filter	Filter condition. `FlowLogId` and `Filters` cannot be specified at the same time. • `tag-key` - String - Optional - Filter by the tag key. • `tag:tag-key` - String - Optional - Filter by the tag key-value pair. The tag-key should be replaced with a specified tag key.
CloudLogRegion	No	String	The region corresponding to the flow log storage ID.

3. Output Parameters

Parameter Name	Type	Description
FlowLog	Array of FlowLog	The instance set of flow logs.
TotalNum	Integer	The total number of flow logs.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of flow logs

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This example shows you how to query the list of flow logs.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeFlowLogs
<Common request parameters>

{
"Limit": 10,
"Offset": 0
}
```

Output Example

```
{
"Response": {
"FlowLog": [
{
"CloudLogId": "dfb8f1a2-8522-47c1-8571-67905167ab3f",
"CloudLogRegion": "ap-guangzhou",
"CloudLogState": "SUCCESS",
"CreatedTime": "2019-05-07 18:00:26",
"FlowLogDescription": "",
"FlowLogId": "fl-2edhcclz",
"FlowLogName": "yuemingtest",
"ResourceId": "eni-78ysaex1",
"ResourceType": "NETWORKINTERFACE",
"TrafficType": "ACCEPT",
"VpcId": "vpc-pq9vxykj",
"StorageType": "cls",
"FlowLogStorage": {
"StorageTopic": "topic-siqmaox1",
"StorageId": "ckafka-akwiqms1"
},
"TagSet": [],
"Enable": true
},
{
"CloudLogId": "dfb8f1a2-8522-47c1-8571-67905167ab3f",
"CloudLogRegion": "ap-guangzhou",
"CloudLogState": "SUCCESS",
"CreatedTime": "2019-05-08 10:48:26",
"FlowLogDescription": "",
```

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```
"FlowLogId": "fl-f42uhpkj",
"FlowLogName": "test",
"ResourceId": "eni-78ysaex1",
"ResourceType": "NETWORKINTERFACE",
"TrafficType": "ACCEPT",
"VpcId": "vpc-pq9vxykj",
"StorageType": "cls",
"FlowLogStorage": {
"StorageTopic": "topic-siqmaox1",
"StorageId": "ckafka-akwiqms1"
},
"TagSet": [],
"Enable": true
}
],
"TotalNum": 2,
"RequestId": "404428db-f850-40c2-803d-0aae49aba43a"
}
}
```


Example2 Obtaining the information of flow logs

This example shows you how to query the information of flow logs.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeFlowLogs
<Common request parameters>

{
"VpcId": "vpc-ew41hsdj",
"FlowLogId": "fl-m4vogmhf"
}
```

Output Example


```
{
"Response": {
"FlowLog": [
{
"VpcId": "vpc-ew41hsdj",
"FlowLogId": "fl-m4vogmhf",
"FlowLogName": "sflow-nat",
```


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```
"ResourceType": "NAT",
"ResourceId": "nat-prlux840",
"TrafficType": "ALL",
"CloudLogId": "29a6c8c8-d57d-4e25-84b5-9114734ce6ca",
"CloudLogRegion": "ap-guangzhou",
"CloudLogState": "SUCCESS",
"FlowLogDescription": "",
"CreatedTime": "2022-05-18 15:26:50",
"Enable": true,
"StorageType": "cls",
"FlowLogStorage": {
"StorageId": "29a6c8c8-d57d-4e25-84b5-9114734ce6ca"
},
"TagSet": []
}
],
"TotalNum": 1,
"RequestId": "811bbd89-3c38-4926-9a8c-4bc97792aa34"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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CreateFlowLog

Last updated：2024-11-25 20:09:16

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a flow log.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateFlowLog.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
FlowLogName	Yes	String	The name of the flow log instance.
ResourceType	Yes	String	The type of resource associated with the flow log. Valid values: `VPC`, `SUBNET`, `NETWORKINTERFACE`, `CCN`, `NAT`, and `DCG`.
ResourceId	Yes	String	The unique ID of the resource.
TrafficType	Yes	String	Type of the flow logs to be collected. Valid values:

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			`ACCEPT` , `REJECT` and `ALL` .
VpcId	No	String	The VPC ID or unique ID of the resource. We recommend using the unique ID. This parameter is required unless the `ResourceType` is set to `CCN` .
FlowLogDescription	No	String	The description of the flow log.
CloudLogId	No	String	The storage ID of the flow log.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].
StorageType	No	String	Consumer types: `cls` and `ckafka`
FlowLogStorage	No	FlowLogStorage	Information of the flow log consumer, which is required when the consumer type is `ckafka` .
CloudLogRegion	No	String	The region corresponding to the flow log storage ID. If not passed in, this field defaults to the current region.

3. Output Parameters

Parameter Name	Type	Description
FlowLog	Array of FlowLog	The information of the flow log created.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a flow log

This example shows you how to create a flow log.

Input Example

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```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateFlowLog
<Common request parameters>

{
"FlowLogName": "test",
"CloudLogId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"VpcId": "vpc-xxxxxx",
"FlowLogDescription": "test-flowlog",
"ResourceType": "NETWORKINTERFACE",
"ResourceId": "eni-xxxxxxxx",
"TrafficType": "ACCEPT"
}
```

Output Example

```
{
"Response": {
"FlowLog": [
{
"VpcId": "vpc-pq9vxykj",
"FlowLogId": "fl-f42uhpkj",
"FlowLogName": "test",
"ResourceType": "NETWORKINTERFACE",
"ResourceId": "eni-78ysaex1",
"TrafficType": "ACCEPT",
"CloudLogId": "dfb8f1a2-8522-47c1-8571-67905167ab3f",
"CloudLogState": "",
"CloudLogRegion": "",
"FlowLogDescription": "",
"Enable": true,
"StorageType": "cls",
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
],
"FlowLogStorage": {
"StorageTopic": "",
"StorageId": ""
},
"CreatedTime": "0000-00-00 00:00:00"
```

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```
}
],
"RequestId": "404428db-f850-40c2-803"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.CreateCkafkaRouteError	Failed to create the Ckafka route. Please retry later.
InternalError.ModuleError	Internal module error
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
LimitExceeded	Quota limit is reached.
LimitExceeded.ActionLimited	Too often API invocations
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.

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UnsupportedOperation.DpdkNatFlowLogOnlySupportAllTrafficType	To create a DPDK NAT flow log, the collection type must be `All`.
UnsupportedOperation.FlowLogInstanceExisted	There is already a flow log created for the specified ResourceId.
UnsupportedOperation.FlowLogsNotSupportKoInstanceEni	Unable to create a flow log: the current ENI is bound with a KO model.
UnsupportedOperation.FlowLogsNotSupportNullInstanceEni	Unable to create a flow log: the current ENI is not bound to an instance.
UnsupportedOperation.OnlySupportProfessionKafka	Only the Ckafka Pro Edition is supported.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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Gateway Traffic Monitor APIs DescribeGatewayFlowQos

Last updated：2024-11-25 20:09:07

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the inbound IP bandwidth limit of a gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeGatewayFlowQos.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
GatewayId	Yes	String	Gateway instance ID. Supported types: Direct connect gateway instance, such as `dcg-ltjahce6` ; NAT gateway instance, such as `nat-ltjahce6` ; VPN gateway instance, such as `vpn-ltjahce6` .
IpAddresses.N	No	Array of String	CVM private IP addresses with limited bandwidth.

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Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
GatewayQosSet	Array of GatewayQos	List of instance details
TotalCount	Integer	Number of eligible instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the inbound IP bandwidth limit of a VPN gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeGatewayFlowQos
&GatewayId=vpngw-4je9dgin
&<Common request parameters>
```

Output Example

```
{
"Response": {
"GatewayQosSet": [
{
"VpcId": "vpc-mrzkofih",
"IpAddress": "10.0.0.12",
"Bandwidth": 10,
"CreateTime": "2020-01-01 10:00:00"
}
```

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```
],
"TotalCount": 1,
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.

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DisableGatewayFlowMonitor

Last updated：2024-11-25 20:09:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to disable gateway traffic monitor.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisableGatewayFlowMonitor.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
GatewayId	Yes	String	Gateway instance ID. Supported types: Direct connect gateway instance, such as `dcg-ltjahce6` ; NAT gateway instance, such as `nat-ltjahce6` ; VPN gateway instance, such as `vpn-ltjahce6` .

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disabling the VPN gateway traffic monitoring

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisableGatewayFlowMonitor
&GatewayId=vpngw-gree226l
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.

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EnableGatewayFlowMonitor

Last updated：2024-11-25 20:09:05

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to enable gateway traffic monitor.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: EnableGatewayFlowMonitor.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
GatewayId	Yes	String	Gateway instance ID. Supported types: Direct connect gateway instance, such as `dcg-ltjahce6` ; NAT gateway instance, such as `nat-ltjahce6` ; VPN gateway instance, such as `vpn-ltjahce6` .

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling the VPN gateway traffic monitoring

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=EnableGatewayFlowMonitor
&GatewayId=vpngw-gree226l
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.

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ModifyGatewayFlowQos

Last updated：2024-11-25 20:09:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the bandwidth limit of a gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyGatewayFlowQos.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
GatewayId	Yes	String	Gateway instance ID. Supported types: Direct connect gateway instance, such as `dcg-ltjahce6` ; NAT gateway instance, such as `nat-ltjahce6` ; VPN gateway instance, such as `vpn-ltjahce6` .
Bandwidth	Yes	Integer	Bandwidth limit value in Mbps. Valid values: >0: Set the limit to the specified value. 0: Block all traffic. -1: No bandwidth limit.
IpAddresses.N	Yes	Array of	CVM private IP addresses with limited bandwidth.

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		String	

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the bandwidth limit of a VPN gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyGatewayFlowQos
&GatewayId=vpngw-gree226l
&Bandwidth=10
&IpAddresses.0=10.0.0.12
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "627c2362-890f-4f9e-9158-5e457b80d48b"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.

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DescribeGatewayFlowMonitorDetail

Last updated：2025-03-11 22:34:46

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the traffic monitoring details of the gateway.

- You can only use this API to query a single gateway instance, which means you must pass in only one of `VpnId`, `DirectConnectGatewayId`, `PeeringConnectionId`, or `NatId`.
- If the gateway has traffic, but no data is returned when this API is called, please check whether gateway traffic monitoring has been enabled in the corresponding gateway details page in the console.

A maximum of 30 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeGatewayFlowMonitorDetail.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
TimePoint	Yes	Timestamp	The point in time. This indicates details of this minute will be queried. For example, in `2019-02-28 18:15:20`, details at `18:15` will be queried.

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VpnId	No	String	The instance ID of the VPN gateway, such as `vpn-ltjahce6` .
DirectConnectGatewayId	No	String	The instance ID of the Direct Connect gateway, such as `dcg-ltjahce6` .
PeeringConnectionId	No	String	The instance ID of the peering connection, such as `pcx-ltjahce6` .
NatId	No	String	The instance ID of the NAT gateway, such as `nat-ltjahce6` .
Offset	No	Integer	Offset.
Limit	No	Integer	The returned quantity.
OrderField	No	String	The order field supports `InPkg` , `OutPkg` , `InTraffic` , and `OutTraffic` .
OrderDirection	No	String	Order methods. Ascending: `ASC` , Descending: `DESC` .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of objects meeting the condition.
GatewayFlowMonitorDetailSet	Array of GatewayFlowMonitorDetail	The gateway traffic monitoring details.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the Traffic Monitoring Details of a Traditional NAT Gateway

This example shows you how to query the traffic monitoring details of a traditional NAT gateway.

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Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeGatewayFlowMonitorDetail
&TimePoint=2019-02-28 18:15:20
&NatId=nat-lz6rjk7n
&OrderField=OutTraffic
&OrderDirection=DESC
&<common request parameters>
```

Output Example


```
{
"Response": {
"GatewayFlowMonitorDetailSet": [
{
"PrivateIpAddress": "172.20.65.74",
"InPkg": 182,
"OutPkg": 263,
"InTraffic": 17316,
"OutTraffic": 35269
},
{
"PrivateIpAddress": "172.20.65.63",
"InPkg": 0,
"OutPkg": 20,
"InTraffic": 0,
"OutTraffic": 1960
},
{
"PrivateIpAddress": "172.20.65.70",
"InPkg": 0,
"OutPkg": 20,
"InTraffic": 0,
"OutTraffic": 1960
},
{
"PrivateIpAddress": "172.20.65.172",
"InPkg": 0,
"OutPkg": 20,
"InTraffic": 0,
"OutTraffic": 1960
},
{
"PrivateIpAddress": "172.20.65.249",
"InPkg": 0,
"OutPkg": 20,
```


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```
"InTraffic": 0,
"OutTraffic": 1960
}
],
"TotalCount": 261,
"RequestId": "0fc9884d-7aa1-4d95-95d3-7945108d2b10"
}
}
```


Example2 Querying the Traffic Monitoring Details of a Standard NAT Gateway

This example shows you how to query the traffic monitoring details of a standard NAT gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeGatewayFlowMonitorDetail
&TimePoint=2024-06-24 14:03:00
&NatId=nat-g0pwqefo
&OrderField=InTraffic
&OrderDirection=DESC
&<common request parameters>
```

Output Example


```
{
"Response": {
"GatewayFlowMonitorDetailSet": [
{
"PrivateIpAddress": "2.2.2.2",
"InPkg": 5455,
"OutPkg": 4444,
"InTraffic": 1048576,
"OutTraffic": 1234567
}
],
"TotalCount": 1,
"RequestId": "396e6170-f2ce-4233-9405-9a2e5ce8b0b5"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnsupportedOperation	Unsupported operation.

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Private Link APIs
CreateVpcEndPoint

Last updated：2024-11-25 20:08:14

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create an endpoint.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpcEndPoint.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC instance ID
SubnetId	Yes	String	Subnet instance ID
EndPointName	Yes	String	Endpoint name
EndPointServiceId	Yes	String	Endpoint service ID
EndPointVip	No	String	Endpoint VIP. You can apply for a specified IP.

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SecurityGroupId	No	String	Security group ID

3. Output Parameters

Parameter Name	Type	Description
EndPoint	EndPoint	Endpoint details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creates an endpoint

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateVpcEndPoint
<Common request parameters>

{
"SubnetId": "subnet-4t7fr3fi",
"EndPointName": "point_002",
"VpcId": "vpc-coekkqtd",
"EndPointServiceId": "vpcsvc-kngiybxl"
}
```

Output Example

```
{
"Response": {
"EndPoint": {
"ServiceVpcId": "vpc-hj3he929",
"VpcId": "vpc-coekkqtd",
"State": "PENDING",
"ServiceVip": "10.101.1.11",
```

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```
"EndPointName": "point_002",
"GroupSet": [],
"EndPointOwner": "1302384414",
"EndPointId": "vpce-h0fk8lfc",
"SubnetId": "subnet-4t7fr3fi",
"CreateTime": "0000-00-00 00:00:00",
"EndPointServiceId": "vpcsvc-kngiybxl",
"EndPointVip": "10.0.0.8",
"ServiceName": "Service"
},
"RequestId": "fefb383a-7394-46c9-ba34-6b21e8fb3ac1"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.

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InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.
ResourceInsufficient	Insufficient resources.
ResourceInsufficient.Subnet	The subnet does not have sufficient IPs.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourceUnavailable.ServiceWhiteListNotAdded	The current user is not in the allowlist of the specified endpoint service.
UnauthorizedOperation.NoRealNameAuthentication	Identity verification has not been completed for the account.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.EndPointMismatchEndPointServiceCdcId	
UnsupportedOperation.EndPointService	The endpoint service itself cannot be set as the endpoint.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.
UnsupportedOperation.SnatSubnet	The SNAT subnet does not support assigning IPs.
UnsupportedOperation.SpecialEndPointService	The endpoint created by the specified endpoint service cannot be bound to a security group.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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CreateVpcEndPointService

Last updated：2024-11-25 20:08:13

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create an endpoint service.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpcEndPointService.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC instance ID
EndPointServiceName	Yes	String	Endpoint service name
AutoAcceptFlag	Yes	Boolean	Whether to automatically accept
ServiceInstanceId	Yes	String	Real server ID, such as `lb-xxx` .
IsPassService	No	Boolean	(Disused) Whether it's a PaaS service
ServiceType	No	String	Mounted PaaS service type. Values: `CLB` (default),

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			`CDB` , `CRS`

3. Output Parameters

Parameter Name	Type	Description
EndPointService	EndPointService	Endpoint service details
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an endpoint service

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateVpcEndPointService
<Common request parameters>

{
"AutoAcceptFlag": true,
"EndPointServiceName": "Test",
"VpcId": "vpce-h0fk8lfc",
"IsPassService": true,
"ServiceInstanceId": "lb-nswq8wkq",
"ServiceType": "CLB"
}
```

Output Example

```
{
"Response": {
"RequestId": "b237f475-49b3-4b10-af8e-071e0a5c7d7a",
"EndPointService": {
```

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```
"VpcId": "vpc-hj3he929",
"AutoAcceptFlag": "false",
"ServiceInstanceId": "lb-nswq8wkq",
"ServiceName": "test_002",
"EndPointServiceId": "vpcsvc-kngiybxl",
"ServiceVip": "10.101.1.11",
"CreateTime": "0000-00-00 00:00:00",
"ServiceOwner": "1254277469",
"EndPointCount": 1,
"EndPointSet": []
}
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error

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InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InstanceMismatch	The specified instance resource does not match.
UnsupportedOperation.NotMatchTargetService	The target service specified does not match the one specified in the IP application.
UnsupportedOperation.ResourceIsInvalidState	Operation prohibited: The resource is not available.
UnsupportedOperation.RoleNotFound	No roles available. Please confirm whether you get the authorization for the role.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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CreateVpcEndPointServiceWhiteList

Last updated：2024-11-25 20:08:12

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create the endpoint service allowlist.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpcEndPointServiceWhiteList.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
UserUin	Yes	String	UIN
EndPointServiceId	Yes	String	Endpoint service ID
Description	No	String	Allowlist description

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating the endpoint service allowlist

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateVpcEndPointServiceWhiteList
<Common request parameters>

{
"UserUin": "100016184089",
"Description": "Description",
"EndPointServiceId": "vpcsvc-kngiybxl"
}
```

Output Example

```
{
"Response": {
"RequestId": "7e6f5074-e4a2-4bb6-9cac-d2357a00896f"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.UinNotFound	The account ID does not exist.

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DeleteVpcEndPoint

Last updated：2024-11-25 20:08:10

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete an endpoint.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpcEndPoint.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
EndPointId	Yes	String	Endpoint ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 DeleteVpcEndPoint

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteVpcEndPoint
<Common request parameters>

{
"EndPointId": "vpce-h0fk8lfc"
}
```

Output Example

```
{
"Response": {
"RequestId": "7e6f5074-e4a2-4bb6-9cac-d2357a00896f"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.

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DeleteVpcEndPointService

Last updated：2024-11-25 20:08:09

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete an endpoint service.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpcEndPointService.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
EndPointServiceId	Yes	String	Endpoint ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the

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		request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an endpoint service

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteVpcEndPointService
<Common request parameters>

{
"EndPointServiceId": "vpcsvc-kngiybxl"
}
```

Output Example

```
{
"Response": {
"RequestId": "7e6f5074-e4a2-4bb6-9cac-d2357a00896f"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.

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DeleteVpcEndPointServiceWhiteList

Last updated：2024-11-25 20:08:08

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete the endpoint service allowlist.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpcEndPointServiceWhiteList.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
UserUin.N	Yes	Array of String	Array of user UINs
EndPointServiceId	Yes	String	Endpoint service ID

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the endpoint service allowlist

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteVpcEndPointServiceWhiteList
<Common request parameters>

{
"UserUin": [
"100000059551"
],
"EndPointServiceId": "vpcsvc-kngiybxl"
}
```

Output Example

```
{
"Response": {
"RequestId": "ecaa7a90-a2fd-4fa3-8bf8-7d0723c95a99"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.UinNotFound	The account ID does not exist.

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DescribeVpcEndPointServiceWhiteList

Last updated：2024-11-25 20:08:05

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the endpoint service allowlist.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcEndPointServiceWhiteList.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of results per page; default value: 20; maximum value: 100.
Filters.N	No	Array of Filter	Filter condition • user-uin - String - (Filter condition) UIN. • end-point-service-id - String - (Filter condition) Endpoint service ID.

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3. Output Parameters

Parameter Name	Type	Description
VpcEndpointServiceUserSet	Array of VpcEndPointServiceUser	Array of allowed endpoint services
TotalCount	Integer	Number of matched allowlists
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 DescribeVpcEndPointServiceWhiteList

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeVpcEndPointServiceWhiteList
&<Common request parameters>
```

Output Example

```
{
"Response": {
"TotalCount": 1,
"VpcEndpointServiceUserSet": [
{
"Owner": 1254277469,
"UserUin": "100016184089",
"Description": "Description",
"EndPointServiceId": "",
"CreateTime": "vpcsvc-kngiybxl"
}
],
"RequestId": "7e6f5074-e4a2-4bb6-9cac-d2357a00896f"
}
}
```

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5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
UnsupportedOperation.UinNotFound	The account ID does not exist.

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DisassociateVpcEndPointSecurityGroups

Last updated：2024-11-25 20:08:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to unbind an endpoint from a security group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisassociateVpcEndPointSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupIds.N	Yes	Array of String	Array of security group IDs
EndPointId	Yes	String	Endpoint ID

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Unbinding an endpoint from a security group

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DisassociateVpcEndPointSecurityGroups
<Common request parameters>

{
"EndPointId": "vpce-h0fk8lfc",
"SecurityGroupIds": [
"sg-serghftg"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "7e6f5074-e4a2-4bb6-9cac-d2357a00896f"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

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ModifyVpcEndPointAttribute

Last updated：2024-11-25 20:08:01

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify endpoint attributes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpcEndPointAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
EndPointId	Yes	String	Endpoint ID
EndPointName	No	String	Endpoint name
SecurityGroupIds.N	No	Array of String	List of security group IDs

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying endpoint attributes

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyVpcEndPointAttribute
<Common request parameters>

{
"EndPointName": "Test",
"EndPointId": "vpce-h0fk8lfc"
}
```

Output Example

```
{
"Response": {
"RequestId": "fefb383a-7394-46c9-ba34-6b21e8fb3ac1"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
ResourceNotFound.SvcNotExist	The Svc doesn't exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.SpecialEndPointService	The endpoint created by the specified endpoint service cannot be bound to a security group.

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ModifyVpcEndPointServiceWhiteList

Last updated：2024-11-25 20:07:59

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the attributes of the endpoint service allowlist.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpcEndPointServiceWhiteList.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
UserUin	Yes	String	User UIN
EndPointServiceId	Yes	String	Endpoint service ID
Description	No	String	Allowlist description

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the endpoint service allowlist

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyVpcEndPointServiceWhiteList
<Common request parameters>

{
"UserUin": "123",
"Description": "Test",
"EndPointServiceId": "vpcsvc-b2mrmmx7"
}
```

Output Example

```
{
"Response": {
"RequestId": "cccb2665-5d02-4d87-b9e7-757bb06e5beb"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.UinNotFound	The account ID does not exist.

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ModifyVpcEndPointServiceAttribute

Last updated：2024-11-25 20:08:00

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify the VPC endpoint service attributes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpcEndPointServiceAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
EndPointServiceId	Yes	String	Endpoint service ID
VpcId	Yes	String	VPC ID
EndPointServiceName	No	String	Endpoint service name
AutoAcceptFlag	No	Boolean	Whether to automatically accept VPC endpoint connection requests. Valid values: • `true` : yes • `false` : no

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ServiceInstanceId	No	String	Real server ID in the format of `lb-xxx` .

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying endpoint service attributes

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyVpcEndPointServiceAttribute
<Common request parameters>

{
"AutoAcceptFlag": true,
"EndPointServiceName": "Test",
"EndPointServiceId": "vpcsvc-kngiybxl",
"VpcId": "vpc-hj3he929"
}
```

Output Example

```
{
"Response": {
"RequestId": "fefb383a-7394-46c9-ba34-6b21e8fb3ac1"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.

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DescribeVpcEndPoint

Last updated：2024-11-25 20:08:07

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the endpoint list.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcEndPoint.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filter condition • end-point-service-id - String - (Filter condition) Endpoint service ID. • end-point-name - String - (Filter condition) Endpoint instance name. • end-point-id - String - (Filter condition) Endpoint instance ID. • vpc-id - String - (Filter condition) VPC instance ID.
Offset	No	Integer	Offset. Default value: 0.

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Limit	No	Integer	Number of results per page; default value: 20; maximum value: 100.
EndPointId.N	No	Array of String	Endpoint ID list

3. Output Parameters

Parameter Name	Type	Description
EndPointSet	Array of EndPoint	Endpoint
TotalCount	Integer	Number of matched endpoints
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the endpoint list

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpcEndPoint
<Common request parameters>

{
"Limit": 1,
"EndPointId": [
"vpce-h0fk8lfc"
],
"Offset": 1
}
```

Output Example

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```
{
"Response": {
"TotalCount": 1,
"RequestId": "7e6f5074-e4a2-4bb6-9cac-d2357a00896f",
"EndPointSet": [
{
"ServiceVpcId": "vpc-hj3he929",
"GroupSet": [
"sg-tyhgrwet"
],
"ServiceName": "Test",
"State": "PENDING",
"ServiceVip": "10.101.1.11",
"EndPointName": "Endpoint",
"VpcId": "vpc-hj3he929",
"EndPointOwner": "1302384414",
"EndPointId": "vpce-h0fk8lfc",
"SubnetId": "subnet-4t7fr3fi",
"CreateTime": "0000-00-00 00:00:00",
"EndPointServiceId": "vpcsvc-kngiybxl",
"EndPointVip": "10.101.1.11"
}
]
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for PHP
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Command Line Interface

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
ResourceNotFound.SvcNotExist	The Svc doesn't exist.

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EnableVpcEndPointConnect

Last updated：2024-11-25 20:08:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to determine whether to accept the request of connecting with an endpoint.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: EnableVpcEndPointConnect.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
EndPointServiceId	Yes	String	Endpoint service ID
EndPointId.N	Yes	Array of String	Endpoint ID
AcceptFlag	Yes	Boolean	Whether to accept the request of connecting with an endpoint

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Determining whether to accept the request of connecting with an endpoint

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: EnableVpcEndPointConnect
<Common request parameters>

{
"AcceptFlag": true,
"EndPointId": [
"vpce-h0fk8lfc"
],
"EndPointServiceId": "vpcsvc-kngiybxl"
}
```

Output Example

```
{
"Response": {
"RequestId": "ecaa7a90-a2fd-4fa3-8bf8-7d0723c95a99"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeVpcEndPointService

Last updated：2024-11-25 20:08:06

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the endpoint service list.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcEndPointService.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
Filters.N	No	Array of Filter	Filters. `EndPointServiceIds` and `Filters` cannot be both passed in. • `service-id` - String - Unique endpoint service ID. • `service-name` - String - Endpoint service instance name. • `service-instance-id` - String - Unique backend service ID in the format of `lb-xxx` .

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			• `service-type` - String - Backend PaaS service type. It can be `CLB`, `CDB` or `CRS`. It defaults to `CLB` if not specified.
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Number of results per page; default value: 20; maximum value: 100.
EndPointServiceIds.N	No	Array of String	Endpoint service ID `EndPointServiceIds` and `Filters` cannot be both passed in.
IsListAuthorizedEndPointService	No	Boolean	

3. Output Parameters

Parameter Name	Type	Description
EndPointServiceSet	Array of EndPointService	Array of endpoint services
TotalCount	Integer	Number of matched results
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of endpoint services

This example shows you how to query the list of endpoint services.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpcEndPointService
<Common request parameters>

{
```

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```
"EndPointServiceIds": [
"vpcsvc-kngiybxl"
],
"Limit": 1,
"Offset": 1
}
```

Output Example

```
{
"Response": {
"EndPointServiceSet": [
{
"EndPointServiceId": "vpcsvc-pnpcflil",
"VpcId": "vpc-hj3he929",
"ServiceOwner": "1254277469",
"ServiceName": "test_002",
"ServiceVip": "10.101.1.11",
"ServiceInstanceId": "lb-nswq8wkq",
"AutoAcceptFlag": true,
"EndPointCount": 1,
"EndPointSet": [
{
"ServiceVpcId": "vpc-hj3he929",
"GroupSet": [
"sg-tyhgrwet"
],
"ServiceName": "Test",
"State": "PENDING",
"ServiceVip": "10.101.1.11",
"EndPointName": "Node",
"VpcId": "vpc-hj3he929",
"EndPointOwner": "1302384414",
"EndPointId": "vpce-h0fk8lfc",
"SubnetId": "subnet-4t7fr3fi",
"CreateTime": "0000-00-00 00:00:00",
"EndPointServiceId": "vpcsvc-kngiybxl",
"EndPointVip": "10.101.1.11"
}
],
"CreateTime": "0000-00-00 00:00:00",
"ServiceType": "CLB"
}
],
"TotalCount": 1,
"RequestId": "452e8b38-10a1-4d8a-8a31-a64b89c8f565"
```

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```
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	

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InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InstanceMismatch	The specified instance resource does not match.
UnsupportedOperation.RoleNotFound	No roles available. Please confirm whether you get the authorization for the role.

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Other APIs
DescribeVpcTaskResult

Last updated：2024-11-25 20:08:15

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the execution result of a VPC task.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpcTaskResult.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
TaskId	Yes	String	`RequestId` returned by an async task

3. Output Parameters

Parameter	Type	Description

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Name		
Status	String	The execution results of an async task. Valid values: `SUCCESS` (task executed successfully), `FAILED` (task execution failed), and `RUNNING` (task in progress).
Output	String	Output of the async task execution result
Result	Array of VpcTaskResultDetailInfo	Detailed result of an async task, such as the result of batch deleting ENIs. Note: this field may return `null`, indicating that no valid value can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the execution result of an async task

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpcTaskResult
<Common request parameters>

{
"TaskId": "481e9b6e-81d1-4859-b8cf-a673e010b388"
}
```

Output Example

```
{
"Response": {
"Status": "SUCCESS",
"Output": "SUCCESS",
"Result": [
{
"ResourceId": "eni-olifj433",
"Status": "SUCCESS"
```

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```
}
],
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue	The parameter value is invalid.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation	Unsupported operation.

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Subnet APIs
AssignIpv6SubnetCidrBlock

Last updated：2024-11-25 20:07:35

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (AssignIpv6SubnetCidrBlock) is used to assign IPv6 subnet IP ranges.

- To assign an `IPv6` IP range to a subnet, the `VPC` that the subnet belongs to should have obtained the `IPv6` IP range. If this has not been assigned, use the `AssignIpv6CidrBlock` API to assign an `IPv6` IP range to the `VPC` to which the subnet belongs. Otherwise, the `IPv6` subnet IP range cannot be assigned.
- Each subnet can only be assigned one IPv6 IP range.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AssignIpv6SubnetCidrBlock.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

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VpcId	Yes	String	The `ID` of the VPC where the subnet is located, such as `vpc-f49l6u0z`.
Ipv6SubnetCidrBlocks.N	Yes	Array of Ipv6SubnetCidrBlock	The assigned `IPv6` subnet IP range list.

3. Output Parameters

Parameter Name	Type	Description
Ipv6SubnetCidrBlockSet	Array of Ipv6SubnetCidrBlock	The assigned `IPv6` subnet IP range list.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Applying for an IPv6 subnet IP range

This example shows you how to apply for an IPv6 subnet.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AssignIpv6SubnetCidrBlock
<Common request parameters>

{
"VpcId": "vpc-q26u781x",
"Ipv6SubnetCidrBlocks": [
{
"SubnetId": "subnet-8uwg949c",
"Ipv6CidrBlock": "2001::85b:3c51:f5ff:ffdb"
}
]
}
```

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Output Example

```
{
"Response": {
"Ipv6SubnetCidrBlockSet": [
{
"SubnetId": "subnet-8uwg949c",
"Ipv6CidrBlock": "2001::85b:3c51:f5ff:ffdb"
}
],
"RequestId": "d681727c-6291-4409-9ab6-6ecbb493243c"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.

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InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
InvalidParameterValue.SubnetRange	Invalid subnet CIDR.
LimitExceeded.SubnetCidrBlock	The number of subnet IP ranges assigned in the subnet has reached the upper limit.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.

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DeleteSubnet

Last updated：2024-11-25 20:03:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a subnet.

- Remove all resources in the subnet before deleting it

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteSubnet.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SubnetId	Yes	String	The ID of the subnet instance. You can obtain the parameter value from the SubnetId field in the returned result of DescribeSubnets API.

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a subnet

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSubnet
&Version=2017-03-12
&SubnetId=subnet-pxir56ns
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.NatGatewaySnatRuleNotExists	The SNAT forwarding rule of the NAT gateway does not exist.
UnsupportedOperation.RecordNotExists	The record does not exist.

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UnassignIpv6SubnetCidrBlock

Last updated：2024-11-25 20:07:31

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (UnassignIpv6SubnetCidrBlock) is used to release IPv6 subnet IP ranges.
If the subnet IP range still has occupied IPs that are not yet repossessed, the subnet IP range cannot be released.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: UnassignIpv6SubnetCidrBlock.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the VPC where the subnet is located, such as `vpc-f49l6u0z`.
Ipv6SubnetCidrBlocks.N	Yes	Array of Ipv6SubnetCidrBlock	The `IPv6` subnet IP range list.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Releasing an IPv6 subnet IP range

This example shows you how to release an IPv6 subnet IP range.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=UnassignIpv6SubnetCidrBlock
&VpcId=vpc-rkxd3pgh
&Ipv6SubnetCidrBlocks.0.SubnetId=subnet-ewhv1m9e
&Ipv6SubnetCidrBlocks.1.SubnetId=subnet-3s5bhzb0
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "75221557-b667-440a-8cfe-ccd1bde2a234"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.

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CreateSubnet

Last updated：2024-11-25 20:03:33

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a subnet.

- You must create a VPC instance before creating a subnet.
- After the subnet is successfully created, its IP address range cannot be modified. The subnet IP address range must fall within the VPC IP address range. They can be the same if the VPC instance has only one subnet. We recommend that you keep the subnet IP address range within the VPC IP address range to reserve IP address ranges for other subnets.
- The subnet mask of the smallest IP address range that can be created is 28 (16 IP addresses), and that of the largest IP address range is 16 (65,536 IP addresses).
- IP address ranges of different subnets cannot overlap with each other within the same VPC instance.
- A subnet is automatically associated with the default route table once created.
- You can bind a tag when creating a subnet. The tag list in the response indicates the tags that have been successfully added.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateSubnet.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.

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Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The ID of the VPC instance to be operated on. You can obtain the parameter value from the VpcId field in the returned result of DescribeVpcs API.
SubnetName	Yes	String	The subnet name. The maximum length is 60 bytes.
CidrBlock	Yes	String	The subnet IP address range. It must be within the VPC IP address range. Subnet IP address ranges cannot overlap with each other within the same VPC.
Zone	Yes	String	The ID of the availability zone in which the subnet resides. You can set up disaster recovery across availability zones by choosing different availability zones for different subnets.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].
CdcId	No	String	CDC instance ID

3. Output Parameters

Parameter Name	Type	Description
Subnet	Subnet	Subnet object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a subnet

This example shows you how to create a subnet.

Input Example

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```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateSubnet
<Common request parameters>

{
"SubnetName": "TestSubnet",
"VpcId": "vpc-m3ul053f",
"CidrBlock": "10.8.0.0/24",
"Zone": "ap-guangzhou-1",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
]
}
```

Output Example

```
{
"Response": {
"Subnet": {
"VpcId": "vpc-m3ul053f",
"EnableBroadcast": true,
"Zone": "1001",
"IsCdcSubnet": 0,
"AvailableIpAddressCount": 1021,
"IsRemoteVpcSnat": true,
"SubnetName": "subnet1",
"TotalIpAddressCount": 1024,
"TagSet": [
{
"Value": "shanghai",
"Key": "city"
}
],
"CreatedTime": "2023-03-21 18:00:00",
"SubnetId": "subnet-1d32nvu2",
"CidrBlock": "10.8.0.0/24",
"IsDefault": false,
"CdcId": "",
"Ipv6CidrBlock": "",
"RouteTableId": "",
```

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```
"NetworkAclId": ""
},
"RequestId": "9450a158-0487-4baa-bd3f-a07f343b6c4e"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
InvalidParameterValue.SubnetOverlap	The CIDR block overlaps with another subnet within the same VPC.
InvalidParameterValue.SubnetRange	Invalid subnet CIDR.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidParameterValue.ZoneConflict	The `Zone` parameter value should be the zone where CDC resides.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.

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LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.DcGatewaysNotFoundInVpc	No direct connect gateway exists in the specified VPC.
UnsupportedOperation.RecordExists	This record already exists.
UnsupportedOperation.RecordNotExists	The record does not exist.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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CreateSubnets

Last updated：2024-11-25 20:07:33

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create subnets in batches.

- You must create a VPC instance before creating a subnet.
- After the subnet is successfully created, its IP address range cannot be modified. The subnet IP address range must fall within the VPC IP address range. They can be the same if the VPC has only one subnet. We recommend that you keep the subnet IP address range within the VPC IP address range to reserve IP address ranges for other subnets.
- The subnet mask of the smallest IP address range that can be created is 28 (16 IP addresses), and that of the largest IP address range is 16 (65,536 IP addresses).
- IP address ranges of different subnets cannot overlap with each other within the same VPC instance.
- A subnet is automatically associated with the default route table once created.
- You can bind a tag when creating a subnet. The tag list in the response indicates the tags that have been successfully added.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateSubnets.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.

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Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	The `ID` of the `VPC` instance, such as `vpc-6v2ht8q5`.
Subnets.N	Yes	Array of SubnetInput	The subnet object list.
Tags.N	No	Array of Tag	Bound tags. Note that the collection of tags here is shared by all subnet objects in the list. You cannot specify tags for each subnet. Example: [{"Key": "city", "Value": "shanghai"}].
CdcId	No	String	ID of the CDC instance to which the subnets will be created

3. Output Parameters

Parameter Name	Type	Description
SubnetSet	Array of Subnet	The list of newly created subnets.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Batch creating subnets

This example shows you how to batch create subnets.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateSubnets
&VpcId=vpc-6v2ht8q5
&Subnets.0.CidrBlock=10.4.14.0/24
&Subnets.0.SubnetName=t1
&Subnets.0.Zone=ap-guangzhou-2
&Tags.0.Key=city
```

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```
&Tags.0.Value=shanghai
&<Common request parameters>
```

Output Example


```
{
"Response": {
"SubnetSet": [
{
"NetworkAclId": "acl-6v2ht8q5",
"RouteTableId": "rtb-pwtiswpd",
"VpcId": "vpc-6v2ht8q5",
"EnableBroadcast": false,
"Zone": "ap-guangzhou-2",
"IsCdcSubnet": 0,
"Ipv6CidrBlock": "",
"CdcId": "",
"AvailableIpAddressCount": 1,
"IsRemoteVpcSnat": true,
"SubnetName": "t1",
"TotalIpAddressCount": 1,
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
],
"CreatedTime": "2023-03-29 14:32:17",
"SubnetId": "subnet-5v5nrzz9",
"CidrBlock": "10.4.14.0/24",
"IsDefault": false
}
],
"RequestId": "158ac65e-d504-42f6-baac-b716f5855254"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
InvalidParameterValue.SubnetRange	Invalid subnet CIDR.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.

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InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidParameterValue.ZoneConflict	The `Zone` parameter value should be the zone where CDC resides.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.DcGatewaysNotFoundInVpc	No direct connect gateway exists in the specified VPC.
UnsupportedOperation.RecordExists	This record already exists.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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DescribeSubnetResourceDashboard

Last updated：2024-11-25 20:07:32

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the subnet resource.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSubnetResourceDashboard.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SubnetIds.N	Yes	Array of String	Subnet instance ID, such as `subnet-f1xjkw1b` .

3. Output Parameters

Parameter Name	Type	Description

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ResourceStatisticsSet	Array of ResourceStatistics	Information of resources returned
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying resources associated with a subnet

This example shows you how to query the

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSubnetResourceDashboard
&SubnetIds.0=subnet-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ResourceStatisticsSet": [
{
"VpcId": "vpc-12345678",
"SubnetId": "subnet-12345678",
"Ip": 14,
"ResourceStatisticsItemSet": [
{
"ResourceType": "NetworkDetect",
"ResourceName": "NetworkDetect",
"ResourceCount": 1
},
{
"ResourceType": "LoadBanlancer",
"ResourceName": "LoadBanlancer",
"ResourceCount": 2
},
{
"ResourceType": "MySQL",
"ResourceName": "MySQL",
"ResourceCount": 1
```

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```
},
{
"ResourceType": "Memcached",
"ResourceName": "Memcached",
"ResourceCount": 1
},
{
"ResourceType": "CTSDB",
"ResourceName": "CTSDB",
"ResourceCount": 0
},
{
"ResourceType": "TDSQL",
"ResourceName": "TDSQL",
"ResourceCount": 0
},
{
"ResourceType": "SQL Server",
"ResourceName": "SQL Server",
"ResourceCount": 0
},
{
"ResourceType": "PostgreSQL",
"ResourceName": "PostgreSQL",
"ResourceCount": 0
},
{
"ResourceType": "NAS",
"ResourceName": "NAS",
"ResourceCount": 0
},
{
"ResourceType": "Snova",
"ResourceName": "Snova",
"ResourceCount": 0
},
{
"ResourceType": "Ckafka",
"ResourceName": "Ckafka",
"ResourceCount": 1
},
{
"ResourceType": "Grocery",
"ResourceName": "Grocery",
"ResourceCount": 0
},
{
```


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```
"ResourceType": "Cloudhsm",
"ResourceName": "Cloudhsm",
"ResourceCount": 0
},
{
"ResourceType": "MongoDB",
"ResourceName": "MongoDB",
"ResourceCount": 0
}
]
}
],
"RequestId": "0fee1673-de33-4f0c-9ce4-037cbcf2d7b2"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DescribeSubnets

Last updated：2025-03-11 22:34:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeSubnets) is used to query the list of subnets.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSubnets.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SubnetIds.N	No	Array of String	Queries the ID of the subnet instance, such as `subnet-pxir56ns`. Each request can have a maximum of 100 instances. `SubnetIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	Filter condition. `SubnetIds` and `Filters` cannot be specified at the same time. • subnet-id - String - (Filter condition) Subnet instance name. • vpc-id - String - (Filter condition) VPC instance ID, such as `vpc-f49l6u0z`.

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			• cidr-block - String - (Filter condition) Subnet IP range, such as `192.168.1.0`. • is-default - Boolean - (Filter condition) Whether it is the default subnet. • is-remote-vpc-snat - Boolean - (Filter condition) Whether it is a VPC SNAT address pool subnet. • subnet-name - String - (Filter condition) Subnet name. • zone - String - (Filter condition) Availability zone. • tag-key - String - Required: No - (Filter condition) Filter by tag key. • tag:tag-key - String - Required: No - (Filter condition) Filter by tag key-value pair. Use a specific tag key to replace `tag-key`. For its usage, see example 2. • cdc-id - String - Required: No - (Filter condition) Filter by CDC ID to obtain subnets in the specified CDC. • is-cdc-subnet - String - Required: No - (Filter condition) Whether it is a CDC subnet. Valid values: `0` (no); `1` (yes).
Offset	No	String	Offset. Default value: 0.
Limit	No	String	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
SubnetSet	Array of Subnet	Subnet object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of subnets.

This example shows you how to query the list of subnets.

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Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSubnets
<Common request parameters>

{
"Filters": [
{
"Values": [
"vpc-2at5y1pn"
],
"Name": "vpc-id"
},
{
"Values": [
"Default Guangzhou Zone 2 subnet"
],
"Name": "subnet-name"
},
{
"Values": [
"172.16.16.0"
],
"Name": "cidr-block"
},
{
"Values": [
"subnet-otu92seu"
],
"Name": "subnet-id"
},
{
"Values": [
"true"
],
"Name": "is-default"
}
]
}
```

Output Example

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```
{
"Response": {
"SubnetSet": [
{
"NetworkAclId": "",
"RouteTableId": "rtb-n0yr460a",
"VpcId": "vpc-n0yr460a",
"EnableBroadcast": false,
"Zone": "ap-guangzhou",
"Ipv6CidrBlock": "",
"AvailableIpAddressCount": 1,
"IsRemoteVpcSnat": false,
"SubnetName": "Subnet 1",
"TotalIpAddressCount": 1,
"IsCdcSubnet": 0,
"CdcId": "cluster-1234dert",
"TagSet": [
{
"Value": "ck",
"Key": "kc"
}
],
"CreatedTime": "2020-05-25 20:09:07",
"SubnetId": "subnet-bthucmmy",
"CidrBlock": "10.0.0.0/16",
"IsDefault": true
}
],
"TotalCount": 1,
"RequestId": "cccb2665-5d02-4d87-b9e7-757bb06e5beb"
}
}
```


Example2 Querying the list of subnets bound with the tag

This example shows you how to query subnet by tags.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSubnets
<Common request parameters>

{
```

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```
"Filters": [
{
"Values": [
"shanghai"
],
"Name": "tag:city"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "cccb2665-5d02-4d87-b9e7-757bb06e5beb",
"SubnetSet": [
{
"AvailableIpAddressCount": 1,
"CdcId": "cluster-1234dert",
"CidrBlock": "10.0.0.0/16",
"CreatedTime": "2020-05-25 20:09:07",
"EnableBroadcast": false,
"Ipv6CidrBlock": "2001::85b:3c51:f5ff:ffda",
"IsCdcSubnet": 0,
"IsDefault": true,
"IsRemoteVpcSnat": false,
"NetworkAclId": "",
"RouteTableId": "rtb-n0yr460a",
"SubnetId": "subnet-bthucmmy",
"SubnetName": "Subnet 2",
"TagSet": [
{
"Key": "ku",
"Value": "gt"
}
],
"TotalIpAddressCount": 1,
"VpcId": "vpc-n0yr460a",
"Zone": "ap-guangzhou"
}
],
"TotalCount": 1
}
}
```

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5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.

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ModifySubnetAttribute

Last updated：2024-11-25 20:03:29

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifySubnetAttribute) is used to modify subnet attributes.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifySubnetAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SubnetId	Yes	String	Subnet instance ID, such as `subnet-pxir56ns` .
SubnetName	No	String	The subnet name. The maximum length is 60 bytes.
EnableBroadcast	No	String	Whether the subnet has broadcast enabled.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the attributes of a subnet

This example shows you how to modify the attributes of a subnet.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifySubnetAttribute
&SubnetId=subnet-test1234
&SubnetName=NewSubnetName
&EnableBroadcast=true
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "20569756-56ba-4a13-b545-e1528d5cb239"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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VPN Gateway APIs
RenewVpnGateway

Last updated：2024-11-25 20:02:42

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (RenewVpnGateway) is used to renew prepaid (monthly subscription) VPN gateways. Currently, only IPSEC gateways are supported.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: RenewVpnGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
InstanceChargePrepaid	Yes	InstanceChargePrepaid	Billing Methods

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Renewing a VPN gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=RenewVpnGateway
&Version=2017-03-12
&VpnGatewayId=vpngw-lazly92z
&InstanceChargePrepaid.Period=2
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.

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ModifyVpnGatewayRoutes

Last updated：2024-11-25 20:06:55

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify VPN gateway routes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpnGatewayRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	Instance ID of the VPN gateway
Routes.N	Yes	Array of VpnGatewayRouteModify	Route parameters to modify

3. Output Parameters

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Parameter Name	Type	Description
Routes	Array of VpnGatewayRoute	Route information of the VPN gateway Note: this field may return `null`, indicating that no valid value is obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disabling a route of a VPN gateway

This example shows you how to disable a route of a VPN gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifyVpnGatewayRoutes
&VpnGatewayId=vpn-ngenl4az
&Routes.0.RouteId=vpnr-7t3tknmg
&Routes.0.Status=DISABLE
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Routes": [
{
"DestinationCidrBlock": "192.241.0.0/24",
"Status": "ENABLE",
"InstanceId": "vpnx-ng2asdew",
"InstanceType": "VPNCONN",
"Priority": 100
}
],
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

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5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnknownParameter	Unknown parameter error.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.RecordNotExists	The record does not exist.

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CreateVpnGatewayRoutes

Last updated：2024-11-25 20:07:03

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create destination routes of a route-based VPN gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpnGatewayRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	VPN gateway ID
Routes.N	Yes	Array of VpnGatewayRoute	Destination route list of a VPN gateway

3. Output Parameters

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Parameter Name	Type	Description
Routes	Array of VpnGatewayRoute	Destination routes of a VPN gateway
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating destination routes of a VPN gateway

This example shows you how to create destination routes of a route-based VPN gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateVpnGatewayRoutes
&VpnGatewayId=vpn-ngenl4az
&Routes.0.DestinationCidrBlock=192.241.0.0/24
&Routes.0.Status=ENABLE
&Routes.0.InstanceType=VPNCONN
&Routes.0.InstanceId=vpnx-ng2asdew
&Routes.0.Priority=100
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Routes": [
{
"DestinationCidrBlock": "192.241.0.0/24",
"Status": "ENABLE",
"InstanceId": "vpnx-ng2asdew",
"InstanceType": "VPNCONN",
"Priority": 100
}
],
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

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Example2 Creating destination routes of a route-based VPN gateway

This example shows you how to create destination routes of a route-based VPN gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateVpnGatewayRoutes
<Common request parameters>

{
"Routes": [
{
"Status": "ENABLE",
"Priority": "0",
"InstanceId": "vpnx-f99clft2",
"InstanceType": "VPNCONN",
"DestinationCidrBlock": "172.0.0.0/16"
}
],
"VpnGatewayId": "vpngw-7lhl5331"
}
```

Output Example

```
{
"Response": {
"Routes": [
{
"RouteId": "vpnr-85lq3m31",
"DestinationCidrBlock": "172.0.0.0/16",
"Status": "ENABLE",
"InstanceId": "vpnx-f99clft2",
"InstanceType": "VPNCONN",
"Priority": 0,
"Type": "Static",
"CreateTime": "0000-00-00 00:00:00",
"UpdateTime": "0000-00-00 00:00:00"
}
],
"RequestId": "a713021b-1942-4569-aa08-d8ad1867c2ad"
}
}
```

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5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnknownParameter	Unknown parameter error.

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UnsupportedOperation	Unsupported operation.

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DeleteVpnGatewayRoutes

Last updated：2024-11-25 20:07:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete routes of a VPN gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpnGatewayRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	Instance ID of the VPN gateway
RouteIds.N	Yes	Array of String	List of route IDs

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting routes of a specified VPN gateway

This example shows you how to delete routes of a VPN gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteVpnGatewayRoutes
&VpnGatewayId=vpngw-12345678
&RouteIds.0=vpnr-00wv1z75
&RouteIds.1=vpnr-19oqx1ab
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "5cf1a813-d4f8-4e0c-8f90-c155a84a3ea1"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js

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- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidParameter	A parameter error occurred.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DescribeCustomerGateways

Last updated：2024-11-25 20:02:54

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeCustomerGateways) is used to query the customer gateway list.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCustomerGateways.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CustomerGatewayIds.N	No	Array of String	Customer gateway ID, such as `cgw-2wqq41m9`. Each request can have a maximum of 100 instances. `CustomerGatewayIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	The filter condition. For details, see the Instance Filter Conditions Table. The upper limit for `Filters` in each request is 10 and 5 for `Filter.Values`. `CustomerGatewayIds` and `Filters` cannot be specified at the same time.

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			• customer-gateway-id - String - (Filter condition) The unique ID of the user gateway, such as `cgw-mgp33pll`. • customer-gateway-name - String - (Filter condition) The name of the user gateway, such as `test-cgw`. • ip-address - String - (Filter condition) The public IP address, such as `58.211.1.12`.
Offset	No	Integer	Offset. Default value: 0. For more information on Offset, see the relevant section in the API Introduction.
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
CustomerGatewaySet	Array of CustomerGateway	Customer gateway object list
TotalCount	Integer	Number of eligible instances
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying customer gateways

This example shows you how to query customer gateways.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCustomerGateways
<Common request parameters>
```

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```
{
"CustomerGatewayIds": [
"cgw-mgp33pll"
],
"Filters": [
{
"Name": "customer-gateway-name",
"Values": [
"test-cgw"
]
}
],
"Offset": 1,
"Limit": 1
}
```

Output Example

```
{
"Response": {
"CustomerGatewaySet": [
{
"CustomerGatewayId": "cgw-mgp33pll",
"IpAddress": "58.211.1.12",
"CustomerGatewayName": "test-cgw",
"CreatedTime": "2018-03-25 17:52:39"
}
],
"TotalCount": 1,
"RequestId": "e5500b60-4964-43c7-8a6c-4bff98f59aeb"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DescribeVpnConnections

Last updated：2024-11-25 20:02:53

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to used to query the list of VPN tunnels.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpnConnections.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnConnectionIds.N	No	Array of String	The instance ID of the VPN tunnel, such as `vpnx-f49l6u0z`. Each request can have a maximum of 100 instances. `VpnConnectionIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	Filter condition. In each request, the upper limit for `Filters` is 10 and 5 for `Filter.Values`. `VpnConnectionIds` and `Filters` cannot be specified at the same time.

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			• vpc-id - String - VPC instance ID, such as `vpc-0a36uwkr`. • vpn-gateway-id - String - VPN gateway instance ID, such as `vpngw-p4lmqawn`. • customer-gateway-id - String - Customer gateway instance ID, such as `cgw-l4rblw63`. • vpn-connection-name - String - Connection name, such as `test-vpn`. • vpn-connection-id - String - Connection instance ID, such as `vpnx-5p7vkch8"`.
Offset	No	Integer	The Offset. The default value is 0. For more information about Offset, see the relevant section in the API Introduction.
Limit	No	Integer	Number of values to be returned. The default value is 20. Maximum is 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
VpnConnectionSet	Array of VpnConnection	VPN tunnel instance.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying VPN tunnels

This example shows you how to query VPN tunnels.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
```

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```
X-TC-Action: DescribeVpnConnections
<Common request parameters>

{
"Limit": "5",
"Offset": "0"
}
```

Output Example

```
{
"Response": {
"TotalCount": 2,
"VpnConnectionSet": [
{
"VpcId": "vpc-8ro3x6md",
"VpnConnectionId": "vpnx-df9oztok",
"VpnConnectionName": "testcon-1",
"VpnGatewayId": "vpngw-6x0wxvtp",
"CustomerGatewayId": "cgw-apytvc1n",
"PreShareKey": "123",
"VpnProto": "IPSEC",
"EncryptProto": "IKE",
"RouteType": "StaticRoute",
"IKEOptionsSpecification": {
"PropoAuthenAlgorithm": "MD5",
"PropoEncryAlgorithm": "AES-CBC-128",
"ExchangeMode": "MAIN",
"LocalIdentity": "ADDRESS",
"RemoteIdentity": "ADDRESS",
"LocalAddress": "6.6.6.6",
"RemoteAddress": "1.1.3.2",
"LocalFqdnName": "",
"RemoteFqdnName": "",
"DhGroupName": "GROUP1",
"IKESaLifetimeSeconds": 86400,
"IKEVersion": "IKEV1"
},
"IPSECOptionsSpecification": {
"EncryptAlgorithm": "AES-CBC-128",
"IntegrityAlgorith": "MD5",
"PfsDhGroup": "NULL",
"IPSECSaLifetimeSeconds": 3600,
"IPSECSaLifetimeTraffic": 1843200
},
"CreatedTime": "2022-07-22 14:05:07",
```

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```
"SecurityPolicyDatabaseSet": [
{
"LocalCidrBlock": "0.0.0.0/0",
"RemoteCidrBlock": [
"0.0.0.0/0"
]
}
],
"State": "AVAILABLE",
"NetStatus": "AVAILABLE",
"NegotiationType": "flowTrigger",
"DpdEnable": 1,
"DpdTimeout": "30",
"DpdAction": "clear",
"EnableHealthCheck": false,
"HealthCheckLocalIp": "",
"HealthCheckRemoteIp": "",
"HealthCheckStatus": "",
"TagSet": []
},
{
"VpcId": "vpc-8ro3x6md",
"VpnConnectionId": "vpnx-eal8tpn2",
"VpnConnectionName": "testcon-2",
"VpnGatewayId": "vpngw-6x0wxvtp",
"CustomerGatewayId": "cgw-876ql2tz",
"PreShareKey": "123",
"VpnProto": "IPSEC",
"EncryptProto": "IKE",
"RouteType": "StaticRoute",
"IKEOptionsSpecification": {
"PropoAuthenAlgorithm": "MD5",
"PropoEncryAlgorithm": "AES-CBC-128",
"ExchangeMode": "MAIN",
"LocalIdentity": "ADDRESS",
"RemoteIdentity": "ADDRESS",
"LocalAddress": "6.6.6.6",
"RemoteAddress": "169.168.10.4",
"LocalFqdnName": "",
"RemoteFqdnName": "",
"DhGroupName": "GROUP1",
"IKESaLifetimeSeconds": 86400,
"IKEVersion": "IKEV1"
},
"IPSECOptionsSpecification": {
"EncryptAlgorithm": "AES-CBC-128",
"IntegrityAlgorith": "MD5",
```


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```
"PfsDhGroup": "NULL",
"IPSECSaLifetimeSeconds": 3600,
"IPSECSaLifetimeTraffic": 1843200
},
"CreatedTime": "2022-07-22 14:14:48",
"SecurityPolicyDatabaseSet": [
{
"LocalCidrBlock": "0.0.0.0/0",
"RemoteCidrBlock": [
"0.0.0.0/0"
]
}
],
"State": "AVAILABLE",
"NetStatus": "AVAILABLE",
"NegotiationType": "passive",
"DpdEnable": 1,
"DpdTimeout": "31",
"DpdAction": "clear",
"EnableHealthCheck": false,
"HealthCheckLocalIp": "",
"HealthCheckRemoteIp": "",
"HealthCheckStatus": "",
"TagSet": []
}
],
"RequestId": "1f4fa69d-0a9b-4342-83e1-002533feca94"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeVpnGatewayCcnRoutes

Last updated：2024-11-25 20:07:00

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query VPN gateway-based CCN routes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpnGatewayCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	Instance ID of the VPN gateway
Offset	No	Integer	Offset.
Limit	No	Integer	The returned quantity

3. Output Parameters

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Parameter Name	Type	Description
RouteSet	Array of VpngwCcnRoutes	The CCN route (IDC IP range) list.
TotalCount	Integer	Number of objects that meet the condition.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying VPN gateway-based CCN routes

This example shows you how to query VPN gateway-based CCN routes.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpnGatewayCcnRoutes
<Common request parameters>

{
"VpnGatewayId": "vpngw-qol17bjx",
"Offset": 1,
"Limit": 1
}
```

Output Example

```
{
"Response": {
"RouteSet": [
{
"RouteId": "vpnr-00wv1z75",
"DestinationCidrBlock": "10.33.0.0/24",
"Status": "ENABLE"
},
{
```

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```
"RouteId": "vpnr-11xe2z54",
"DestinationCidrBlock": "192.168.0.0/24",
"Status": "ENABLE"
}
],
"TotalCount": 2,
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.

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ResourceNotFound	The resource does not exist.

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DescribeVpnGatewayRoutes

Last updated：2024-11-25 20:06:59

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query VPN gateway routes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpnGatewayRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	Instance ID of the VPN gateway
Filters.N	No	Array of Filter	Filter condition. Valid values: `DestinationCidr`, `InstanceId`, and `InstanceType`.
Offset	No	Integer	Offset. Default value: 0
Limit	No	Integer	Number of returned results per page. Default value: 20; maximum value: 100

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3. Output Parameters

Parameter Name	Type	Description
Routes	Array of VpnGatewayRoute	Destination routes of the VPN gateway
TotalCount	Integer	Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying destination routes of a VPN gateway

This example shows you how to query destination routes of a VPN gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeVpnGatewayRoutes
<Common request parameters>

{
"VpnGatewayId": "vpngw-7lhl5331",
"Offset": "0"
}
```

Output Example

```
{
"Response": {
"Routes": [
{
"RouteId": "vpnr-h53fo5tv",
```

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```
"DestinationCidrBlock": "10.0.0.0/16",
"Status": "ENABLE",
"InstanceId": "vpnx-f99clft2",
"InstanceType": "VPNCONN",
"Priority": 0,
"Type": "Static",
"CreateTime": "2022-12-05 11:02:44",
"UpdateTime": "2022-12-05 11:02:44"
}
],
"TotalCount": 1,
"RequestId": "cf5ec1b0-ec85-4e28-bc05-763c617b57a0"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description

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InternalError	An internal error occurred.
InvalidParameter	A parameter error occurred.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnknownParameter	Unknown parameter error.
UnsupportedOperation	Unsupported operation.

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DownloadCustomerGatewayConfiguration

Last updated：2024-11-25 20:02:49

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to download VPN tunnel configurations.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DownloadCustomerGatewayConfiguratio
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported b the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
VpnConnectionId	Yes	String	The ID of the VPN tunnel instance, such as `vpnx-f49l6u0z` .
CustomerGatewayVendor	Yes	CustomerGatewayVendor	Customer gateway vendor information object, which can be obtained through DescribeCustomerGatewayVendors.

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InterfaceName	Yes	String	Name of the physical API for tunnel access device.

3. Output Parameters

Parameter Name	Type	Description
CustomerGatewayConfiguration	String	Configuration information in XML format.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Downloading VPN tunnel configuration

This example shows you how to download VPN tunnel configuration.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DownloadCustomerGatewayConfiguration
<Common request parameters>

{
"VpnGatewayId": "vpngw-p3lmbqwn",
"VpnConnectionId": "vpnx-3a4xoch6",
"CustomerGatewayVendor": {
"Platform": "comware",
"SoftwareVersion": "V1.0",
"VendorName": "h3c"
},
"InterfaceName": "eth0"
}
```

Output Example

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```
{
"Response": {
"CustomerGatewayConfiguration": "# VPC utilizes unique identifiers to manipulate
the configuration of
# a VPN Connection. Each VPN Connection is assigned an identifier and is
# associated with Virtual Private Gateway ...",
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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ModifyVpnGatewayCcnRoutes

Last updated：2024-11-25 20:06:56

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify VPN gateway-based CCN routes.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpnGatewayCcnRoutes.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	Instance ID of the VPN gateway
Routes.N	Yes	Array of VpngwCcnRoutes	The CCN route (IDC IP range) list.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying VPN gateway-based CCN routes

This example shows you how to modify VPN gateway-based CCN routes

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyVpnGatewayCcnRoutes
<Common request parameters>

{
"VpnGatewayId": "vpngw-qol17bjo",
"Routes": [
{
"RouteId": "dcr-7t3tknmp",
"Status": "ENABLE",
"DestinationCidrBlock": "172.2.9.3/32"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

5. Developer Resources

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SDK

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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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SetVpnGatewaysRenewFlag

Last updated：2024-11-25 20:06:53

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used set the auto-renewal configuration of a VPN gateway.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: SetVpnGatewaysRenewFlag.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayIds.N	Yes	Array of String	VPN gateway IDs
AutoRenewFlag	Yes	Integer	Status of auto-renewal Values: `0` (Follow original), `1` (Enable auto-renewal), `2` (Disable auto-renewal)
Type	No	String	VPNGW type: `IPSEC` , `SSL`

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Example

This example shows you how to set the auto-renewal configuration of a VPN gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: SetVpnGatewaysRenewFlag
<Common request parameters>

{
"AutoRenewFlag": 0,
"Type": "IPSEC",
"VpnGatewayIds": [
"vpn-xxxxx"
]
}
```

Output Example

```
{
"Response": {
"RequestId": "2f3d2629-a1f0-435e-86d7-fca86a499897"
}
}
```

5. Developer Resources

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SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalServerError	Internal error.
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.
UnsupportedOperation	Unsupported operation.

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CreateCustomerGateway

Last updated：2024-11-25 20:03:02

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (CreateCustomerGateway) is used to create customer gateways.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateCustomerGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CustomerGatewayName	Yes	String	Customer gateway can be named freely, but the maximum length is 60 characters.
IpAddress	Yes	String	Customer gateway public IP.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].

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3. Output Parameters

Parameter Name	Type	Description
CustomerGateway	CustomerGateway	Customer gateway object
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a customer gateway

This example shows you how to create a customer gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateCustomerGateway
<Common request parameters>

{
"IpAddress": "58.211.1.12",
"CustomerGatewayName": "test-cgw",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
]
}
```

Output Example

```
{
"Response": {
"CustomerGateway": {
"CustomerGatewayId": "cgw-mgp33pll",
"IpAddress": "58.211.1.12",
```

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```
"CustomerGatewayName": "test-cgw",
"CreatedTime": "2018-04-18 10:00:00"
},
"RequestId": "5bd98433-263a-47b6-9a1c-84aa613a8ff6"
}
}
```


5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.

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InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
UnsupportedOperation.RecordExists	This record already exists.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.
UnsupportedOperation.VpnUnsupportedBgp	
VpcLimitExceeded	The maximum number of VPC resource requests for the specified region has been reached.

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CreateVpnConnection

Last updated：2024-11-25 20:03:01

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a VPN tunnel.

Note：

This API is async. You can call the `DescribeVpcTaskResult` API to query the task result. When the task is completed, you can continue other tasks.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpnConnection.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.

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CustomerGatewayId	Yes	String	The ID of the customer gateway, such as `cgw-2wqq41m9`. You can query the customer gateway by using the DescribeCustomerGateways API.
VpnConnectionName	Yes	String	Gateway can be named freely, but the maximum length is 60 characters.
PreShareKey	Yes	String	The pre-shared key.
VpcId	No	String	VPC instance ID, which can be obtained from the `VpcId` field in the response of the `DescribeVpcs` API. This parameter is optional for a CCN-based VPN tunnel.
SecurityPolicyDatabases.N	No	Array of SecurityPolicyDatabase	The SPD policy group, for example: {"10.0.0.5/24": ["172.123.10.5/16"]}. 10.0.0.5/24 is the VPC internal IP range, and 172.123.10.5/16 is the IDC IP range. The user specifies the IP range in the VPC that can communicate with the IP range in the IDC.
IKEOptionsSpecification	No	IKEOptionsSpecification	Internet Key Exchange (IKE) configuration. IKE has a self-protection mechanism. The network security protocol is configured by the user.
IPSECOptionsSpecification	No	IPSECOptionsSpecification	IPSec configuration. The IPSec secure session configuration is provided by Tencent Cloud.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].
EnableHealthCheck	No	Boolean	Whether the tunnel health check is supported. The default value is `False`.
HealthCheckLocalIp	No	String	Local IP of health check. It defaults

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			to a random IP within 169.254.128.0/17.
HealthCheckRemoteIp	No	String	Peer IP of health check. It defaults to a random IP within 169.254.128.0/17.
RouteType	No	String	Tunnel type. Valid values: `STATIC`, `StaticRoute`, and `Policy`.
NegotiationType	No	String	Negotiation type. Valid values: `active` (default value), `passive` and `flowTrigger`.
DpdEnable	No	Integer	Specifies whether to enable DPD. Valid values: `0` (disable) and `1` (enable)
DpdTimeout	No	String	DPD timeout period. Default: 30; unit: second. If the request is not responded within this period, the peer end is considered not exists. This parameter is valid when the value of `DpdEnable` is 1.
DpdAction	No	String	The action after DPD timeout. Valid values: `clear` (disconnect) and `restart` (try again). It's valid when `DpdEnable` is `1`.

3. Output Parameters

Parameter Name	Type	Description
VpnConnection	VpnConnection	Tunnel instance object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

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4. Example

Example1 Creating a VPN tunnel

This example shows you how to create a VPN tunnel.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateVpnConnection
<Common request parameters>

{
"VpnConnectionName": "TEST_CONN",
"PreShareKey": "654321",
"VpcId": "vpc-gapcv96p",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
],
"IPSECOptionsSpecification": {
"PfsDhGroup": "NULL",
"EncryptAlgorithm": "3DES-CBC",
"IntegrityAlgorith": "MD5"
},
"SecurityPolicyDatabases": [
{
"LocalCidrBlock": "10.8.4.0/24",
"RemoteCidrBlock": [
"58.211.1.0/24"
]
}
],
"VpnGatewayId": "vpngw-1w9tue3d",
"CustomerGatewayId": "cgw-qa9sxpy7",
"IKEOptionsSpecification": {
"IKEVersion": "IKEV1",
"RemoteIdentity": "ADDRESS",
"PropoAuthenAlgorithm": "MD5",
"RemoteAddress": "1.2.3.4",
"LocalIdentity": "ADDRESS",
"LocalAddress": "58.211.2.5",
```

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```
"ExchangeMode": "MAIN",
"PropoEncryAlgorithm": "3DES-CBC",
"DhGroupName": "GROUP1"
}
}
```

Output Example

```
{
"Response": {
"VpnConnection": {
"VpcId": "vpc-kozprpc9",
"VpnConnectionId": "vpnx-p0j11j28",
"VpnConnectionName": "test-con",
"VpnGatewayId": "vpngw-ecvft20x",
"CustomerGatewayId": "cgw-7lhl5331",
"State": "PENDING",
"PreShareKey": "123456",
"NegotiationType": "",
"DpdEnable": -1,
"DpdTimeout": "",
"DpdAction": "",
"VpnProto": "IPSEC",
"EncryptProto": "IKE",
"RouteType": "STATIC",
"CreatedTime": "0000-00-00 00:00:00",
"NetStatus": "",
"SecurityPolicyDatabaseSet": [],
"IKEOptionsSpecification": {
"PropoEncryAlgorithm": "AES-CBC-256",
"PropoAuthenAlgorithm": "SHA",
"ExchangeMode": "AGGRESSIVE",
"LocalIdentity": "ADDRESS",
"RemoteIdentity": "ADDRESS",
"LocalAddress": "122.152.199.99",
"RemoteAddress": "39.97.38.104",
"LocalFqdnName": "",
"RemoteFqdnName": "",
"DhGroupName": "GROUP2",
"IKESaLifetimeSeconds": 86400,
"IKEVersion": "IKEV1"
},
"IPSECOptionsSpecification": {
"EncryptAlgorithm": "AES-CBC-256",
"IntegrityAlgorith": "SHA1",
"IPSECSaLifetimeSeconds": 3600,
```

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```
"IPSECSaLifetimeTraffic": 1843200,
"PfsDhGroup": "NULL"
},
"EnableHealthCheck": false,
"HealthCheckLocalIp": "",
"HealthCheckRemoteIp": "",
"HealthCheckStatus": "",
"TagSet": []
},
"RequestId": "4b71dd4d-a3ee-4ac1-b99a-99d65f6443fd"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.

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InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.
InvalidParameterValue.VpnConnBgpTunnelCidrConflict	
InvalidParameterValue.VpnConnBgpTunnelCidrMask	
InvalidParameterValue.VpnConnBgpTunnelCidrNotSupported	
InvalidParameterValue.VpnConnCidrConflict	Destination IP address range conflicts with CIDR block of the current VPC tunnel.
InvalidParameterValue.VpnConnHealthCheckIpConflict	The destination IP of the probe cannot be within the IP range of the VPC.
LimitExceeded	Quota limit is reached.

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LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.
UnsupportedOperation.VpnUnsupportedBgp	
UnsupportedOperation.VpnUnsupportedBgpAsnEqual	
UnsupportedOperation.VpnUnsupportedNotExistBgpAsn	

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CreateVpnGateway

Last updated：2024-11-25 20:03:00

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (CreateVpnGateway) is used to create a VPN gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateVpnGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpcId	Yes	String	VPC instance ID, which can be obtained from the `VpcId` field in the response of the `DescribeVpcs` API.
VpnGatewayName	Yes	String	The VPN gateway name. The maximum length is 60 bytes.
InternetMaxBandwidthOut	Yes	Integer	The public network bandwidth

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			configuration. Available bandwidth specifications: 5, 10, 20, 50, and 100. Unit: Mbps
InstanceChargeType	No	String	The VPN gateway billing mode. PREPAID: prepaid means monthly subscription. POSTPAID_BY_HOUR: postpaid means pay-as-you-go. Default: POSTPAID_BY_HOUR. If prepaid mode is specified, the `InstanceChargePrepaid` parameter must be entered.
InstanceChargePrepaid	No	InstanceChargePrepaid	Parameter settings for prepaid billing mode, also known as monthly subscription. This parameter can specify the purchase period and other attributes such as auto-renewal. This parameter is mandatory for prepaid instances.
Zone	No	String	The availability zone, such as `ap-guangzhou-2` .
Type	No	String	VPN gateway type. Values: `CCN` (CCN VPN gateway), `SSL` (SSL VPN gateway)
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].
CdcId	No	String	CDC instance ID
MaxConnection	No	Integer	Maximum number of connected clients allowed for the SSL VPN gateway. Valid values: [5, 10, 20, 50, 100]. This parameter is only required for SSL VPN gateways.

3. Output Parameters

Parameter Name	Type	Description

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VpnGateway	VpnGateway	VPN gateway object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a VPN gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateVpnGateway
&VpcId="vpc-xxxx"
&VpnGatewayName="test"
&InstanceChargeType="POSTPAID_BY_HOUR"
&InternetMaxBandwidthOut=5
&<Common request parameters>
```

Output Example

```
{
"Response": {
"VpnGateway": {
"VpnGatewayQuotaSet": [
{
"Bandwidth": 1,
"Cname": "xx",
"Name": "xx"
}
],
"MaxConnection": 1,
"VpcId": "xx",
"RenewFlag": "xx",
"Zone": "xx",
"VpnGatewayName": "xx",
"InstanceChargeType": "xx",
"CdcId": "xx",
"IsAddressBlocked": true,
"InternetMaxBandwidthOut": 1,
"State": "xx",
"Version": "xx",
"VpnGatewayId": "xx",
"PublicIpAddress": "xx",
```

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```
"CreatedTime": "2020-09-22 00:00:00",
"NewPurchasePlan": "xx",
"ExpiredTime": "2020-09-22 00:00:00",
"Type": "xx",
"NetworkInstanceId": "xx",
"RestrictState": "xx"
},
"RequestId": "xx"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.

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InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidParameterValue.VpnConnCidrConflict	Destination IP address range conflicts with CIDR block of the current VPC tunnel.
InvalidVpcId.Malformed	Invalid VPC. The VPC instance ID is invalid.
InvalidVpcId.NotFound	Invalid VPC. The VPC resource does not exist.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.

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ResourceNotFound	The resource does not exist.
UnauthorizedOperation.NoRealNameAuthentication	Identity verification has not been completed for the account.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.
UnsupportedOperation.VpnGwVpcIdMustHave	
UnsupportedOperation.VpnUnsupportedBgp	

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DeleteCustomerGateway

Last updated：2024-11-25 20:02:58

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteCustomerGateway) is used to delete customer gateways.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteCustomerGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CustomerGatewayId	Yes	String	The ID of the customer gateway, such as `cgw-2wqq41m9`. You can query the customer gateway by using the DescribeCustomerGateways API.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a customer gateway

This example shows you how to delete a customer gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteCustomerGateway
<Common request parameters>

{
"CustomerGatewayId": "cgw-mgp33pll"
}
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.RecordNotExists	The record does not exist.

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DeleteVpnConnection

Last updated：2024-11-25 20:02:57

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete a VPN tunnel.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpnConnection.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
VpnConnectionId	Yes	String	The ID of the VPN tunnel instance, such as `vpnx-f49l6u0z`.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a VPN tunnel

This example shows you how to delete a VPN tunnel.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteVpnConnection
<Common request parameters>

{
"VpnGatewayId": "vpngw-7lcl5331",
"VpnConnectionId": "vpnx-p0j11j28"
}
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.DeleteVpnConnInvalidState	
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.RecordNotExists	The record does not exist.

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DeleteVpnGateway

Last updated：2024-11-25 20:02:56

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteVpnGateway) is used to delete a VPN gateway. Currently, only deletion of pay-as-you-go IPSEC gateway instances in running status is supported.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteVpnGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a VPN gateway

This example shows you how to delete a VPN gateway.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteVpnGateway
&Version=2017-03-12
&VpnGatewayId=vpngw-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidVpnGatewayId.Malformed	Invalid VPN gateway. The VPN instance ID is invalid.
InvalidVpnGatewayId.NotFound	Invalid VPN gateway. The VPN instance does not exist. Verify if you have entered the correct resource information.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeCustomerGatewayVendors

Last updated：2024-11-25 20:02:55

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeCustomerGatewayVendors) is used to query the information of supported customer gateway vendors.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeCustomerGatewayVendors.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.

3. Output Parameters

Parameter Name	Type	Description
CustomerGatewayVendorSet	Array of CustomerGatewayVendor	Customer gateway vendor information object.

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the information of supported customer gateway vendors

This example shows you how to query the information of supported customer gateway vendors.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeCustomerGatewayVendors
<Common request parameters>

{}
```

Output Example

```
{
"Response": {
"CustomerGatewayVendorSet": [
{
"Platform": "ios",
"SoftwareVersion": "V15.4",
"VendorName": "cisco"
},
{
"Platform": "comware",
"SoftwareVersion": "V1.0",
"VendorName": "h3c"
}
],
"RequestId": "ccda8bff-d7aa-4a16-8a72-13e72a116205"
}
}
```

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5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

There is no error code related to the API business logic. For other error codes, please see Common Error Codes.

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DescribeVpnGateways

Last updated：2024-11-25 20:02:50

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeVpnGateways) is used to query the VPN gateway list.

A maximum of 300 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeVpnGateways.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayIds.N	No	Array of String	The VPN gateway instance ID, such as `vpngw-f49l6u0z`. Each request can have a maximum of 100 instances. `VpnGatewayIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of FilterObject	Filter condition. `VpnGatewayIds` and `Filters` cannot be specified at the same time. • vpc-id - String - (Filter condition) VPC instance ID, such as `vpc-f49l6u0z`.

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			• vpn-gateway-id - String - (Filter condition) VPN instance ID, such as `vpngw-5aluhh9t` . • vpn-gateway-name - String - (Filter condition) VPN instance name. • type - String - (Filter condition) VPN gateway type: 'IPSEC', 'SSL'. • public-ip-address- String - (Filter condition) Public IP. • renew-flag - String - (Filter condition) Gateway renewal type. Manual renewal: `NOTIFY_AND_MANUAL_RENEW` , Automatic renewal: `NOTIFY_AND_AUTO_RENEW` . • zone - String - (Filter condition) The availability zone where the VPN is located, such as `ap-guangzhou-2` .
Offset	No	Integer	Offset
Limit	No	Integer	The number of request objects.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	The number of instances meeting the filter condition.
VpnGatewaySet	Array of VpnGateway	The list of details of VPN gateway instances.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying VPN gateways

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeVpnGateways
&Version=2017-03-12
&Offset=0
&Limit=2
```

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```
&Filters.0.Name=zone
&Filters.0.Values.0=ap-guangzhou-2
&Filters.0.Values.0=ap-guangzhou-3
&<Common request parameters>
```

Output Example


```
{
"Response": {
"TotalCount": 2,
"VpnGatewaySet": [
{
"VpcId": "vpc-ah9e9qu9",
"VpnGatewayId": "vpngw-5aluhh9t",
"VpnGatewayName": "joantest",
"Type": "IPSEC",
"State": "DELETING",
"PublicIpAddress": "",
"RenewFlag": "NOTIFY_AND_MANUAL_RENEW",
"InstanceChargeType": "PREPAID",
"InternetMaxBandwidthOut": 0,
"CreatedTime": "2015-08-20 19:39:01",
"ExpiredTime": "0000-00-00 00:00:00",
"IsAddressBlocked": false,
"NewPurchasePlan": "",
"RestrictState": "NORMAL",
"Zone": "ap-guangzhou-2",
"VpnGatewayQuotaSet": [
{
"Bandwidth": 5,
"Cname": "Mini type",
"Name": "mini"
},
{
"Bandwidth": 20,
"Cname": "Middle type",
"Name": "middle"
},
{
"Bandwidth": 100,
"Cname": "Superlarge type",
"Name": "superLarge"
},
{
"Bandwidth": 10,
"Cname": "Small type",
```


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```
"Name": "small"
},
{
"Bandwidth": 50,
"Cname": "Large type",
"Name": "large"
}
]
},
{
"VpcId": "vpc-5rkcp0wb",
"VpnGatewayId": "vpngw-97yhzme3",
"VpnGatewayName": "leohli-simulate3",
"Type": "IPSEC",
"State": "AVAILABLE",
"PublicIpAddress": "",
"RenewFlag": "NOTIFY_AND_MANUAL_RENEW",
"InstanceChargeType": "PREPAID",
"InternetMaxBandwidthOut": 10,
"CreatedTime": "2017-07-03 14:39:16",
"ExpiredTime": "2018-05-31 13:03:47",
"IsAddressBlocked": false,
"NewPurchasePlan": "PREPAID_TO_POSTPAID",
"RestrictState": "PROTECTIVELY_ISOLATED",
"Zone": "ap-guangzhou-3",
"VpnGatewayQuotaSet": [
{
"Bandwidth": 5,
"Cname": "Mini type",
"Name": "mini"
},
{
"Bandwidth": 20,
"Cname": "Middle type",
"Name": "middle"
},
{
"Bandwidth": 100,
"Cname": "Superlarge type",
"Name": "superLarge"
},
{
"Bandwidth": 10,
"Cname": "Small type",
"Name": "small"
},
{
```


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```
"Bandwidth": 50,
"Cname": "Large type",
"Name": "large"
}
]
}
],
"RequestId": "feb949ef-8eb8-4eda-ba73-4fc5705bf8f5"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.

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InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidVpnGatewayId.Malformed	Invalid VPN gateway. The VPN instance ID is invalid.
InvalidVpnGatewayId.NotFound	Invalid VPN gateway. The VPN instance does not exist. Verify if you have entered the correct resource information.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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GenerateVpnConnectionDefaultHealthCheckIp

Last updated：2024-11-25 20:06:58

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to get a pair of VPN tunnel health check addresses.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: GenerateVpnConnectionDefaultHealthCheckIp.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	VPN gateway ID, such as `vpngw-1w9tue3d`

3. Output Parameters

Parameter Name	Type	Description

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HealthCheckLocalIp	String	Local IP used for VPN tunnel health check
HealthCheckRemoteIp	String	Remote IP used for VPN tunnel health check
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtaining a pair of VPN tunnel health check addresses

This example shows you how to get a pair of VPN tunnel health check addresses.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=GenerateVpnConnectionDefaultHealthCheckIp
&VpnGatewayId=vpn-ngenl4az
&<Common request parameters>
```

Output Example

```
{
"Response": {
"HealthCheckLocalIp": "169.254.128.2",
"HealthCheckRemoteIp": "169.254.128.5",
"RequestId": "6e446c86-d8c9-4981-9b33-d10956585058"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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InquiryPriceRenewVpnGateway

Last updated：2024-11-25 20:02:48

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (InquiryPriceRenewVpnGateway) is used to query the price for VPN gateway renewal. Currently, only querying prices for IPSEC-type gateways is supported.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InquiryPriceRenewVpnGateway.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
InstanceChargePrepaid	Yes	InstanceChargePrepaid	Specifies the purchased validity period, whether to enable auto-renewal. This parameter is required for monthly-subscription instances.

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3. Output Parameters

Parameter Name	Type	Description
Price	Price	Product price.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the price for renewing a monthly-subscribed gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=InquiryPriceRenewVpnGateway
&Version=2017-03-12
&VpnGatewayId=vpngw-lazly92z
&InstanceChargePrepaid.Period=2
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Price": {
"InstancePrice": {
"OriginalPrice": 760.0,
"DiscountPrice": 760.0
}
},
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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InquiryPriceResetVpnGatewayInternetMaxBandwidth

Last updated：2024-11-25 20:02:47

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (InquiryPriceResetVpnGatewayInternetMaxBandwidth) is used to query the price for adjusting the bandwidth cap of a VPN gateway.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: InquiryPriceResetVpnGatewayInternetMaxBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
InternetMaxBandwidthOut	Yes	Integer	The public network bandwidth configuration. Available bandwidth specifications: 5, 10, 20, 50, and 100. Unit: Mbps.

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3. Output Parameters

Parameter Name	Type	Description
Price	Price	Product price.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the price for adjusting the bandwidth cap of a VPN gateway

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=InquiryPriceResetVpnGatewayInternetMaxBandwidth
&Version=2017-03-12
&VpnGatewayId=vpngw-lazly92z
&InternetMaxBandwidthOut=10
&<Common request parameters>
```

Output Example

```
{
"Response": {
"Price": {
"InstancePrice": {
"OriginalPrice": 460.27,
"DiscountPrice": 460.27
}
},
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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ModifyCustomerGatewayAttribute

Last updated：2024-11-25 20:02:46

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyCustomerGatewayAttribute) is used to modify the customer gateway information.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyCustomerGatewayAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
CustomerGatewayId	Yes	String	The ID of the customer gateway, such as `cgw-2wqq41m9` . You can query the customer gateway by using the DescribeCustomerGateways API.
CustomerGatewayName	Yes	String	Customer gateway can be named freely, but the maximum length is 60 characters.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a customer gateway

This example shows you how to modify a customer gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyCustomerGatewayAttribute
<Common request parameters>

{
"CustomerGatewayId": "cgw-mgp33pll",
"CustomerGatewayName": "NewName"
}
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.VpnUnsupportedModifyBgpAsn	

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ModifyVpnConnectionAttribute

Last updated：2024-11-25 20:02:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyVpnConnectionAttribute) is used to modify VPN tunnels.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpnConnectionAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnConnectionId	Yes	String	The ID of the VPN tunnel instance, such as `vpnx-f49l6u0z`.
VpnConnectionName	No	String	VPN tunnel can be named freely, but the maximum length is 60 characters.
PreShareKey	No	String	The pre-shared key.

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SecurityPolicyDatabases.N	No	Array of SecurityPolicyDatabase	SPD policy group. Taking {"10.0.0.5/24":["172.123.10.5/16"]} as an example, 10.0.0.5/24 is the VPC private IP range, and 172.123.10.5/16 is the IDC IP range. The user specifies the IP range in the VPC that can communicate with the IP range in the IDC.
IKEOptionsSpecification	No	IKEOptionsSpecification	IKE (Internet Key Exchange) configuration. IKE comes with a self-protection mechanism. The network security protocol is configured by the user.
IPSECOptionsSpecification	No	IPSECOptionsSpecification	IPSec configuration. The IPSec secure session configuration is provided by Tencent Cloud.
EnableHealthCheck	No	Boolean	Whether to enable the tunnel health check. The default value is `False`.
HealthCheckLocalIp	No	String	Local IP address for the tunnel health check
HealthCheckRemoteIp	No	String	Peer IP address for the tunnel health check
NegotiationType	No	String	Negotiation type. Valid values: `active` (default value), `passive` and `flowTrigger`.
DpdEnable	No	Integer	Specifies whether to enable DPD. Valid values: `0` (disable) and `1` (enable)
DpdTimeout	No	String	DPD timeout period. Default: 30; unit: second. If the request is not responded within this period, the peer end is considered not exists. This parameter is valid when the value of `DpdEnable` is 1.

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DpdAction	No	String	The action after DPD timeout. Valid values: `clear` (disconnect) and `restart` (try again). It's valid when `DpdEnable` is `1`.
CustomerGatewayId	No	String	Peer gateway ID. You can update tunnels of V4.0 and later gateways.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying a VPN tunnel

This example shows you how to modify a VPN tunnel.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyVpnConnectionAttribute
<Common request parameters>

{
"VpnConnectionName": "test-abc",
"VpnConnectionId": "vpnx-abc123x",
"PreShareKey": "123",
"EnableHealthCheck": "false"
}
```

Output Example

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```
{
"Response": {
"RequestId": "b6c8a8c4-ba39-49ca-9b21-66247b7e3ad3"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.VpnConnCidrConflict	Destination IP address range conflicts with CIDR block of the current VPC tunnel.
InvalidParameterValue.VpnConnHealthCheckIpConflict	The destination IP of the probe cannot be within the IP range of the VPC.

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ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.VpnConnInvalidState	Operation failed: The tunnel is not available now.
UnsupportedOperation.VpnConnSPDOverlap	

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ModifyVpnGatewayAttribute

Last updated：2024-11-25 20:02:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifyVpnGatewayAttribute) is used to modify the attributes of VPN gateways.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifyVpnGatewayAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
VpnGatewayName	No	String	The VPN gateway name. The maximum length is 60 bytes.
InstanceChargeType	No	String	VPN gateway billing mode. Currently, only the conversion of prepaid (monthly subscription) to postpaid (that is, pay-as-you-go) is supported. That is, the parameters only supports POSTPAID_BY_HOUR.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the attributes of a VPN gateway

This example shows you how to modify the attributes of a VPN gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyVpnGatewayAttribute
<Common request parameters>

{
"VpnGatewayId": "vpngw-edvft32x",
"VpnGatewayName": "test-vpn",
"InstanceChargeType": "POSTPAID_BY_HOUR"
}
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.VpnUnsupportedModifyBgpAsn	

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ResetVpnConnection

Last updated：2024-11-25 20:02:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

The API is used to reset a VPN tunnel.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetVpnConnection.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
VpnConnectionId	Yes	String	The ID of the VPN tunnel instance, such as `vpnx-f49l6u0z`.

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Resetting a VPN tunnel

This example shows you how to reset a VPN tunnel.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ResetVpnConnection
<Common request parameters>

{
"VpnGatewayId": "vpngw-kjllnkew",
"VpnConnectionId": "vpnx-f29e6u0z"
}
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.VpnConnInvalidState	Operation failed: The tunnel is not available now.

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ResetVpnGatewayInternetMaxBandwidth

Last updated：2024-11-25 20:02:40

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to adjust the bandwidth cap of a VPN gateway. The adjustment of the VPN gateway bandwidth is limited to [5,100] Mbps and [200,1000] Mbps.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResetVpnGatewayInternetMaxBandwidth.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
VpnGatewayId	Yes	String	The ID of the VPN gateway instance.
InternetMaxBandwidthOut	Yes	Integer	The new bandwidth cap in Mbps. Values: `5`, `10`, `20`, `50`, `100`, `200`, `500` and `1000`. The adjustment of the VPN gateway bandwidth is limited to [5,100] Mbps and [200,1000] Mbps.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adjusting the bandwidth cap of a VPN gateway

This example shows you how to adjust the bandwidth cap of a VPN gateway.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ResetVpnGatewayInternetMaxBandwidth
<Common request parameters>

{
"VpnGatewayId": "vpngw-xxx",
"InternetMaxBandwidthOut": 5
}
```

Output Example

```
{
"Response": {
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.VpnUnsupportedModifyBandwidth	

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InquiryPriceCreateVpnGateway

Last updated：2022-01-18 17:04:51

1. API Description

Domain name for API request: vpc.tencentcloudapi.com.

This API (InquiryPriceCreateVpnGateway) is used to query the price for VPN gateway creation.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.
This document describes the parameters for Signature V1. It's recommended to use the V3 signature, which provides higher security. Note that for Signature V3, the common parameters need to be placed in the HTTP Header. See details.

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: InquiryPriceCreateVpnGateway.
Version	Yes	String	Common parameter. The value used for this API: 2017-03-12.
Region	Yes	String	Common parameter. For more information, please see the list of regions supported by the product.
InternetMaxBandwidthOut	Yes	Integer	The public network bandwidth configuration. Available bandwidth specifications: 5, 10, 20, 50, and 100. Unit: Mbps.

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InstanceChargeType	No	String	The VPN gateway billing mode. PREPAID: prepaid means monthly subscription. POSTPAID_BY_HOUR: postpaid means pay-as-you-go. Default: POSTPAID_BY_HOUR. If prepaid mode is specified, the `InstanceChargePrepaid` parameter must be entered.
InstanceChargePrepaid	No	InstanceChargePrepaid	Parameter settings for prepaid billing mode, also known as monthly subscription. This parameter can specify the purchase period and other attributes such as auto-renewal. This parameter is mandatory for prepaid instances.

3. Output Parameters

Parameter Name	Type	Description
Price	Price	Product price.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying monthly subscription prices

Input Example

```
https://vpc.tencentcloudapi.com/?Action=InquiryPriceCreateVpnGateway
&Version=2017-03-12
&InstanceChargeType=PREPAID
&InstanceChargePrepaid.Period=1
&InternetMaxBandwidthOut=5
&<Common request parameters>
```

Output Example

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```
{
"Response": {
"Price": {
"InstancePrice": {
"OriginalPrice": 380,
"DiscountPrice": 380
}
},
"RequestId": "1b2534de-3f38-4913-921a-af5ff1a9cb73"
}
}
```


Example2 Querying pay-as-you-go prices

Input Example

```
https://vpc.tencentcloudapi.com/?Action=InquiryPriceCreateVpnGateway
&Version=2017-03-12
&InstanceChargeType=POSTPAID_BY_HOUR
&InternetMaxBandwidthOut=5
&<Common request parameters>
```

Output Example


```
{
"Response": {
"Price": {
"InstancePrice": {
"UnitPrice": 0.48,
"ChargeUnit": "HOUR"
},
"BandwidthPrice": {
"UnitPrice": 0.8,
"ChargeUnit": "GB"
}
},
"RequestId": "e87327cd-f8fa-4340-9959-58ebe8f11f6b"
}
}
```


5. Developer Resources

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	Incorrect parameter value.

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Security Group APIs DescribeSecurityGroupReferences

Last updated：2024-11-25 20:07:51

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeSecurityGroupReferences) is used to query referred security groups.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSecurityGroupReferences.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupIds.N	Yes	Array of String	A set of security group instance IDs, e.g. ['sg-12345678']

3. Output Parameters

Parameter Name	Type	Description

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ReferredSecurityGroupSet	Array of ReferredSecurityGroup	Referred security groups.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the referenced security group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSecurityGroupReferences
&SecurityGroupIds.0=sg-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"ReferredSecurityGroupSet": [
{
"SecurityGroupId": "sg-12345678",
"ReferredSecurityGroupIds": [
"sg-23456789",
"sg-13572468"
]
}
],
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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CloneSecurityGroup

Last updated：2024-11-25 20:07:54

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a security group with the same rule configurations as an existing security group. The cloning only copies the security group and its rules, but not the security group tags.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CloneSecurityGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	Security group instance ID, such as `esg-33ocnj9n` , which can be obtained through the DescribeSecurityGroups API.
GroupName	No	String	The name of security group clone. You can enter any name within 60 characters. If this parameter is left empty, the security group clone will use the name of the source security group.
GroupDescription	No	String	Description of the security group clone. You can enter up to 100 characters. If this parameter is left empty, the security group clone will use the description of the source security group.

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ProjectId	No	String	Project ID. Default value: 0. You can query it on the project management page of the Tencent Cloud console.
RemoteRegion	No	String	The region of the source security group for a cross-region clone. For example, to clone the security group in Guangzhou to Shanghai, set it to `ap-guangzhou` .

3. Output Parameters

Parameter Name	Type	Description
SecurityGroup	SecurityGroup	Security group object Note: this field may return `null` , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Cloning a security group

This example shows you how to clone a security group.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CloneSecurityGroup
&SecurityGroupId=sg-12345678
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"SecurityGroup": {
"SecurityGroupId": "sg-12341234",
"SecurityGroupName": "TestGroup",
```

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```
"SecurityGroupDesc": "test-group-desc",
"ProjectId": "0",
"CreatedTime": "2018-01-13 19:26:33"
}
}
}
```

Example2 Cloning a security group and specify the project ID

This example shows you how to clone a security group and specify the project ID.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CloneSecurityGroup
&SecurityGroupId=sg-12345678
&ProjectId=1001
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"SecurityGroup": {
"SecurityGroupId": "sg-12341278",
"SecurityGroupName": "TestGroup",
"SecurityGroupDesc": "test-group-desc",
"ProjectId": "1001",
"CreatedTime": "2018-01-13 19:26:33"
}
}
}
```

Example3 This example shows you how to clone a security group and specify the name and description of the newly created one.

This example shows you how to clone a security group and specify the name and description of the newly created one.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CloneSecurityGroup
&SecurityGroupId=sg-12345678
&GroupName=test
```

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```
&GroupDescription=test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"SecurityGroup": {
"SecurityGroupId": "sg-12341256",
"SecurityGroupName": "test",
"SecurityGroupDesc": "test",
"ProjectId": "0",
"CreatedTime": "2018-01-13 19:26:33"
}
}
}
```

5. Developer Resources

SDK

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.RemoteRegionSgHasReferencedSg	

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DeleteSecurityGroup

Last updated：2024-11-25 20:03:53

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteSecurityGroup) is used to delete security groups (SecurityGroup).

- Only security groups under the current account can be deleted.
- A security group cannot be deleted directly if its instance ID is used in the policy of another security group. You need to modify the policy first and then delete the security group.
- A security group cannot be recovered after deletion, please proceed with caution.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteSecurityGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. This can be obtained through DescribeSecurityGroups.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a security group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSecurityGroup
&Version=2017-03-12
&SecurityGroupId=sg-kxxx1gb1
&<Common request parameters>
```

Output Example

```
{
"Response": {}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
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- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidSecurityGroupID.Malformed	Invalid security group. The security group instance ID is invalid.
InvalidSecurityGroupID.NotFound	Invalid security group. The security group instance ID does not exist.
ResourceInUse	The resource is occupied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.
UnsupportedOperation.LockedResources	

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DeleteSecurityGroupPolicies

Last updated：2024-11-25 20:03:52

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DeleteSecurityGroupPolicies) is used to delete security group policies (SecurityGroupPolicy).

- SecurityGroupPolicySet.Version is used to specify the version of the security group you are operating. If the specified Version number differs from the latest version of the current security group, a failure will be returned. If Version is not specified, the policy of the specified PolicyIndex will be deleted directly.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteSecurityGroupPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. This can be obtained through DescribeSecurityGroups.

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SecurityGroupPolicySet	Yes	SecurityGroupPolicySet	The policy set of the security group. One request can only delete one or more policies in one direction. Both PolicyIndex-matching deletion and security group policy-matching deletion methods are supported. Each request can use only one matching method.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting inbound policies of security groups based on the index

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSecurityGroupPolicies
&Version=2017-03-12
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Version=39
&SecurityGroupPolicySet.Ingress.0.PolicyIndex=0
&SecurityGroupPolicySet.Ingress.1.PolicyIndex=1
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

Example2 Deleting outbound policies of security groups based on the index

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Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSecurityGroupPolicies
&Version=2017-03-12
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Version=40
&SecurityGroupPolicySet.Egress.0.PolicyIndex=0
&SecurityGroupPolicySet.Egress.1.PolicyIndex=1
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

Example3 Deleting inbound policies of security groups based on the rule

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSecurityGroupPolicies
&Version=2017-03-12
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Version=37
&SecurityGroupPolicySet.Ingress.0.ServiceTemplate.ServiceGroupId=ppmg-ei8hfd9a
&SecurityGroupPolicySet.Ingress.0.CidrBlock=10.9.89.9/25
&SecurityGroupPolicySet.Ingress.0.Action=accept
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

Example4 Deleting outbound policies of security groups based on the rule

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSecurityGroupPolicies
&Version=2017-03-12
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Version=38
&SecurityGroupPolicySet.Egress.0.ServiceTemplate.ServiceGroupId=ppmg-ei8hfd9a
&SecurityGroupPolicySet.Egress.0.CidrBlock=10.9.89.9/25
&SecurityGroupPolicySet.Egress.0.Action=accept
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.LockedResources	
UnsupportedOperation.VersionMismatch	The specified version number of the security group policy is inconsistent with the latest version.

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DescribeSecurityGroupAssociationStatistics

Last updated：2024-11-25 20:03:51

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeSecurityGroupAssociationStatistics) is used to query statistics on the instances associated with a security group.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSecurityGroupAssociationStatistics.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupIds.N	Yes	Array of String	The Security instance ID, such as `sg-33ocnj9n` . It can be obtained through DescribeSecurityGroups.

3. Output Parameters

Parameter Name	Type	Description

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SecurityGroupAssociationStatisticsSet	Array of SecurityGroupAssociationStatistics	Statistics on the instances associated with a security group.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying statistics on the instances associated with a security group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSecurityGroupAssociationStatistics
&Version=2017-03-12
&SecurityGroupIds.0=sg-ohuuioma
&SecurityGroupIds.1=sg-2quou3gv
&<Common request parameters>
```

Output Example

```
{
"Response": {
"SecurityGroupAssociationStatisticsSet": [
{
"SecurityGroupId": "sg-2quou3gv",
"CDB": 0,
"CVM": 0,
"ENI": 0,
"SG": 0,
"CLB": 0,
"TotalCount": 0
},
{
"SecurityGroupId": "sg-05bb4upy",
```

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```
"CDB": 0,
"CVM": 1,
"ENI": 1,
"SG": 2,
"CLB": 1,
"TotalCount": 3
}
]
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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UnsupportedOperation	Unsupported operation.

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DescribeSecurityGroupPolicies

Last updated：2024-11-25 20:03:50

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeSecurityGroupPolicies) is used to query security group policies.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSecurityGroupPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. It can be obtained through DescribeSecurityGroups.
Filters.N	No	Array of Filter	Filters • `security-group-id` - String - Security group ID in the rule. • `ip` - String - IP. IPV4 and IPV6 fuzzy matching is supported. • `address-module` - String - IP address or address group template ID.

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			• `service-module` - String - Protocol port or port group template ID. • `protocol-type` - String - Protocol supported by the security group policy. Valid values: `TCP` , `UDP` , `ICMP` , `ICMPV6` , `GRE` , `ALL` . • `port` - String - Optional - Port. Fuzzy matching is supported. Query all ports when the protocol value is `ALL` . • `poly` - String - Policy type. Valid values: `ALL` , `ACCEPT` and `DROP` . • `direction` - String - Direction of the rule. Valid values: `ALL` , `INBOUND` and `OUTBOUND` . • `description` - String - Policy description. Fuzzy matching is supported.

3. Output Parameters

Parameter Name	Type	Description
SecurityGroupPolicySet	SecurityGroupPolicySet	Security group policy set.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying security group rules

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSecurityGroupPolicies
<Common request parameters>

{
"SecurityGroupId": "sg-ohuuioma"
}
```

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Output Example


```
{
"Response": {
"SecurityGroupPolicySet": {
"Ingress": [
{
"PolicyIndex": 0,
"ServiceTemplate": {
"ServiceId": "ppm-f5n1f8da",
"ServiceGroupId": ""
},
"AddressTemplate": {
"AddressGroupId": "ipmg-2uw6ujo6",
"AddressId": ""
},
"Action": "ACCEPT",
"ModifyTime": "2017-03-12 10:00:00",
"PolicyDescription": "ModifyPolicies"
},
{
"PolicyIndex": 1,
"ServiceTemplate": {
"ServiceId": "ppm-f5n1f8da",
"ServiceGroupId": ""
},
"AddressTemplate": {
"AddressGroupId": "ipmg-2uw6ujo6",
"AddressId": ""
},
"Action": "ACCEPT",
"ModifyTime": "2017-03-12 10:00:00",
"PolicyDescription": "2"
}
],
"Egress": [
{
"PolicyIndex": 0,
"ServiceTemplate": {
"ServiceId": "ppm-f5n1f8da",
"ServiceGroupId": ""
},
"AddressTemplate": {
"AddressGroupId": "ipmg-2uw6ujo6",
"AddressId": ""
},
```


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```
"Action": "ACCEPT",
"ModifyTime": "2017-03-12 10:00:00",
"PolicyDescription": "E1"
}
],
"Version": 60
},
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DescribeSecurityGroups

Last updated：2024-11-25 20:03:49

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (DescribeSecurityGroups) is used to query security groups.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSecurityGroups.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupIds.N	No	Array of String	Security group ID, such as `sg-33ocnj9n` . Each request can contain up to 100 instances at a time. `SecurityGroupIds` and `Filters` cannot be specified at the same time.
Filters.N	No	Array of Filter	Filter conditions. `SecurityGroupIds` and `Filters` cannot be specified at the same time. • security-group-id - String - (Filter condition) The security group ID. • project-id - Integer - (Filter condition) The project ID.

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			• security-group-name - String - (Filter condition) The security group name. • tag-key - String - Required: no - (Filter condition) Filters by tag key. For more information, see Example 2. • `tag:tag-key` - String - Required: no - (Filter condition) Filters by tag key pair. For this parameter, `tag-key` will be replaced with a specific tag key. For more information, see Example 3.
Offset	No	String	Offset. Default value: 0.
Limit	No	String	Number of returned results. Default value: 20. Maximum value: 100.
OrderField	No	String	Sorting field. Values: `CreatedTime` , `UpdateTime` Note: This field does not have default value.
OrderDirection	No	String	Sorting method Order methods. Ascending: `ASC` , Descending: `DESC` . Default: `ASC`

3. Output Parameters

Parameter Name	Type	Description
SecurityGroupSet	Array of SecurityGroup	Security group object. Note: this field may return `null` , indicating that no valid values can be obtained.
TotalCount	Integer	The number of instances meeting the filter condition.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying security groups

This example shows you how to query security groups.

Input Example

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```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSecurityGroups
<Common request parameters>

{
"Limit": "1",
"Filters": [
{
"Values": [
"TestGroup"
],
"Name": "security-group-name"
},
{
"Values": [
"0"
],
"Name": "project-id"
}
]
}
```

Output Example

```
{
"Response": {
"SecurityGroupSet": [
{
"SecurityGroupId": "sg-05bb4upy",
"SecurityGroupName": "TestGroup",
"SecurityGroupDesc": "test-group-desc",
"ProjectId": "0",
"IsDefault": true,
"CreatedTime": "2017-04-18 21:02:30"
}
],
"TotalCount": 1,
"RequestId": "74883e1b-5901-46de-ae1e-d6e2cf591c5b"
}
}
```

Example2 Querying security groups bound with the specific tag

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This example shows you how to query by `tag:tag-key` .

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSecurityGroups
<Common request parameters>

{
"Filters": [
{
"Values": [
"TEST"
],
"Name": "tag:Version"
}
]
}
```

Output Example

```
{
"Response": {
"SecurityGroupSet": [
{
"SecurityGroupId": "sg-2got2lcz",
"SecurityGroupName": "test",
"SecurityGroupDesc": "All ports are opened to the public and private networks. Th
is may present security isks.",
"ProjectId": "0",
"IsDefault": false,
"CreatedTime": "2019-07-23 12:32:24",
"TagSet": [
{
"Key": "Tag key",
"Value": "Tag value"
},
{
"Key": "Version",
"Value": "TEST"
},
{
"Key": "Version",
"Value": "DEV"
```

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```
}
]
}
],
"TotalCount": 1,
"RequestId": "85cda7d1-6608-4eca-8d02-19937c12dd84"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.

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InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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ModifySecurityGroupAttribute

Last updated：2024-11-25 20:03:48

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ModifySecurityGroupAttribute) is used to modify the attributes of a security group (SecurityGroupPolicy).

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifySecurityGroupAttribute.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. This can be obtained through DescribeSecurityGroups.
GroupName	No	String	Security group can be named freely, but cannot exceed 60 characters.
GroupDescription	No	String	The remarks for the security group. The maximum length is 100 characters.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying security group attributes

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifySecurityGroupAttribute
&Version=2017-03-12
&SecurityGroupId=sg-33ocnj9n
&GroupName=TestGroupNewName
&GroupDescription=test-group-desc
&<Common request parameters>
```

Output Example

```
{
"Response": {}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Go

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- Tencent Cloud SDK 3.0 for Node.js
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
ResourceNotFound	The resource does not exist.

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ModifySecurityGroupPolicies

Last updated：2024-11-25 20:03:47

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to reset the `Egress` and `Ingress` rules (SecurityGroupPolicy) of a security group.

- This API does not support custom indexes `PolicyIndex`.
- For `SecurityGroupPolicySet` parameter,
  - If `SecurityGroupPolicySet.Version` is set to `0`, all policies will be cleared, and `Egress` and `Ingress` will be ignored.
  - If `SecurityGroupPolicySet.Version` is not set to `0`, add `Egress` and `Ingress` policies:
    - `Protocol`: `TCP`, `UDP`, `ICMP`, `ICMPV6`, `GRE`, or `ALL`.
    - `CidrBlock`: a CIDR block in the correct format. In the classic network, even if the CIDR block specified in `CidrBlock` contains the Tencent Cloud private IPs that are not using for CVMs under your Tencent Cloud account, it does not mean this policy allows you to access those resources. The network isolation policies between tenants take priority over the private network policies in security groups.
    - `Ipv6CidrBlock`: an IPv6 CIDR block in the correct format. In the classic network, even if the CIDR block specified in `Ipv6CidrBlock` contains the Tencent Cloud private IPv6 addresses that are not using for CVMs under your Tencent Cloud account, it does not mean this policy allows you to access those resources. The network isolation policies between tenants take priority over the private network policies in security groups.
    - `SecurityGroupId`: ID of the security group. It can be the ID of a security group to be modified, or the ID of another security group in the same project. All private IPs of all CVMs under the security group will be covered. If this field is used, the policy will automatically change according to the CVM associated with the group ID while being used to match network messages. You don't need to change it manually.
    - `Port`: a single port number such as 80, or a port range in the format of '8000-8010'. You may use this field only if the `Protocol` field takes the value `TCP` or `UDP`.
    - `Action`: only allows `ACCEPT` or `DROP`.
    - `CidrBlock`, `Ipv6CidrBlock`, `SecurityGroupId`, and `AddressTemplate` are mutually exclusive. `Protocol` + `Port` and `ServiceTemplate` are mutually exclusive.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

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Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifySecurityGroupPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. This can be obtained through DescribeSecurityGroups.
SecurityGroupPolicySet	Yes	SecurityGroupPolicySet	The security group policy set. SecurityGroupPolicySet object must specify new egress and ingress policies at the same time. SecurityGroupPolicy object does not support custom index (PolicyIndex).
SortPolicys	No	Boolean	Whether the security group rule is sorted. Default value: False. If it is set to `True`, security group rules will be strictly sorted according to the sequence specified in the `SecurityGroupPolicySet` parameter. Manual entry may cause omission, so we recommend sorting security group rules in the console.

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifying the outbound and inbound rules of a security group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifySecurityGroupPolicies
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Egress.0.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Egress.0.ServiceTemplate.ServiceGroupId=ppmg-f5n1f8da
&SecurityGroupPolicySet.Egress.0.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Egress.0.AddressTemplate.AddressGroupId=ipmg-2uw6ujo6
&SecurityGroupPolicySet.Egress.0.Action=accept
&SecurityGroupPolicySet.Egress.0.PolicyDescription=TestPolicy
&SecurityGroupPolicySet.Ingress.0.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Ingress.0.ServiceTemplate.ServiceGroupId=ppmg-f5n1f8da
&SecurityGroupPolicySet.Ingress.0.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Ingress.0.AddressTemplate.AddressGroupId=ipmg-2uw6ujo6
&SecurityGroupPolicySet.Ingress.0.Action=accept
&SecurityGroupPolicySet.Ingress.0.PolicyDescription=Test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

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5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	

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InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.ClbPolicyExceedLimit	Reached the upper limit of security group policies of the load balancer.
UnsupportedOperation.DuplicatePolicy	The security group policies are repeated.
UnsupportedOperation.LockedResources	

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ReplaceSecurityGroupPolicies

Last updated：2024-11-25 20:07:50

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to batch modify security group policies.
Policies to modify must be in the same direction. `PolicyIndex` must be specified.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReplaceSecurityGroupPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n` . This can be obtained through the `DescribeSecurityGroups` API.

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SecurityGroupPolicySet	Yes	SecurityGroupPolicySet	Security group policy set object.
OriginalSecurityGroupPolicySet	No	SecurityGroupPolicySet	(Optional) The old policy set of the security group, which is used for log records.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Batch modifying security group policies

This example shows you how to batch modify security group policies.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ReplaceSecurityGroupPolicies
<Common request parameters>

{
"SecurityGroupId": "sg-12345678",
"SecurityGroupPolicySet": {
"Ingress": [
{
"PolicyIndex": "3",
"Protocol": "tcp",
"PolicyDescription": "TestPolicy",
"Action": "ACCEPT",
"CidrBlock": "20.0.0.0/16",
"Port": "22"
},
{
```

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```
"PolicyIndex": "4",
"Protocol": "tcp",
"PolicyDescription": "TestPolicy2",
"Action": "DROP",
"CidrBlock": "30.0.0.0/16",
"Port": "22"
}
],
"Version": "20"
}
}
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.ClbPolicyExceedLimit	Reached the upper limit of security group policies of the load balancer.
UnsupportedOperation.ClbPolicyLimit	Public network CLB does not support this policy.
UnsupportedOperation.DuplicatePolicy	The security group policies are repeated.
UnsupportedOperation.LockedResources	
UnsupportedOperation.VersionMismatch	The specified version number of the

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	security group policy is inconsistent with the latest version.

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ReplaceSecurityGroupPolicy

Last updated：2024-11-25 20:03:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API (ReplaceSecurityGroupPolicy) is used to replace a single security group policy (SecurityGroupPolicy). Only one policy in a single direction can be replaced in each request, and the PolicyIndex parameter must be specified.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer
Try it
API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ReplaceSecurityGroupPolicy.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. This can be obtained through DescribeSecurityGroups.

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SecurityGroupPolicySet	Yes	SecurityGroupPolicySet	Security group policy set object.
OriginalSecurityGroupPolicySet	No	SecurityGroupPolicySet	(Optional) The old policy set of the security group, which is used for log records.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Replacing a single routing policy of a security group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ReplaceSecurityGroupPolicy
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Version=20
&SecurityGroupPolicySet.Egress.0.PolicyIndex=2
&SecurityGroupPolicySet.Egress.0.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Egress.0.ServiceTemplate.ServiceGroupId=ppmg-f5n1f8da
&SecurityGroupPolicySet.Egress.0.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Egress.0.AddressTemplate.AddressGroupId=ipmg-2uw6ujo6
&SecurityGroupPolicySet.Ingress.0.Action=accept
&SecurityGroupPolicySet.Ingress.0.PolicyDescription=TestPolicy
&SecurityGroupPolicySet.Ingress.0.PolicyIndex=2
&SecurityGroupPolicySet.Ingress.0.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Ingress.0.ServiceTemplate.ServiceGroupId=ppmg-f5n1f8da
&SecurityGroupPolicySet.Ingress.0.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Ingress.0.AddressTemplate.AddressGroupId=ipmg-2uw6ujo6
&<Common request parameters>
```

Output Example

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```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.

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InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation.ClbPolicyExceedLimit	Reached the upper limit of security group policies of the load balancer.
UnsupportedOperation.ClbPolicyLimit	Public network CLB does not support this policy.
UnsupportedOperation.DuplicatePolicy	The security group policies are repeated.
UnsupportedOperation.LockedResources	
UnsupportedOperation.VersionMismatch	The specified version number of the security group policy is inconsistent with the latest version.

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CreateSecurityGroupPolicies

Last updated：2024-11-25 20:03:55

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create security group policies (`SecurityGroupPolicy`).

For parameters of `SecurityGroupPolicySet` ,

- `Version` : The version number of a security group policy, which automatically increases by one each time you update the security policy, to prevent expiration of the updated routing policies. If it is left empty, any conflicts will be ignored.
- When creating the `Egress` and `Ingress` polices,
  - `Protocol` : Allows `TCP` , `UDP` , `ICMP` , `ICMPV6` , `GRE` and `ALL` .
  - `CidrBlock` : For the classic network, the `CidrBlock` can contain private IPs of Tencent Cloud resources that are not under your account. It does not mean that you can access these devices. The network isolation policies between tenants take priority over the private network policies in security groups.
  - `Ipv6CidrBlock` : For the classic network, `Ipv6CidrBlock` can contain private IPv6 addresses of Tencent Cloud resources that are not under your account. It does not mean that you can access these devices. The network isolation policies between tenants take priority over the private network policies in security groups.
  - `SecurityGroupId` : ID of the security group to create policies.
  - `Port` : A single port (“80”) or a port range ("8000-8010"). This parameter is only available when `Protocol` is `TCP` or `UDP` .
  - `Action` : `ACCEPT` or `DROP` .
  - `CidrBlock` , `Ipv6CidrBlock` , `SecurityGroupId` , and `AddressTemplate` are mutually exclusive. `Protocol` + `Port` and `ServiceTemplate` are mutually exclusive. `IPv6CidrBlock` and `ICMP` are mutually exclusive; to use them, enter `ICMPV6` .
  - You can only create policies in one direction in each request. To specify the `PolicyIndex` parameter, use the same index number in policies. If you want to insert a rule before the first rule, enter 0; if you want to add a rule after the last rule, leave it empty.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

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API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateSecurityGroupPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SecurityGroupId	Yes	String	The security group instance ID, such as `sg-33ocnj9n`. This can be obtained through DescribeSecurityGroups.
SecurityGroupPolicySet	Yes	SecurityGroupPolicySet	Security group policy set.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Adds inbound policies to a security group

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=CreateSecurityGroupPolicies
&Version=2017-03-12
&SecurityGroupId=sg-ohuuioma
&SecurityGroupPolicySet.Version=21
&SecurityGroupPolicySet.Ingress.0.PolicyIndex=1
&SecurityGroupPolicySet.Ingress.0.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Ingress.0.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Ingress.0.Action=accept
&SecurityGroupPolicySet.Ingress.0.PolicyDescription=TestPolicy
&SecurityGroupPolicySet.Ingress.1.PolicyIndex=1
&SecurityGroupPolicySet.Ingress.1.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Ingress.1.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Ingress.1.Action=accept
&SecurityGroupPolicySet.Ingress.1.PolicyDescription=Test
&<Common request parameter>
```

Output Example

```
{
"Response": {}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
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- Tencent Cloud SDK 3.0 for .NET
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Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter	A parameter error occurred.
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.SecurityGroupPolicySet	The number of security group rules exceeds the upper limit.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.

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Error Code	Description
UnsupportedOperation.ClbPolicyExceedLimit	Reached the upper limit of security group policies of the load balancer.
UnsupportedOperation.ClbPolicyLimit	Public network CLB does not support this policy.
UnsupportedOperation.DuplicatePolicy	The security group policies are repeated.
UnsupportedOperation.LockedResources	
UnsupportedOperation.VersionMismatch	The specified version number of the security group policy is inconsistent with the latest version.

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CreateSecurityGroupWithPolicies

Last updated：2024-11-25 20:07:53

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a security group, and add security group policies.

- For the the upper limit of security groups per project in each region under each account, see here
- For newly created security groups, the inbound and outbound policies are set to `Deny All` by default. You need to call CreateSecurityGroupPolicies to change it.

Description:

- `Version` : The version number of a security group policy. It automatically increments by 1 every time you update the security policy, so to prevent the expiration of the updated policies. If this field is left empty, any conflicts will be ignored.
- `Protocol` : Values can be `TCP` , `UDP` , `ICMP` , `ICMPV6` , `GRE` , and `ALL` .
- `CidrBlock` : Enter a CIDR block in the correct format. In the classic network, even if the CIDR block specified in `CidrBlock` contains the Tencent Cloud private IPs not used for CVMs under your Tencent Cloud account, it does not mean this policy allows you to access those resources. The network isolation policies between tenants take priority over the private network policies in security groups.
- `Ipv6CidrBlock` : Enter an IPv6 CIDR block in the correct format. In the classic network, even if the CIDR block specified in `Ipv6CidrBlock` contains the Tencent Cloud private IPv6 addresses not used for CVMs under your Tencent Cloud account, it does not mean this policy allows you to access those resources. The network isolation policies between tenants take priority over the private network policies in security groups.
- `SecurityGroupId` : ID of the security group. It can be the ID of a security group to be modified, or the ID of another security group in the same project. All private IPs of all CVMs under the security group will be covered. If this field is used, the policy will automatically change according to the CVM associated with the group ID while being used to match network messages. You don't need to change it manually.
- `Port` : Enter a single port number (such as `80`), or a port range (such as `8000-8010`). `Port` is only applicable when `Protocol` is `TCP` or `UDP` . If `Protocol` is not `TCP` or `UDP` , `Protocol` and `Port` cannot be both specified.
- `Action` : Values can be `ACCEPT` or `DROP` .

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- `CidrBlock`, `Ipv6CidrBlock`, `SecurityGroupId`, and `AddressTemplate` are exclusive to one another. "Protocol + Port" and `ServiceTemplate` are mutually exclusive.
- Only policies in one direction can be created in each request. If you need to specify the `PolicyIndex` parameter, the indexes of policies must be consistent.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateSecurityGroupWithPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
GroupName	Yes	String	Security group can be named freely, but cannot exceed 60 characters.
GroupDescription	Yes	String	The remarks for the security group. The maximum length is 100 characters.
ProjectId	No	String	Project ID. Default value: 0. You can query it on the project management page of the Tencent Cloud console.
SecurityGroupPolicySet	No	SecurityGroupPolicySet	Security group policy set.

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3. Output Parameters

Parameter Name	Type	Description
SecurityGroup	SecurityGroup	Security group object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a security group

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=CreateSecurityGroupWithPolicies
&Version=2017-03-12
&GroupName=TestGroup
&GroupDescription=test-group-desc
&<Common request parameters>
```

Output Example

```
{
"Response": {
"SecurityGroup": {
"SecurityGroupId": "sg-12345678",
"SecurityGroupName": "TestGroup",
"SecurityGroupDesc": "test-group-desc",
"ProjectId": "0"
}
}
}
```

Example2 Creating security groups and the rules

Input Example

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```
https://vpc.intl.tencentcloudapi.com/?Action=CreateSecurityGroupWithPolicies
&Version=2017-03-12
&GroupName=TestGroup
&GroupDescription=test-group-desc
&SecurityGroupPolicySet.Egress.0.PolicyIndex=0
&SecurityGroupPolicySet.Egress.0.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Egress.0.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Egress.0.Action=accept
&SecurityGroupPolicySet.Egress.0.PolicyDescription=TestPolicy
&SecurityGroupPolicySet.Egress.1.PolicyIndex=1
&SecurityGroupPolicySet.Egress.1.ServiceTemplate.ServiceId=ppm-f5n1f8da
&SecurityGroupPolicySet.Egress.1.AddressTemplate.AddressId=ipm-2uw6ujo6
&SecurityGroupPolicySet.Egress.1.Action=accept
&SecurityGroupPolicySet.Egress.1.PolicyDescription=Test
&<Common request parameters>
```

Output Example

```
{
"Response": {
"SecurityGroup": {
"SecurityGroupId": "sg-12345678",
"SecurityGroupName": "TestGroup",
"SecurityGroupDesc": "test-group-desc",
"ProjectId": "0"
}
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
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- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET

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- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.

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UnsupportedOperation.LockedResources	

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CreateSecurityGroup

Last updated：2024-11-25 20:03:56

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create a security group (SecurityGroup).

- Note the maximum number of security groups per project in each region under each account.
- Both the inbound and outbound rules for a newly created security group are "Deny All" by default. You need to call CreateSecurityGroupPolicies to set security group rules based on your needs.
- You can bind a tag when creating a security group. The tag list in the response indicates the tags that have been successfully added.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateSecurityGroup.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
GroupName	Yes	String	Security group can be named freely, but cannot exceed 60 characters.

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GroupDescription	Yes	String	The remarks for the security group. The maximum length is 100 characters.
ProjectId	No	String	Project ID. The default is 0. You can query it on the project management page of the Qcloud console.
Tags.N	No	Array of Tag	Bound tags, such as [{"Key": "city", "Value": "shanghai"}].

3. Output Parameters

Parameter Name	Type	Description
SecurityGroup	SecurityGroup	Security group object.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a security group

This example shows you how to create a security group.

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateSecurityGroup
<Common request parameters>

{
"GroupName": "TestGroup",
"GroupDescription": "test-group-desc",
"Tags": [
{
"Value": "shanghai",
"Key": "city"
}
```

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```
]
}
```

Output Example

```
{
"Response": {
"RequestId": "354f4ac3-8546-4516-8c8a-69e3ab73aa8a",
"SecurityGroup": {
"SecurityGroupId": "sg-3g7ftkp3",
"SecurityGroupName": "TestGroup",
"SecurityGroupDesc": "test-group-desc",
"ProjectId": "0",
"TagSet": [
{
"Key": "city",
"Value": "shanghai"
}
]
}
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- Tencent Cloud SDK 3.0 for Python
- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameter	A parameter error occurred.
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The tag and value do not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
LimitExceeded	Quota limit is reached.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.

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LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.
LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter	Missing parameter.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.

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Snapshot Policy APIs
AttachSnapshotInstances

Last updated：2024-11-25 20:07:49

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to associate a snapshot policy with specified instances.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: AttachSnapshotInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyId	Yes	String	Snapshot policy IDs
Instances.N	Yes	Array of SnapshotInstance	Information of associated instances

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3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Associating a snapshot policy with instances

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: AttachSnapshotInstances
<Common request parameters>

{
"SnapshotPolicyId": "sspolicy-g6jwvm35",
"Instances": [
{
"InstanceId": "sg-e18r37v3",
"InstanceType": "securitygroup",
"InstanceRegion": "ap-shanghai"
}
]
}
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

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5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.DuplicatePara	The parameter value already exists.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
LimitExceeded	Quota limit is reached.
LimitExceeded.AttachedSnapshotPolicyExceeded	Reached the upper limit of snapshot policies associated with an instance
ResourceNotFound	The resource does not exist.
UnsupportedOperation.SnapshotAttached	This instance is already associated with a snapshot policy.
UnsupportedOperation.SnapshotInstanceRegionDiff	Batch association only supports instances in the same region.

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CreateSnapshotPolicies

Last updated：2024-11-25 20:07:47

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to create snapshot policies.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: CreateSnapshotPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicies.N	Yes	Array of SnapshotPolicy	Details of a snapshot policy

3. Output Parameters

Parameter Name	Type	Description

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SnapshotPolicies	Array of SnapshotPolicy	Snapshot policies
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating snapshot policies

Input Example

```
POST / HTTP/1.1
Host: vpc.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateSnapshotPolicies
<Common request parameters>

{
"SnapshotPolicies": [
{
"KeepTime": "180",
"CosRegion": "ap-guangzhou",
"CosBucket": "test-12345678",
"CreateNewCos": "true",
"SnapshotPolicyName": "test_name",
"BackupType": "operate"
}
]
}
```

Output Example

```
{
"Response": {
"SnapshotPolicies": [
{
"SnapshotPolicyId": "sspolicy-n08du1g3",
"SnapshotPolicyName": "test_name",
"KeepTime": 180,
"CosRegion": "ap-guangzhou",
"CosBucket": "test-12345678",
```

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```
"Enable": true,
"BackupType": "operate",
"CreateNewCos": true
}
],
"RequestId": "fdba6828-e317-4bd8-940f-6e12b09ecf1b"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InternalError.ModuleError	Internal module error
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Malformed	Invalid input parameter format.

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InvalidParameterValue.Range	The parameter value is not in the specified range.
LimitExceeded	Quota limit is reached.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation.

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DeleteSnapshotPolicies

Last updated：2024-11-25 20:07:46

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to delete snapshot policies.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DeleteSnapshotPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyIds.N	Yes	Array of String	Snapshot policy IDs

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deletes snapshot policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DeleteSnapshotPolicies
&SnapshotPolicyIds.0=sspolicy-0mrp8xzp
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fdba6828-e317-4bd8-940f-6e12b09ecf1b"
}
}
```

5. Developer Resources

SDK

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- Tencent Cloud SDK 3.0 for Java
- Tencent Cloud SDK 3.0 for PHP
- Tencent Cloud SDK 3.0 for Go
- Tencent Cloud SDK 3.0 for Node.js
- Tencent Cloud SDK 3.0 for .NET
- Tencent Cloud SDK 3.0 for C++

Command Line Interface

- Tencent Cloud CLI 3.0

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DescribeSgSnapshotFileContent

Last updated：2024-11-25 20:07:45

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query the snapshot file contents.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSgSnapshotFileContent.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyId	Yes	String	Snapshot policy IDs
SnapshotFileId	Yes	String	Snapshot file ID
SecurityGroupId	Yes	String	Security group ID

3. Output Parameters

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Parameter Name	Type	Description
InstanceId	String	Security group ID
SnapshotPolicyId	String	Snapshot policy IDs
SnapshotFileId	String	Snapshot file ID
BackupTime	String	Backup time
Operator	String	Operator
OriginalData	Array of SecurityGroupPolicy	Original data
BackupData	Array of SecurityGroupPolicy	Backup data
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying contents of security group snapshot files

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSgSnapshotFileContent
&SnapshotPolicyId=sspolicy-ebjofe71
&SnapshotFileId=ssfile-017gepjxpr
&SecurityGroupId=sg-ntrgm89v
&<Common request parameters>
```

Output Example

```
{
"Response": {
"InstanceId": "sg-ntrgm89v",
"SnapshotPolicyId": "sspolicy-ebjofe71",
"SnapshotFileId": "ssfile-017gepjxpr",
"BackupTime": "2021-10-25 15:00:10",
"Operator": "100000072292",
"OriginalData": [
```

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```
{
"PolicyIndex": 0,
"Protocol": "icmp",
"Port": "ALL",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-02 11:24:13",
"Action": "DROP",
"PolicyDescription": "Allow PING"
},
{
"PolicyIndex": 1,
"Protocol": "icmpv6",
"Port": "ALL",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow PING"
},
{
"PolicyIndex": 2,
"Protocol": "tcp",
"Port": "22",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Linux SSH login"
},
{
"PolicyIndex": 3,
"Protocol": "tcp",
"Port": "22",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Linux SSH login"
},
{
"PolicyIndex": 4,
"Protocol": "tcp",
"Port": "3389",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Windows remote login"
},
{
"PolicyIndex": 5,
```


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```
"Protocol": "tcp",
"Port": "3389",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Windows remote login"
},
{
"PolicyIndex": 6,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "10.0.0.0/8",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow private network access (VPC)"
},
{
"PolicyIndex": 7,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "172.16.0.0/12",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow private network access (VPC)"
},
{
"PolicyIndex": 8,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "192.168.0.0/16",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow private network access (VPC)"
},
{
"PolicyIndex": 0,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT"
},
{
"PolicyIndex": 1,
"Protocol": "ALL",
"Port": "ALL",
"Ipv6CidrBlock": "::/0",
```


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```
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT"
}
],
"BackupData": [
{
"PolicyIndex": 0,
"Protocol": "icmp",
"Port": "ALL",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-02 11:24:13",
"Action": "DROP",
"PolicyDescription": "Allow PING"
},
{
"PolicyIndex": 1,
"Protocol": "icmpv6",
"Port": "ALL",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow PING"
},
{
"PolicyIndex": 2,
"Protocol": "tcp",
"Port": "22",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Linux SSH login"
},
{
"PolicyIndex": 3,
"Protocol": "tcp",
"Port": "22",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Linux SSH login"
},
{
"PolicyIndex": 4,
"Protocol": "tcp",
"Port": "3389",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-01 19:16:12",
```


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```
"Action": "ACCEPT",
"PolicyDescription": "Allow Windows remote login"
},
{
"PolicyIndex": 5,
"Protocol": "tcp",
"Port": "3389",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow Windows remote login"
},
{
"PolicyIndex": 6,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "10.0.0.0/8",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow private network access (VPC)"
},
{
"PolicyIndex": 7,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "172.16.0.0/12",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow private network access (VPC)"
},
{
"PolicyIndex": 8,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "192.168.0.0/16",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT",
"PolicyDescription": "Allow private network access (VPC)"
},
{
"PolicyIndex": 0,
"Protocol": "ALL",
"Port": "ALL",
"CidrBlock": "0.0.0.0/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT"
},
```


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```
{
"PolicyIndex": 1,
"Protocol": "ALL",
"Port": "ALL",
"Ipv6CidrBlock": "::/0",
"ModifyTime": "2021-09-01 19:16:12",
"Action": "ACCEPT"
}
],
"RequestId": "6886c65f-f9bb-4547-93ee-71f781b0e014"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.

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ResourceNotFound	The resource does not exist.
UnsupportedOperation.SnapshotFileFailed	Failed to generate the snapshot file.
UnsupportedOperation.SnapshotFileNoExist	The snapshot file is expired or has been deleted.
UnsupportedOperation.SnapshotFileProcessing	Generating the snapshot file...Please check again later.

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DescribeSnapshotAttachedInstances

Last updated：2024-11-25 20:07:44

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query instances associated with a snapshot policy.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSnapshotAttachedInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyId	Yes	String	Snapshot policy IDs
Filters.N	No	Array of Filter	Filters Values: • `instance-id` : Instance ID • `instance-region` : Instance region
Offset	No	Integer	Offset. Default value: `0` .
Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 200.

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3. Output Parameters

Parameter Name	Type	Description
InstanceSet	Array of SnapshotInstance	List of instances
TotalCount	Integer	The number of eligible objects.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying instances associated with a snapshot policy

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSnapshotAttachedInstances
&SnapshotPolicyId=sspolicy-g6jwvm35
&Offset=0
&Limit=2
&Filters.0.Name=uniqInstanceId
&Filters.0.Values.0=sg-ntrgm89v
&<Common request parameters>
```

Output Example

```
{
"Response": {
"InstanceSet": [
{
"InstanceId": "sg-ntrgm89v",
"InstanceRegion": "ap-shanghai",
"InstanceType": "securitygroup",
"SnapshotPolicyId": "sspolicy-g6jwvm35",
"InstanceName": "test11111"
}
```

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```
],
"TotalCount": 1,
"RequestId": "2099cfcf-fe15-4825-93a1-642c9ad2630f"
}
}
```


5. Developer Resources

SDK

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- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.

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DescribeSnapshotPolicies

Last updated：2024-11-25 20:07:42

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query snapshot policies.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSnapshotPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyIds.N	No	Array of String	Snapshot policy IDs
Filters.N	No	Array of Filter	Filter conditions. `SnapshotPolicyIds` and `Filters` cannot be both specified. • `snapshot-policy-id` - String - Snapshot policy ID • `snapshot-policy-name` - String - Snapshot policy name
Offset	No	Integer	Offset. Default value: `0`.

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Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 200.

3. Output Parameters

Parameter Name	Type	Description
SnapshotPolicySet	Array of SnapshotPolicy	Snapshot policies
TotalCount	Integer	The number of eligible objects.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Queries snapshot policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSnapshotPolicies
&Offset=0
&Limit=2
&Filters.0.Name=snapshot-policy-id
&Filters.0.Values.0=sspolicy-g6jwvm35
&<Common request parameters>
```

Output Example

```
{
"Response": {
"SnapshotPolicySet": [
{
"SnapshotPolicyId": "sspolicy-g6jwvm35",
"SnapshotPolicyName": "test2",
"KeepTime": 180,
"CosRegion": "ap-guangzhou",
"CosBucket": "test1-251197522",
```

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```
"CreateTime": "2021-10-08 16:09:46",
"Enable": true,
"BackupType": "operate",
"CreateNewCos": false
}
],
"TotalCount": 1,
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```


5. Developer Resources

SDK

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Command Line Interface

- Tencent Cloud CLI 3.0

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.Range	The parameter value is not in the specified range.

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DetachSnapshotInstances

Last updated：2024-11-25 20:07:41

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to disassociate a snapshot policy with instances.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DetachSnapshotInstances.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyId	Yes	String	Snapshot policy IDs
Instances.N	Yes	Array of SnapshotInstance	Information of instances

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disassociates a snapshot policy with instances

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DetachSnapshotInstances
&SnapshotPolicyId=sspolicy-g6jwvm35
&Instances.0.InstanceId=sg-e18r37v3
&Instances.0.InstanceType=securitygroup
&Instances.0.InstanceRegion=ap-shanghai
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.DuplicatePara	The parameter value already exists.
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.SnapshotInstanceRegionDiff	Batch association only supports instances in the same region.
UnsupportedOperation.SnapshotNotAttached	The instance is not associated with any snapshot policy.

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DisableSnapshotPolicies

Last updated：2024-11-25 20:07:39

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to disable specified snapshot policies.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DisableSnapshotPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyIds.N	Yes	Array of String	Snapshot policy IDs

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Disables specified snapshot policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DisableSnapshotPolicies
&SnapshotPolicyIds.0=sspolicy-g6jwvm35
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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EnableSnapshotPolicies

Last updated：2024-11-25 20:07:38

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to enable specified snapshot policies.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: EnableSnapshotPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyIds.N	Yes	Array of String	Snapshot policy IDs

3. Output Parameters

Parameter Name	Type	Description

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RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling specified snapshot policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=EnableSnapshotPolicies
&SnapshotPolicyIds.0=sspolicy-g6jwvm35
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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ModifySnapshotPolicies

Last updated：2024-11-25 20:07:37

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to modify specified snapshot policies.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ModifySnapshotPolicies.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPoliciesInfo.N	Yes	Array of BatchModifySnapshotPolicy	Modify snapshot policies

3. Output Parameters

Parameter	Type	Description

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Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Modifies specified snapshot policies

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ModifySnapshotPolicies
&SnapshotPoliciesInfo.0.SnapshotPolicyId=sspolicy-aart89ip
&SnapshotPoliciesInfo.0.SnapshotPolicyName=new_name
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "fdba6828-e317-4bd8-940f-6e12b09ecf1b"
}
}
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.SnapshotBackupTypeModify	Snapshot backup policy cannot be modified.

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ResumeSnapshotInstance

Last updated：2024-11-25 20:07:36

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to restore security group policies with a backup.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: ResumeSnapshotInstance.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
SnapshotPolicyId	Yes	String	Snapshot policy IDs
SnapshotFileId	Yes	String	Snapshot file ID
InstanceId	Yes	String	ID of the instance.

3. Output Parameters

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Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Restoring a snapshot instance

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=ResumeSnapshotInstance
&SnapshotPolicyId=sspolicy-aart89ip
&SnapshotFileId=ssfile-emtabuwu2z
&InstanceId=sg-ntrgm89v
&<Common request parameters>
```

Output Example

```
{
"Response": {
"RequestId": "a38579de-a046-4d68-b24a-b629c8d0ae57"
}
}
```

5. Developer Resources

SDK

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue.Malformed	Invalid input parameter format.
ResourceNotFound	The resource does not exist.

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DescribeSnapshotFiles

Last updated：2024-11-25 20:07:43

1. API Description

Domain name for API request: vpc.intl.tencentcloudapi.com.

This API is used to query snapshot files.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

Try it

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see Common Request Parameters.

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params. The value used for this API: DescribeSnapshotFiles.
Version	Yes	String	Common Params. The value used for this API: 2017-03-12.
Region	Yes	String	Common Params. For more information, please see the list of regions supported by the product.
BusinessType	Yes	String	Type of associated resource. Values: `securitygroup`
InstanceId	Yes	String	Service instance ID. It's corresponding to the `BusinessType` .
StartDate	Yes	String	Start time. Format: %Y-%m-%d %H:%M:%S
EndDate	Yes	String	End time. Format: %Y-%m-%d %H:%M:%S
Offset	No	Integer	Offset. Default value: `0` .

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Limit	No	Integer	Number of returned results. Default value: 20. Maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
SnapshotFileSet	Array of SnapshotFileInfo	Snapshot files
TotalCount	Integer	The number of eligible objects.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying snapshots of an instance

This example shows you how to query the snapshots of the current instance.

Input Example

```
https://vpc.intl.tencentcloudapi.com/?Action=DescribeSnapshotFiles
&BusinessType=securitygroup
&InstanceId=sg-ntrgm89v
&StartDate=2021-10-10 00:00:00
&EndDate=2021-10-30 19:00:00
&<Common request parameters>
```

Output Example

```
{
"Response": {
"SnapshotFileSet": [
{
"InstanceId": "sg-ntrgm89v",
"SnapshotPolicyId": "sspolicy-ebjofe71",
"SnapshotFileId": "ssfile-017gepjxpr",
"BackupTime": "2021-10-25 15:00:10",
```

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```
"Operator": "100000072292"
},
{
"InstanceId": "sg-ntrgm89v",
"SnapshotPolicyId": "sspolicy-ebjofe71",
"SnapshotFileId": "ssfile-ibvthz32h3",
"BackupTime": "2021-10-25 00:00:10",
"Operator": "100000072292"
},
{
"InstanceId": "sg-ntrgm89v",
"SnapshotPolicyId": "sspolicy-ebjofe71",
"SnapshotFileId": "ssfile-bu7rtl9145",
"BackupTime": "2021-10-20 12:01:02",
"Operator": "100000072292"
}
],
"TotalCount": 3,
"RequestId": "a54419ea-8f2d-4d38-a69a-2315d413626f"
}
}
```


5. Developer Resources

SDK

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6. Error Code

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The following only lists the error codes related to the API business logic. For other error codes, see Common Error Codes.

Error Code	Description
InvalidParameterValue	The parameter value is invalid.
InvalidParameterValue.Range	The parameter value is not in the specified range.
ResourceNotFound	The resource does not exist.
UnsupportedOperation.SnapshotNotAttached	The instance is not associated with any snapshot policy.

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Error Codes

Last updated：2025-04-24 18:08:27

Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

```
{
"Response": {
"Error": {
"Code": "AuthFailure.SignatureFailure",
"Message": "The provided credentials could not be validated. Please check your signature is correct."
},
"RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
}
}
```

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	`Authorization` in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

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	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

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	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AddressQuotaLimitExceeded	The account quota is reached. Each Tencent Cloud account can create up to 20 EIPs in each region.
AddressQuotaLimitExceeded.DailyAllocate	The maximum number of requests is reached. The maximum number of requests made by a Tencent Cloud account per day in each region equals to two times the quota.
AuthFailure	CAM signature or authentication error.
FailedOperation.AddressEniInfoNotFound	The ENI information is not available in this address.

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FailedOperation.BalanceInsufficient	Insufficient account balance.
FailedOperation.InvalidRegion	Unsupported region.
FailedOperation.IpTypeNotPermit	
FailedOperation.MasterEniNotFound	The instance's primary ENI is not found.
FailedOperation.NetDetectTimeOut	Network probe timed out. Please retry later.
FailedOperation.TaskFailed	Task execution failed.
InternalError.CreateCkafkaRouteError	Failed to create the Ckafka route. Please retry later.
InternalError.ModuleError	Internal module error
InternalServerError	Internal error.
InvalidAccount.NotSupported	This account is not supported.
InvalidAddressId.Blocked	The specified EIP is in blocked status. When the EIP is in blocked status, it cannot be bound. You must first unblock it.
InvalidAddressId.NotFound	The specified EIP does not exist.
InvalidAddressIdState.InArrears	The specified EIP is in arrears.
InvalidAddressIdStatus.NotPermit	The specified EIP cannot be bound in current status. It can only be bound in UNBIND status.
InvalidAddressState	The operation cannot be performed on the specified EIP in current status.
InvalidInstance.NotSupported	This instance is not supported.
InvalidInstanceId.AlreadyBindEip	The specified instance has already been bound to an EIP. You must unbind the current EIP first before binding another EIP.
InvalidInstanceId.NotFound	Invalid instance ID. The specified instance ID does not exist.

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InvalidNetworkInterfaceId.NotFound	The specified NetworkInterfaceId does not exist or the specified PrivateIpAddress is not on the NetworkInterfaceId.
InvalidParameter.AclTypeMismatch	
InvalidParameter.Coexist	The parameters cannot be specified at the same time.
InvalidParameter.FilterInvalidKey	The specified filter condition does not exist.
InvalidParameter.FilterNotDict	The specified filter condition should be a key-value pair.
InvalidParameter.FilterValuesNotList	The specified filter value should be a list.
InvalidParameter.InvalidFilter	The filter rule is invalid.
InvalidParameter.NextHopMismatch	The next hop type does not match with the next hop gateway.
InvalidParameter.VpgHaGroupNotFound	The cross-AZ placement group of the DC gateway doesn't exist.
InvalidParameterConflict	The two parameters cannot be specified at the same time, nor exist concurrently. EIP can only be bound to the instances or the specified private IPs of the specified ENIs.
InvalidParameterValue.AddressAttacked	Attacked IP address.
InvalidParameterValue.AddressIdMalformed	This IP address ID is invalid.
InvalidParameterValue.AddressInternetChargeTypeConflict	The billing mode of this IP address conflicts with that of other IP addresses.
InvalidParameterValue.AddressIpNotAvailable	The IP address is not available now.
InvalidParameterValue.AddressIpNotFound	IP address not found.
InvalidParameterValue.AddressIpNotInVpc	The IP address does not exist in the VPC.

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InvalidParameterValue.AddressIpNotPublic	This IPv6 address is not published.
InvalidParameterValue.AddressIpsNotFound	Failed to query the address.
InvalidParameterValue.AddressNotApplicable	An EIP cannot be bound with this type of instance.
InvalidParameterValue.AddressNotCalcIP	This IP address is not a CalcIP (device IP).
InvalidParameterValue.AddressNotFound	Unable to find the address.
InvalidParameterValue.AddressPublished	This IPv6 address has already been published.
InvalidParameterValue.AddressTypeConflict	Invalid IP address type
InvalidParameterValue.BandwidthOutOfRange	The bandwidth exceeds the limit.
InvalidParameterValue.BandwidthPackageIdMalformed	Incorrect bandwidth package ID.
InvalidParameterValue.BandwidthPackageInUse	The bandwidth package is in use.
InvalidParameterValue.BandwidthPackageNotFound	Failed to query the bandwidth package
InvalidParameterValue.BandwidthTooSmall	The selected bandwidth is smaller than the minimum permissible range.
InvalidParameterValue.CcnAttachBmvpcLimitExceeded	The number of BM VPCs associated with the specified CCN has reached the upper limit.
InvalidParameterValue.CidrNotInPeerVpc	The destination IP address range is not within the CIDR range of the the customer VPC.
InvalidParameterValue.Combination	Invalid input parameters
InvalidParameterValue.Duplicate	The input parameter already exists.
InvalidParameterValue.DuplicatePara	The parameter value already exists.
InvalidParameterValue.EIPBrandWidthOutInvalid	Exceeded the upper limit.
InvalidParameterValue.Empty	Missing parameters.
InvalidParameterValue.Illegal	

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InvalidParameterValue.InconsistentInstanceInternetChargeType	The billing mode of this instance is different from that of others.
InvalidParameterValue.InstanceDoesNotSupportAnycast	This instance does not support an Anycast EIP.
InvalidParameterValue.InstanceHasNoWanIP	The instance does not have a public IP.
InvalidParameterValue.InstanceHasWanIP	This instance already has a WanIP (public IP).
InvalidParameterValue.InstanceIdMalformed	Incorrect instance ID.
InvalidParameterValue.InstanceNoCalcIP	Request failed: this instance does not have a CalcIP (device IP).
InvalidParameterValue.InstanceNoWanIP	Request failed: this instance does not have a WanIP (public IP).
InvalidParameterValue.InstanceNormalPublicIpBlocked	Failed to bind: this IP is restricted
InvalidParameterValue.InstanceNotMatchAssociateEni	The ENI and the IP are bound with different instances.
InvalidParameterValue.InternetChargeTypeNotChanged	The network billing mode has not been changed.
InvalidParameterValue.InvalidBandwidthPackageChargeType	Invalid billing mode of bandwidth package
InvalidParameterValue.InvalidBusiness	The parameter value does not exist or is not supported.
InvalidParameterValue.InvalidDedicatedClusterId	Invalid DedicatedClusterId.
InvalidParameterValue.InvalidInstanceInternetChargeType	This IP is applicable only for pay-as-you-go instances that billed by hourly traffic and instances with bandwidth package.
InvalidParameterValue.InvalidInstanceState	Operation failed: the status of the instance does not allow this operation.
InvalidParameterValue.InvalidIpv6	Invalid IPv6 addresses.
InvalidParameterValue.InvalidOldBandwidth	Invalid original bandwidth value.

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InvalidParameterValue.InvalidTag	This Tag is invalid.
InvalidParameterValue.LBAlreadyBindEip	This CLB instance is already bound with an EIP.
InvalidParameterValue.LimitExceeded	The parameter value exceeds the limit.
InvalidParameterValue.Malformed	Invalid input parameter format.
InvalidParameterValue.MemberApprovalApplicationIdMismatch	
InvalidParameterValue.MemberApprovalApplicationNotApproved	
InvalidParameterValue.MemberApprovalApplicationRejected	
InvalidParameterValue.MemberApprovalApplicationStarted	
InvalidParameterValue.MissingAssociateEntity	The bound instance is missing.
InvalidParameterValue.MixedAddressIpSetType	A request cannot contain IP addresses with different cluster types.
InvalidParameterValue.NatGatewayDnatRuleExisted	The DNAT forwarding rule of the NAT gateway already exists.
InvalidParameterValue.NatGatewayDnatRuleNotExists	The DNAT forwarding rule of the NAT gateway does not exist.
InvalidParameterValue.NatGatewayDnatRulePipNeedVm	The private IP of the DNAT translation rule must be an IP used by the ENI of the virtual machine.
InvalidParameterValue.NatGatewayDnatRuleRepeated	The DNAT rule of the NAT gateway to add already exists.
InvalidParameterValue.NatGatewaySnatRuleNotExists	The SNAT forwarding rule of the NAT gateway does not exist.
InvalidParameterValue.NatSnatRuleExists	The NAT Gateway already has an identical SNAT rule.
InvalidParameterValue.NetDetectInVpc	The probe destination IP and network probe are in the same VPC.
InvalidParameterValue.NetDetectNotFoundIp	Unable to find the matched next hop in the CCN route table for the

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	destination IP.
InvalidParameterValue.NetDetectSameIp	The detection destination IP address is the same as that of another network detection instance under the same subnet in the same VPC.
InvalidParameterValue.NetworkInterfaceIdMalformed	Incorrect network interface ID.
InvalidParameterValue.NetworkInterfaceInstanceNotSupport	The instance bound to the ENI does not support binding the EIPv6.
InvalidParameterValue.NetworkInterfaceNotFound	The network interface ID was not found. The private IP address may not be configured on the network interface.
InvalidParameterValue.NotUtf8EncodingError	
InvalidParameterValue.OnlySupportedForMasterNetworkCard	This operation is only available for primary ENIs.
InvalidParameterValue.ParameterMismatch	Invalid parameter format
InvalidParameterValue.Range	The parameter value is not in the specified range.
InvalidParameterValue.Reserved	The parameter value is retained by the system.
InvalidParameterValue.ResourceAlreadyExisted	The resource has already added to another bandwidth package.
InvalidParameterValue.ResourceExpired	The resource has expired.
InvalidParameterValue.ResourceIdMalformed	The resource ID is incorrect.
InvalidParameterValue.ResourceNotExisted	The resource is not associated with this bandwidth package.
InvalidParameterValue.ResourceNotFound	This resource is not found.
InvalidParameterValue.ResourceNotSupport	The resource does not support this operation.
InvalidParameterValue.RoutePolicyPriorityConflict	
InvalidParameterValue.StopChargingInstanceInUse	Operation failed: The instance to

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	shut down is using the current resource.
InvalidParameterValue.SubnetConflict	Subnet CIDR conflict.
InvalidParameterValue.SubnetOverlap	The CIDR block overlaps with another subnet within the same VPC.
InvalidParameterValue.SubnetOverlapAssistCidr	The subnet IP range overlaps with the secondary CIDR block.
InvalidParameterValue.SubnetRange	Invalid subnet CIDR.
InvalidParameterValue.TagDuplicateKey	Duplicate tag keys.
InvalidParameterValue.TagDuplicateResourceType	Duplicate tag resource type.
InvalidParameterValue.TagInvalidKey	Invalid tag key.
InvalidParameterValue.TagInvalidKeyLen	Invalid tag key length.
InvalidParameterValue.TagInvalidVal	Invalid tag key.
InvalidParameterValue.TagKeyNotExists	The tag key does not exist.
InvalidParameterValue.TagNotAllocatedQuota	Tags are not assigned quotas.
InvalidParameterValue.TagNotExisted	The Tag does not exist.
InvalidParameterValue.TagNotSupportTag	Unsupported tag.
InvalidParameterValue.TagResourceFormatError	'The tag resource format error.
InvalidParameterValue.TagTimestampExceeded	Exceeded the quota of tag timestamp.
InvalidParameterValue.TagValNotExists	The tag value does not exist.
InvalidParameterValue.TooLong	Invalid parameter value. The parameter value is too long.
InvalidParameterValue.TrafficPackageIdMalformed	The traffic package ID is invalid.
InvalidParameterValue.TrafficPackageNotFound	This traffic package is not found.
InvalidParameterValue.TrafficPackageNotSupported	The specified traffic package does not support this operation.

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InvalidParameterValue.UnavailableZone	This availability zone is unavailable.
InvalidParameterValue.VpcCidrConflict	Destination IP address range conflicts with CIDR of the current VPC.
InvalidParameterValue.VpgTypeNotMatch	This feature is not available for this direct connect gateway.
InvalidParameterValue.VpnConnBgpTunnelCidrConflict	
InvalidParameterValue.VpnConnBgpTunnelCidrMask	
InvalidParameterValue.VpnConnBgpTunnelCidrNotSupported	
InvalidParameterValue.VpnConnCidrConflict	Destination IP address range conflicts with CIDR block of the current VPC tunnel.
InvalidParameterValue.VpnConnHealthCheckIpConflict	The destination IP of the probe cannot be within the IP range of the VPC.
InvalidParameterValue.ZoneConflict	The `Zone` parameter value should be the zone where CDC resides.
InvalidPrivateIpAddress.AlreadyBindEip	The specified private IP of the specified ENI has already been bound to an EIP. A private IP cannot be bound to more than one EIP.
InvalidRouteId.NotFound	Invalid RouteId.
InvalidRouteTableId.Malformed	Invalid route table. The route table ID is invalid.
InvalidRouteTableId.NotFound	Invalid route table. The VPC resource does not exist. Please check and enter the correct resource information.
InvalidSecurityGroupID.Malformed	Invalid security group. The security group instance ID is invalid.
InvalidSecurityGroupID.NotFound	Invalid security group. The security group instance ID does not exist.

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InvalidVpcId.Malformed	Invalid VPC. The VPC instance ID is invalid.
InvalidVpcId.NotFound	Invalid VPC. The VPC resource does not exist.
InvalidVpnGatewayId.Malformed	Invalid VPN gateway. The VPN instance ID is invalid.
InvalidVpnGatewayId.NotFound	Invalid VPN gateway. The VPN instance does not exist. Verify if you have entered the correct resource information.
LimitExceeded.AccountReturnQuota	Ran out of the quota for returning under this account.
LimitExceeded.ActionLimited	Too often API invocations
LimitExceeded.Address	The number of assigned IP addresses has reached the upper limit.
LimitExceeded.AddressQuotaLimitExceeded	The number of EIPs applied for exceeds the upper limit.
LimitExceeded.AttachedSnapshotPolicyExceeded	Reached the upper limit of snapshot policies associated with an instance
LimitExceeded.BandwidthPackageQuota	Exceeded the upper limit of the bandwidth package quota.
LimitExceeded.BandwidthPackageResourceQuota	Number of resources added to this bandwidth package reached the upper limit.
LimitExceeded.ChangeAddressQuota	Run out of the chances to change the IP.
LimitExceeded.CidrBlock	The number of assigned IP ranges of the VPC has reached the upper limit.
LimitExceeded.CurrentInstanceAttachedCcnInstances	Reached the upper limit of associated CCN instances
LimitExceeded.DailyAllocateAddressQuotaLimitExceeded	The number of EIPs applied for per day exceeds the upper limit.

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LimitExceeded.DailyChangeAddressQuota	Run out of the daily chances to change the IP.
LimitExceeded.DefaultVpcLimitExceeded	
LimitExceeded.InstanceAddressQuota	Exceeded the upper limit of the EIPs bound to the instance.
LimitExceeded.ModifyAddressInternetChargeTypeQuota	Ran out of the quota of chances to change the IP billing mode.
LimitExceeded.MonthlyAddressRecoveryQuota	Ran out of the monthly quota of chances to retrieve IPs.
LimitExceeded.NatGatewayDnatLimitExceeded	
LimitExceeded.NatGatewayLimitExceeded	Reached the upper limit of NAT gateways.
LimitExceeded.NatGatewayPerVpcLimitExceeded	The number of NAT gateways created by the VPC has reached the upper limit.
LimitExceeded.NetworkInterfaceLimitExceeded	
LimitExceeded.NumberOfFilters	Exceeded the character limit of a filter name.
LimitExceeded.PublicIpAddressPerNatGatewayLimitExceeded	The number of EIPs bound to the NAT gateway has reached the upper limit.
LimitExceeded.SecurityGroupPolicySet	The number of security group rules exceeds the upper limit.
LimitExceeded.SubnetCidrBlock	The number of subnet IP ranges assigned in the subnet has reached the upper limit.
LimitExceeded.TagKeyExceeded	Reached the upper limit of tag keys.
LimitExceeded.TagKeyPerResourceExceeded	Reached the upper limit of tags keys per resource.
LimitExceeded.TagNotEnoughQuota	Insufficient tag quota.
LimitExceeded.TagQuota	Exceeded the tag quota. Unable to create resources.

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LimitExceeded.TagQuotaExceeded	Reached the upper limit of tag quota.
LimitExceeded.TagTagsExceeded	Reached the number limit of tag keys.
MissingParameter.MultiMissingParameter	Multiple parameters missing
OperationDenied.AddressInArrears	The specified public IP is isolated.
OperationDenied.MutexTaskRunning	Mutually exclusive tasks are executing.
ResourceInUse.Address	The specified IP address is already in use.
ResourceInsufficient.CidrBlock	The IP range resources are insufficient.
ResourceInsufficient.Instance	
ResourceInsufficient.Subnet	The subnet does not have sufficient IPs.
ResourceNotFound.SvcNotExist	The Svc doesn't exist.
ResourceUnavailable.ServiceWhiteListNotAdded	The current user is not in the allowlist of the specified endpoint service.
UnauthorizedOperation.AnycastEip	No permission to apply for AnycastEip resources.
UnauthorizedOperation.AttachmentNotFound	The binding relationship does not exist.
UnauthorizedOperation.InvalidAccount	Unauthorized user.
UnauthorizedOperation.NoRealNameAuthentication	Identity verification has not been completed for the account.
UnauthorizedOperation.PrimaryIp	The operation is not allowed for a primary IP.
UnknownParameter.WithGuess	Unknown parameter. Try similar parameters.
UnsupportedOperation.AccountNotSupported	This account is not supported.

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UnsupportedOperation.ActionNotFound	The port does not exist.
UnsupportedOperation.AddressIpInArrear	This operation is not supported because the account is in arrears.
UnsupportedOperation.AddressIpInternetChargeTypeNotPermit	IP addresses in this billing mode does not support this operation.
UnsupportedOperation.AddressIpNotSupportInstance	The IP address bound with this instance does not support this operation
UnsupportedOperation.AddressIpStatusNotPermit	The IP address status does not support this operation.
UnsupportedOperation.AddressStatusNotPermit	This operation is not supported by the IP address status.
UnsupportedOperation.AppIdMismatch	The resource is not under the specified AppId.
UnsupportedOperation.AppIdNotFound	The APPId doesn't exist.
UnsupportedOperation.AssociatedVpcOfCcnHadNatRoute	The NAT gateway route already exists in another VPC added to the CCN instance.
UnsupportedOperation.AttachmentAlreadyExists	The EIP is already bound to a CVM.
UnsupportedOperation.AttachmentNotFound	The binding relationship does not exist.
UnsupportedOperation.BandwidthNotExpired	Unable to delete the current CCN instance: its monthly-subscribed bandwidth does not expire.
UnsupportedOperation.BandwidthPackageIdNotSupported	This bandwidth package does not support this operation.
UnsupportedOperation.BindEIP	EIP has already been bound.
UnsupportedOperation.CIDRUnSupportedClassicLink	The specified VPC CIDR range does not support Classiclink.
UnsupportedOperation.CcnAttached	The instance is already associated with a CCN.
UnsupportedOperation.CcnCrossAccount	You cannot associated the CCN

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	instance with resources under other Tencent Cloud accounts.
UnsupportedOperation.CcnHasFlowLog	This CCN instance cannot be deleted as it has flow logs.
UnsupportedOperation.CcnNotAttached	The instance is not associated with a CCN.
UnsupportedOperation.CcnOrdinaryAccountRefuseAttach	In cross-account association, instances under an Auto-Driving Cloud account cannot be associated with CCNs created under an ordinary account.
UnsupportedOperation.CcnRouteTableNotExist	The specified route table does not exist.
UnsupportedOperation.CdcSubnetNotSupportUnLocalGateway	CDC subnet can only create a route to the local gateway.
UnsupportedOperation.ClassicInstanceIdAlreadyExists	The instance has already been bound to the VPC.
UnsupportedOperation.ClbPolicyExceedLimit	Reached the upper limit of security group policies of the load balancer.
UnsupportedOperation.ClbPolicyLimit	Public network CLB does not support this policy.
UnsupportedOperation.ConflictWithDockerRoute	The IP range overlaps with that of the TKE container under the VPC.
UnsupportedOperation.DCGatewayNatRuleExists	Unable to delete: There’re NAT rules associated with this direct connect gateway. Please delete all NAT rules first.
UnsupportedOperation.DcGatewaysNotFoundInVpc	No direct connect gateway exists in the specified VPC.
UnsupportedOperation.DelDefaultRoute	Unable to delete: This is the default route table.
UnsupportedOperation.DelRouteWithSubnet	Unable to delete: This is a route table associated with a subnet.
UnsupportedOperation.DeleteVpnConnInvalidState	

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UnsupportedOperation.DeliveryFailed	
UnsupportedOperation.DirectConnectGatewayIsUpdatingCommunity	Direct connect gateway is updating the BGP Community attribute.
UnsupportedOperation.DisabledNotifyCcn	The specified routing policy cannot be re-published to CCN. Please first withdraw it from CCN.
UnsupportedOperation.DpdkNatFlowLogOnlySupportAllTrafficType	To create a DPDK NAT flow log, the collection type must be `All`.
UnsupportedOperation.DuplicatePolicy	The security group policies are repeated.
UnsupportedOperation.Ecmp	ECMP is not supported.
UnsupportedOperation.EcmpWithCcnRoute	Form an ECMP with the CCN route.
UnsupportedOperation.EcmpWithUserRoute	Form an ECMP with the user's custom routes.
UnsupportedOperation.EnableMulticast	Multi-cast is not available in the current region.
UnsupportedOperation.EndPointMismatchEndPointServiceCdcId	
UnsupportedOperation.EndPointService	The endpoint service itself cannot be set as the endpoint.
UnsupportedOperation.FlowLogInstanceExisted	There is already a flow log created for the specified ResourceId.
UnsupportedOperation.FlowLogsNotSupportKoInstanceEni	Unable to create a flow log: the current ENI is bound with a KO model.
UnsupportedOperation.FlowLogsNotSupportNullInstanceEni	Unable to create a flow log: the current ENI is not bound to an instance.
UnsupportedOperation.IPV6CidrNotDeployed	
UnsupportedOperation.IdempotentParameterMismatch	
UnsupportedOperation.IdempotentProcessing	
UnsupportedOperation.IncorrectAddressResourceType	This type of address does not

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	support this operation.
UnsupportedOperation.InstanceAndRtbNotMatch	The configured instance does not match with the route table.
UnsupportedOperation.InstanceCdcIdNotMatchCcnCdcId	
UnsupportedOperation.InstanceMismatch	The specified instance resource does not match.
UnsupportedOperation.InstanceOrdinaryAccountRefuseAttach	In cross-account association, instances under an ordinary account cannot be associated with CCNs created under an Auto-Driving Cloud account.
UnsupportedOperation.InstanceStateNotSupported	This operation is not supported by the status of the instance bound with the IP address.
UnsupportedOperation.InsufficientFunds	Insufficient account balance.
UnsupportedOperation.InsufficientInternetServiceProviders	
UnsupportedOperation.InvalidAction	Unsupported operation.
UnsupportedOperation.InvalidAddressInternetChargeType	This operation is not allowed under the network billing mode of the IP address.
UnsupportedOperation.InvalidAddressState	This operation is not supported by the IP address status.
UnsupportedOperation.InvalidInstanceState	Invalid instance status.
UnsupportedOperation.InvalidResourceInternetChargeType	This operation is not allowed under this billing mode.
UnsupportedOperation.InvalidResourceProtocol	Bandwidth packages inapplicable to this protocol
UnsupportedOperation.InvalidState	Invalid resource status.
UnsupportedOperation.InvalidStatusNotifyCcn	The current status of the route does not support publishing to CCN. Please retry later.
UnsupportedOperation.IsNotFinanceAccount	The account of the instance

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	associated with the current CCN is not a Financial Cloud account.
UnsupportedOperation.IspNotSupported	This ISP does not support this operation.
UnsupportedOperation.LocalGatewayAlreadyExists	The specified CDC instance already has a local gateway.
UnsupportedOperation.LockedResources	
UnsupportedOperation.ModifyAddressAttribute	The account does not support modifying this attribute of the public IP.
UnsupportedOperation.MultipleVpcNotSupportAttachAccountHasIpv6	
UnsupportedOperation.MutexOperationTaskRunning	The resource mutual exclusion operation is being executed.
UnsupportedOperation.NatGatewayEipNotExists	The public IP of the NAT gateway does not exist.
UnsupportedOperation.NatGatewayHadEipUnassociate	There are IPs associated with this NAT gateway.
UnsupportedOperation.NatGatewayRestricted	
UnsupportedOperation.NatGatewayRulePipExists	The private IP specified in the SNAT/DNAT forwarding rule has been bound with another rule.
UnsupportedOperation.NatGatewaySnatPipNeedVm	The private IP of the SNAT translation rule must be within the IP range of the VM ENI.
UnsupportedOperation.NatGatewaySnatRuleNotExists	The SNAT forwarding rule of the NAT gateway does not exist.
UnsupportedOperation.NatGatewayTypeNotSupportSNAT	The specified NAT Gateway type does not support configuring a SNAT rule.
UnsupportedOperation.NatNotSupported	The NAT instance does not support this operation.
UnsupportedOperation.NormalSubnetNotSupportLocalGateway	The specified subnet does not support creating a route to the local

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	gateway.
UnsupportedOperation.NotLockedInstanceOperation	This operation is not allowed because the current instance is blocked.
UnsupportedOperation.NotMatchTargetService	The target service specified does not match the one specified in the IP application.
UnsupportedOperation.NotPendingCcnInstance	Unsupported operation: the current CCN instance is not in “Applying” status.
UnsupportedOperation.NotPostpaidCcnOperation	Unsupported operation: the current CCN instance is not billed on a pay-as-you-go basis.
UnsupportedOperation.NotSupportAttachEdgeAndCrossBorderInstance	A CCN instance cannot be associated with an edge instance and a cross-boarder instance at the same time.
UnsupportedOperation.NotSupportDeleteDefaultRouteTable	The default route table cannot be deleted.
UnsupportedOperation.NotSupportZone	
UnsupportedOperation.NotSupportedAddressIpsChargeType	This type of addresses cannot be released.
UnsupportedOperation.NotSupportedPurchaseCenterEgressResource	
UnsupportedOperation.NotSupportedUpdateCcnRoutePublish	The current CCN instance does not support publishing update routes.
UnsupportedOperation.NotifyCcn	The specified routing policy cannot be published to or withdrawn from CCN.
UnsupportedOperation.OfflineChargeType	This billing mode is disused. Please try another billing mode.
UnsupportedOperation.OnlySupportProfessionKafka	Only the Ckafka Pro Edition is supported.
UnsupportedOperation.PrepaidCcnOnlySupportInterRegionLimit	The monthly subscription CCN instance only supports the inter-

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	region bandwidth limit.
UnsupportedOperation.PrimaryIp	The specified value is a primary IP.
UnsupportedOperation.PublicIpAddressDisassociate	At least one EIP exists on the NAT gateway, and the EIP cannot be unbound.
UnsupportedOperation.PublicIpAddressIsNotBGPIp	The EIP bound to the NAT gateway is not a BGP IP.
UnsupportedOperation.PublicIpAddressIsNotExisted	The EIP bound to the NAT gateway does not exist.
UnsupportedOperation.PublicIpAddressNotBilledByTraffic	The EIP bound to the NAT gateway is not bill-by-traffic.
UnsupportedOperation.PurchaseLimit	The current account can not use this service in the current region.
UnsupportedOperation.RecordExists	This record already exists.
UnsupportedOperation.RecordNotExists	The record does not exist.
UnsupportedOperation.RemoteRegionSgHasReferencedSg	
UnsupportedOperation.ResourceIsInvalidState	Operation prohibited: The resource is not available.
UnsupportedOperation.ResourceMismatch	The resource ID entered does not match with any resource bound with the IP. Check and try again.
UnsupportedOperation.RoleNotFound	No roles available. Please confirm whether you get the authorization for the role.
UnsupportedOperation.RouteTableCanNotDelete	
UnsupportedOperation.RouteTableHasSubnetRule	The routing table is bound to a subnet.
UnsupportedOperation.SnapshotAttached	This instance is already associated with a snapshot policy.
UnsupportedOperation.SnapshotBackupTypeModify	Snapshot backup policy cannot be modified.
UnsupportedOperation.SnapshotFileFailed	Failed to generate the snapshot file.

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UnsupportedOperation.SnapshotFileNoExist	The snapshot file is expired or has been deleted.
UnsupportedOperation.SnapshotFileProcessing	Generating the snapshot file... Please check again later.
UnsupportedOperation.SnapshotInstanceRegionDiff	Batch association only supports instances in the same region.
UnsupportedOperation.SnapshotNotAttached	The instance is not associated with any snapshot policy.
UnsupportedOperation.SnatSubnet	The SNAT subnet does not support assigning IPs.
UnsupportedOperation.SpecialEndPointService	The endpoint created by the specified endpoint service cannot be bound to a security group.
UnsupportedOperation.SubEniNotSupportTrunking	The relayed ENI does not support this operation.
UnsupportedOperation.SubnetNotExists	The subnet does not exist.
UnsupportedOperation.SystemRoute	System route. Operation is prohibited.
UnsupportedOperation.TagAllocate	Tags are being assigned.
UnsupportedOperation.TagFree	Tags are being released.
UnsupportedOperation.TagNotPermit	Unauthorized for this tag.
UnsupportedOperation.TagSystemReservedTagKey	The specified tag key is reserved for system usage.
UnsupportedOperation.UinNotFound	The account ID does not exist.
UnsupportedOperation.UnableCrossBorder	Cross border is not supported.
UnsupportedOperation.UnableCrossFinance	The current CCN cannot be associated with a Financial Cloud instance.
UnsupportedOperation.UnassignCidrBlock	IPv6 IP range is not assigned.
UnsupportedOperation.UnbindEIP	EIP is not bound.

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UnsupportedOperation.UnpaidOrderAlreadyExists	Overdue payments are found under this account. Please complete the payment first.
UnsupportedOperation.UnsupportedBindLocalZoneEIP	Binding the EIPs specified in `LocalZone` is not supported.
UnsupportedOperation.UnsupportedInstanceFamily	The specified instance type does not support ENIs.
UnsupportedOperation.UnsupportedRegion	The service is not available in this country/region.
UnsupportedOperation.UserAndCcnChargeTypeNotMatch	The selected CCN instance cannot be created because the payment type is not supported.
UnsupportedOperation.VersionMismatch	The specified version number of the security group policy is inconsistent with the latest version.
UnsupportedOperation.VpcMismatch	The resources are not in the same VPC.
UnsupportedOperation.VpnConnInvalidState	Operation failed: The tunnel is not available now.
UnsupportedOperation.VpnConnSPDOverlap	
UnsupportedOperation.VpnGwVpcIdMustHave	
UnsupportedOperation.VpnUnsupportedBgp	
UnsupportedOperation.VpnUnsupportedBgpAsnEqual	
UnsupportedOperation.VpnUnsupportedModifyBandwidth	
UnsupportedOperation.VpnUnsupportedModifyBgpAsn	
UnsupportedOperation.VpnUnsupportedNotExistBgpAsn	
UnsupportedOperation.ZoneMismatch	The specified resources are not in the same availability zone.
VpcLimitExceeded	The maximum number of VPC resource requests for the specified region has been reached.

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Data Types

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AccountAttribute

Account attribute object

Used by actions: DescribeAccountAttributes.

Name	Type	Description
AttributeName	String	Attribute name
AttributeValues	Array of String	Attribute values

Address

Detailed EIP information

Used by actions: DescribeAddresses, DescribeIPv6Addresses, DescribeIp6Addresses.

Name	Type	Description
AddressId	String	`EIP` `ID` , the unique ID of the `EIP` .
AddressName	String	The `EIP` name.
AddressStatus	String	Possible `EIP` states are 'CREATING', 'BINDING', 'BIND', 'UNBINDING', 'UNBIND', 'OFFLINING', and 'BIND_ENI'.
AddressIp	String	The public IP address
InstanceId	String	The ID of the bound resource instance. This can be a `CVM` or `NAT` .
CreatedTime	Timestamp ISO8601	The creation time, which follows the `ISO8601` standard and uses `UTC` time in the format of `YYYY-MM-DDThh:mm:ssZ` .
NetworkInterfaceId	String	The ID of the bound ENI
PrivateAddressIp	String	The private IP of the bound resources
IsArrears	Boolean	

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		The isolation status of the resource. `True` indicates the EIP is isolated. `False` indicates that the resource is not isolated.
IsBlocked	Boolean	The block status of the resource. `True` indicates the EIP is blocked. `False` indicates that the EIP is not blocked.
IsEipDirectConnection	Boolean	Whether the EIP supports direct connection mode. `True` indicates the EIP supports direct connection. `False` indicates that the resource does not support direct connection.
AddressType	String	EIP resource type. Valid values: `CalcIP` (device IP), `WanIP` (public IP), `EIP` (elastic IP), `AnycastEIP` (accelerated EIP), and `AntiDDoSEIP` (anti-DDoS EIP).
CascadeRelease	Boolean	Whether the EIP is automatically released after being unbound. `True` indicates the EIP will be automatically released after being unbound. `False` indicates the EIP will not be automatically released after being unbound.
EipAlgType	AlgType	Type of the protocol used in EIP ALG
InternetServiceProvider	String	The ISP of an EIP/Elastic IP, with possible return values currently including "CMCC", "CTCC", "CUCC" and "BGP"
LocalBgp	Boolean	Whether the EIP is in a local BGP.
Bandwidth	Integer	Bandwidth value of EIP. The EIP for the bill-by-CVM account will return `null` . Note: this field may return `null` , indicating that no valid value was found.
InternetChargeType	String	Network billing mode of EIP. The EIP for the bill-by-CVM account will return `null` . Note: this field may return `null` , indicating that no valid value was found. Including: • **BANDWIDTH_PREPAID_BY_MONTH** Prepaid by monthly-subscribed bandwidth. • **TRAFFIC_POSTPAID_BY_HOUR** Pay-as-you-go billing by hourly traffic. • **BANDWIDTH_POSTPAID_BY_HOUR**

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		Pay-as-you-go billing by hourly bandwidth. • **BANDWIDTH_PACKAGE** Bandwidth package. Note: this field may return `null`, indicating that no valid value was found.
TagSet	Array of Tag	List of tags associated with the EIP Note: this field may return `null`, indicating that no valid values can be obtained.
DeadlineDate	Date	The expiration time. Note: this field may return `null`, indicating that no valid values can be obtained.
InstanceType	String	The type of instance bound with the EIP Note: this field may return `null`, indicating that no valid value was found.
Egress	String	Static single-line IP network egress Note: This field may return null, indicating that no valid value was found.
AntiDDoSPackageId	String	ID of the Anti-DDoS service package. It is returned if the EIP is an Anti-DDoS EIP.
RenewFlag	String	Indicates whether the current EIP is auto-renewed. This field is displayed only for EIPs with monthly prepaid bandwidth. Valid values are as follows: • NOTIFY_AND_MANUAL_RENEW: Normal renewal • NOTIFY_AND_AUTO_RENEW: Automatic renewal • DISABLE_NOTIFY_AND_MANUAL_RENEW: No renewal upon expiration
BandwidthPackageId	String	Indicates the ID of the Bandwidth Package associated with the current public IP. If the public IP is not billed by Bandwidth Package, this field is empty. Note: This field may return null, indicating that no valid value was found.
UnVpcId	String	Indicates the unique ID of the VPC to which the traditional EIPv6 belongs.

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		Note: This field may return null, indicating that no valid value was found.
DedicatedClusterId	String	Indicates the unique ID of the CDC. Note: This field may return 'null', indicating that no valid value was found.

AddressChargePrepaid

EIP cost object

Used by actions: AllocateAddresses, InquiryPriceAllocateAddresses, InquiryPriceRenewAddresses, ModifyAddressInternetChargeType.

Name	Type	Required	Description
Period	Integer	Yes	Purchased usage period, in month. Valid values: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 24, 36
AutoRenewFlag	Integer	No	Setting of renewal. Valid values: 0: manual renewal; 1: auto-renewal; 2: no renewal after expiration. Default value: 0

AddressInfo

IP address template information

Used by actions: CreateAddressTemplate, DescribeAddressTemplates, ModifyAddressTemplateAttribute.

Name	Type	Required	Description
Address	String	Yes	IP address
Description	String	No	Remarks Note: this field may return `null`, indicating that no valid values can be obtained.

AddressTemplate

IP address template

Used by actions: CreateAddressTemplate, DescribeAddressTemplates.

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Name	Type	Description
AddressTemplateName	String	IP address template name.
AddressTemplateId	String	The unique ID of the IP address template instance.
AddressSet	Array of String	IP address information.
CreatedTime	String	Creation Time.
AddressExtraSet	Array of AddressInfo	IP address information with remarks

AddressTemplateGroup

IP address template group

Used by actions: CreateAddressTemplateGroup, DescribeAddressTemplateGroups.

Name	Type	Description
AddressTemplateGroupName	String	IP address template group name.
AddressTemplateGroupId	String	IP address template group instance ID, such as `ipmg-dih8xdbq` .
AddressTemplateIdSet	Array of String	IP address template ID.
CreatedTime	String	Creation Time.
AddressTemplateSet	Array of AddressTemplateItem	IP address template instance

AddressTemplateItem

Address information

Used by actions: CreateAddressTemplateGroup, DescribeAddressTemplateGroups.

Name	Type	Required	Description
AddressTemplateId	String	No	ipm-xxxxxxxx
AddressTemplateName	String	No	IP template name

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From	String	No	Disused
To	String	No	Disused

AddressTemplateSpecification

IP address template

Used by actions: CreateSecurityGroupPolicies, CreateSecurityGroupWithPolicies, DeleteSecurityGroupPolicies, DescribeSecurityGroupPolicies, DescribeSgSnapshotFileContent, ModifySecurityGroupPolicies, ReplaceSecurityGroupPolicies, ReplaceSecurityGroupPolicy.

Name	Type	Required	Description
AddressId	String	Yes	The ID of the IP address, such as `ipm-2uw6ujo6`.
AddressGroupId	String	Yes	The ID of the IP address group, such as `ipmg-2uw6ujo6`.

AlgType

ALG protocol type

Used by actions: DescribeAddresses, DescribeIPv6Addresses, DescribeIp6Addresses.

Name	Type	Description
Ftp	Boolean	Whether FTP ALG is enabled
Sip	Boolean	Whether SIP ALG is enabled

AssistantCidr

Information about the secondary CIDR of the VPC.

Used by actions: CreateAssistantCidr, CreateVpc, DescribeAssistantCidr, DescribeVpcs, ModifyAssistantCidr.

Name	Type	Description
VpcId	String	The `ID` of a `VPC` instance, such as `vpc-6v2ht8q5`.
CidrBlock	String	The secondary CIDR, such as `172.16.0.0/16`.

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AssistantType	Integer	The secondary CIDR block type. 0: common secondary CIDR block. 1: container secondary CIDR block. Default: 0.
SubnetSet	Array of Subnet	Subnets divided by the secondary CIDR. Note: This field may return null, indicating that no valid values can be obtained.

BackupPolicy

Details of scheduled snapshot policy

Used by actions: CreateSnapshotPolicies, DescribeSnapshotPolicies, ModifySnapshotPolicies.

Name	Type	Required	Description
BackupDay	String	Yes	Scheduled backup day. Values: `monday`, `tuesday`, `wednesday`, `thursday`, `friday`, `saturday`, `sunday`.
BackupTime	String	Yes	Backup point in time. Format: HH:mm:ss.

BandwidthPackage

The structure of information of the bandwidth package.

Used by actions: DescribeBandwidthPackages.

Name	Type	Description
BandwidthPackageId	String	The unique ID of the bandwidth package.
NetworkType	String	Bandwidth package type. Values: `BGP`, `SINGLEISP`, `ANYCAST`, `SINGLEISP_CMCC`, `SINGLEISP_CTCC`, `SINGLEISP_CUCC`
ChargeType	String	The bandwidth package billing mode. Valid values: 'TOP5_POSTPAID_BY_MONTH' and 'PERCENT95_POSTPAID_BY_MONTH'
BandwidthPackageName	String	The name of the bandwidth package.
CreatedTime	Timestamp ISO8601	The creation time of the bandwidth package, which follows the `ISO8601` standard and uses `UTC` time in the format of `YYYY-MM-DDThh:mm:ssZ`.

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Status	String	The status of the bandwidth package. Valid values: 'CREATING', 'CREATED', 'DELETING', and 'DELETED'.
ResourceSet	Array of Resource	The resource information of the bandwidth package.
Bandwidth	Integer	The limit of the bandwidth package in Mbps. The value '-1' indicates there is no limit.
Egress	String	

BandwidthPackageBillBandwidth

Current billable usage of a pay-as-you-go bandwidth package

Used by actions: DescribeBandwidthPackageBillUsage.

Name	Type	Description
BandwidthUsage	Float	Current billable usage, in Mbps

BatchModifySnapshotPolicy

Modify attributes of a scheduled snapshot policy

Used by actions: ModifySnapshotPolicies.

Name	Type	Required	Description
SnapshotPolicyId	String	Yes	Snapshot policy IDs
SnapshotPolicyName	String	No	Snapshot policy name
BackupPolicies	Array of BackupPolicy	No	Backup policy
KeepTime	Integer	No	Snapshot retention period. Range: 1 to 365 days

CCN

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The CCN object

Used by actions: CreateCcn, DescribeCcns.

Name	Type	Description
CcnId	String	The unique ID of the CCN
CcnName	String	The name of the CCN
CcnDescription	String	The detailed information of the CCN
InstanceCount	Integer	The number of associated instances
CreateTime	Timestamp	The creation time
State	String	The instance status. 'ISOLATED': Being isolated (instance is in arrears and service is suspended). 'AVAILABLE': Operating.
QosLevel	String	The instance service quality. 'PT': Platinum , 'AU': Gold, 'AG': Silver.
InstanceChargeType	String	The billing method. POSTPAID indicates postpaid. Note: This field may return null, indicating that no valid values can be obtained.
BandwidthLimitType	String	The limit type. INTER_REGION_LIMIT is the limit between regions. OUTER_REGION_LIMIT is a region egress limit. Note: This field may return null, indicating no valid value.
TagSet	Array of Tag	Tag key-value pairs.
RoutePriorityFlag	Boolean	Whether the CCN route priority feature is supported. Valid values: False: do not support; True: support.
RouteTableCount	Integer	Number of route tables associated with the instance. Note: this field may return `null` , indicating that no valid values can be obtained.
RouteTableFlag	Boolean	Whether the multiple route tables feature is enabled for the CCN instance. Valid values: `False` : no; `True` : yes. Default value: `False` . Note: this field may return `null` , indicating that no valid values can be obtained.
IsSecurityLock	Boolean	

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RouteBroadcastPolicyFlag	Boolean	Status of CCN route broadcasting policy. Values: `False` (Disabled), `True` (Enabled) Note: This field may return `null`, indicating that no valid values can be obtained.

CcnAttachedInstance

The instance object associated with a CCN

Used by actions: DescribeCcnAttachedInstances.

Name	Type	Description
CcnId	String	The ID of a CCN instance.
InstanceType	String	The type of associated instances: • `VPC`: VPC • `DIRECTCONNECT`: Direct Connect • `BMVPC`: BM VPC
InstanceId	String	The ID of the associated instance.
InstanceName	String	The name of the associated instance.
InstanceRegion	String	The region to which the associated instance belongs, such as `ap-guangzhou`.
InstanceUin	String	The UIN (root account) to which the associated instance belongs.
CidrBlock	Array of String	The CIDR of the associated instance.
State	String	The status of the associated instance: • `PENDING`: In application • `ACTIVE`: Connected • `EXPIRED`: Expired • `REJECTED`: Rejected • `DELETED`: Deleted • `FAILED`: Failed (it will be asynchronously unbound after 2 hours) • `ATTACHING`: binding • `DETACHING`: Unbinding • `DETACHFAILED`: The unbinding failed (it will be asynchronously unbound after 2 hours)
AttachedTime	Timestamp	Association Time.

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CcnUin	String	The UIN (root account) to which the CCN belongs.
InstanceArea	String	General location of the associated instance, such as CHINA_MAINLAND.
Description	String	Description
RouteTableId	String	Route table ID Note: this field may return `null`, indicating that no valid values can be obtained.
RouteTableName	String	Route table name Note: this field may return `null`, indicating that no valid values can be obtained.

CcnBandwidthInfo

The information of the cross-region bandwidth limit for CCN instances.

Used by actions: GetCcnRegionBandwidthLimits.

Name	Type	Description
CcnId	String	The CCN ID that the bandwidth belongs to. Note: this field may return null, indicating that no valid value was found.
CreatedTime	String	The creation time of the instance. Note: this field may return null, indicating that no valid value was found.
ExpiredTime	String	The expiration time of the instance. Note: this field may return null, indicating that no valid value was found.
RegionFlowControlId	String	The unique ID of the bandwidth instance. Note: this field may return null, indicating that no valid value was found.
RenewFlag	String	The billing flag. Note: this field may return null, indicating that no valid value was found.
CcnRegionBandwidthLimit	CcnRegionBandwidthLimit	The information of the bandwidth regions and bandwidth caps. The parameter is only returned for the cross-region limit mode, but not for egress

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		limit. Note: this field may return null, indicating that no valid value was found.
MarketId	String	Cloud marketplace instance ID. Note: This field may return `null` , indicating that no valid values can be obtained.
TagSet	Array of Tag	The list of tags to be bound. Note: This field may return `null` , indicating that no valid values can be obtained.

CcnInstance

The instance object associated with a CCN.

Used by actions: AcceptAttachCcnInstances, AttachCcnInstances, DetachCcnInstances, ModifyCcnAttachedInstancesAttribute, RejectAttachCcnInstances, ResetAttachCcnInstances.

Name	Type	Required	Description
InstanceType	String	Yes	The type of the associated instance. Available values are: • `VPC` : VPC • `DIRECTCONNECT` : Direct Connect • `BMVPC` : BM VPC
InstanceId	String	Yes	The ID of the associated instance.
InstanceRegion	String	Yes	The region to which the associated instance ID belongs, such as `ap-guangzhou` .
Description	String	No	Description
RouteTableId	String	No	The ID of the route table associated with the instance Note: this field may return `null` , indicating that no valid values can be obtained.

CcnRegionBandwidthLimit

The outbound bandwidth cap of the CCN region

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Used by actions: DescribeCcnRegionBandwidthLimits, GetCcnRegionBandwidthLimits, SetCcnRegionBandwidthLimits.

Name	Type	Required	Description
Region	String	Yes	Region, such as `ap-guangzhou`
BandwidthLimit	Integer	Yes	The outbound bandwidth cap. Units: Mbps
IsBm	Boolean	No	Whether it is a BM region. The default is `false`.
DstRegion	String	No	The target region, such as `ap-shanghai` Note: This field may return null, indicating no valid value.
DstIsBm	Boolean	No	Whether the target region is a BM region. The default is `false`.

CcnRoute

The CCN routing policy object

Used by actions: DescribeCcnRoutes.

Name	Type	Description
RouteId	String	The ID of the routing policy
DestinationCidrBlock	String	Destination
InstanceType	String	The type of the next hop (associated instance type). Available types: VPC, DIRECTCONNECT
InstanceId	String	The next hop (associated instance)
InstanceName	String	The name of the next hop (associated instance name)
InstanceRegion	String	The region of the next hop (the region of the associated instance)
UpdateTime	Timestamp	Update Time
Enabled	Boolean	Whether the route is enabled
InstanceUin	String	The UIN (root account) to which the associated instance belongs
ExtraState	String	Additional status of the route
IsBgp	Boolean	Whether it is a dynamic route

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RoutePriority	Integer	Route priority
InstanceExtraName	String	Next hop port name (associated instance's port name)

CidrForCcn

Publishes the routing policy of the VPC subnet to CCN

Used by actions: CreateRouteTable, CreateRoutes, DescribeRouteTables.

Name	Type	Description
Cidr	String	Local CIDR block, including subnet CIDR block and secondary CIDR block Note: this field may return `null`, indicating that no valid values can be obtained.
PublishedToVbc	Boolean	Whether the routing policy of the VPC subnet is published to CCN. Note: this field may return `null`, indicating that no valid values can be obtained.

ClassicLinkInstance

Classiclink instance

Used by actions: DescribeClassicLinkInstances.

Name	Type	Description
VpcId	String	VPC instance ID
InstanceId	String	The unique ID of the CVM instance

ConflictItem

Conflict resource items.

Used by actions: CheckAssistantCidr.

Name	Type	Description
ConfilctId	String	Conflict resource ID

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DestinationItem	String	Conflict destination resource

ConflictSource

Conflict resource.

Used by actions: CheckAssistantCidr.

Name	Type	Description
ConflictSourceId	String	Conflict resource ID
SourceItem	String	Conflict resource
ConflictItemSet	Array of ConflictItem	Conflict resource items

CrossBorderCompliance

Compliance review request

Used by actions: DescribeCrossBorderCompliance.

Name	Type	Description
ServiceProvider	String	Service provider. Valid values: `UNICOM`.
ComplianceId	Integer	ID of compliance review request.
Company	String	Full company name.
UniformSocialCreditCode	String	Unified Social Credit Code.
LegalPerson	String	Legal person.
IssuingAuthority	String	Issuing authority.
BusinessLicense	String	Business license.
BusinessAddress	String	Business address.
PostCode	Integer	Zip code.
Manager	String	Operator.

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ManagerId	String	Operator ID card number.
ManagerIdCard	String	Operator ID card.
ManagerAddress	String	Operator address.
ManagerTelephone	String	Operator phone number.
Email	String	Email.
ServiceHandlingForm	String	Service handling form.
AuthorizationLetter	String	Authorization letter.
SafetyCommitment	String	Information security commitment.
ServiceStartDate	Date	Service start date.
ServiceEndDate	Date	Service end date.
State	String	Status. Valid values: `PENDING`, `APPROVED`, and `DENY`.
CreatedTime	Timestamp	Creation time of the review form.

CustomerGateway

Customer Gateway

Used by actions: CreateCustomerGateway, DescribeCustomerGateways.

Name	Type	Description
CustomerGatewayId	String	The unique ID of the customer gateway
CustomerGatewayName	String	Gateway Name
IpAddress	String	Public network address
CreatedTime	String	The creation time.

CustomerGatewayVendor

Customer gateway vendor information object.

Used by actions: DescribeCustomerGatewayVendors, DownloadCustomerGatewayConfiguration.

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Name	Type	Required	Description
Platform	String	Yes	Platform.
SoftwareVersion	String	Yes	Software version.
VendorName	String	Yes	Vendor name.

CvmInstance

A CVM instance.

Used by actions: DescribeVpcInstances.

Name	Type	Description
VpcId	String	VPC instance ID.
SubnetId	String	Subnet instance ID.
InstanceId	String	CVM instance ID.
InstanceName	String	CVM Name
InstanceState	String	CVM status.
CPU	Integer	Number of CPU cores in an instance (in core).
Memory	Integer	Instance’s memory capacity. Unit: GB.
CreatedTime	String	The creation time.
InstanceType	String	Instance type.
EniLimit	Integer	Instance ENI quota (including primary ENIs).
EniIpLimit	Integer	Private IP quoata for instance ENIs (including primary ENIs).
InstanceEniCount	Integer	The number of ENIs (including primary ENIs) bound to a instance.

DefaultVpcSubnet

Default VPC and subnet

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Used by actions: CreateDefaultVpc.

Name	Type	Description
VpcId	String	Default VPC ID
SubnetId	String	Default subnet ID
VpcName	String	Default VPC name
SubnetName	String	Default subnet name
CidrBlock	String	Default subnet IP range

DestinationIpPortTranslationNatRule

The port forwarding rules of the NAT gateway

Used by actions: CreateNatGateway, CreateNatGatewayDestinationIpPortTranslationNatRule, DeleteNatGatewayDestinationIpPortTranslationNatRule, DescribeNatGateways, ModifyNatGatewayDestinationIpPortTranslationNatRule.

Name	Type	Required	Description
IpProtocol	String	Yes	Network protocol. Valid values: `TCP` , `UDP` .
PublicIpAddress	String	Yes	EIP.
PublicPort	Integer	Yes	Public network port.
PrivateIpAddress	String	Yes	Private network address.
PrivatePort	Integer	Yes	Private network port.
Description	String	No	Description of NAT gateway forwarding rules.

DirectConnectGateway

Direct Connect gateway object.

Used by actions: CreateDirectConnectGateway, DescribeDirectConnectGateways.

Name	Type	Description

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DirectConnectGatewayId	String	Direct Connect `ID` .
DirectConnectGatewayName	String	Direct Connect gateway name.
VpcId	String	The `ID` of the `VPC` instance associated with the Direct Connect gateway.
NetworkType	String	The associated network type: • `VPC` - VPC • `CCN` - CCN
NetworkInstanceId	String	The `ID` of the associated network instance: • When the NetworkType is `VPC` , this value is the VPC instance `ID` • When the NetworkType is `CCN` , this value is the CCN instance `ID`
GatewayType	String	Gateway type: • NORMAL - Standard type. Note: CCN only supports the standard type • NAT - NAT type NAT type supports network address switch configuration. After the type is confirmed, it cannot be modified. A VPC can create one NAT-type Direct Connect gateway and one non-NAT-type Direct Connect gateway
CreateTime	Timestamp	Creation Time.
DirectConnectGatewayIp	String	Direct Connect gateway IP.
CcnId	String	The `ID` of the `CCN` instance associated with the Direct Connect gateway.
CcnRouteType	String	The route-learning type of the CCN: • `BGP` - Automatic learning. • `STATIC` - Static, that is, user-configured.
EnableBGP	Boolean	Whether BGP is enabled.
EnableBGPCommunity	Boolean	Whether to enable BGP's `community` attribute. Valid values: enable, disable
NatGatewayId	String	ID of the NAT gateway bound. Note: this field may return `null` , indicating that no valid value was found.

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VXLANSupport	Array of Boolean	Whether the direct connect gateway supports the VXLAN architecture. Note: this field may return `null`, indicating that no valid values can be obtained.
ModeType	String	CCN route publishing mode. Valid values: `standard` and `exquisite`. Note: this field may return `null`, indicating that no valid values can be obtained.
LocalZone	Boolean	Whether the direct connect gateway is for an edge zone. Note: this field may return `null`, indicating that no valid values can be obtained.
Zone	String	Availability zone where the direct connect gateway resides. Note: this field may return `null`, indicating that no valid values can be obtained.
EnableFlowDetails	Integer	The status of gateway traffic monitoring 0: disable 1: enable Note: this field may return `null`, indicating that no valid values can be obtained.
FlowDetailsUpdateTime	String	The last time when the gateway traffic monitoring is enabled/disabled Note: this field may return `null`, indicating that no valid values can be obtained.
NewAfc	Integer	Whether gateway traffic monitoring is supported 0: No 1: Yes Note: this field may return `null`, indicating that no valid values can be found.
AccessNetworkType	String	Direct connect gateway access network types: • `VXLAN` - VXLAN type. • `MPLS` - MPLS type. • `Hybrid` - Hybrid type. Note: this field may return `null`, indicating that no valid values can be found.
HaZoneList	Array of String	AZ list of direct connect gateway with cross-AZ placement groups

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		Note: this field may return `null`, indicating that no valid values can be found.

DirectConnectGatewayCcnRoute

The object of the CCN route (IDC IP range) of the Direct Connect gateway

Used by actions: CreateDirectConnectGatewayCcnRoutes, DescribeDirectConnectGatewayCcnRoutes, ReplaceDirectConnectGatewayCcnRoutes.

Name	Type	Required	Description
RouteId	String	No	Route ID.
DestinationCidrBlock	String	No	IDC IP range.
ASPath	Array of String	No	The `AS-Path` attribute of `BGP`.
Description	String	No	Remarks
UpdateTime	String	No	Last updated time

DirectConnectSubnet

IDC subnet information

Used by actions: RefreshDirectConnectGatewayRouteToNatGateway.

Name	Type	Description
DirectConnectGatewayId	String	The direct connect gateway ID.
CidrBlock	String	IDC subnet IP range

EndPoint

Endpoint details

Used by actions: CreateVpcEndPoint, CreateVpcEndPointService, DescribeVpcEndPoint, DescribeVpcEndPointService.

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Name	Type	Description
EndPointId	String	Endpoint ID
VpcId	String	VPC ID
SubnetId	String	Subnet ID
EndPointOwner	String	APP ID
EndPointName	String	Endpoint name
ServiceVpcId	String	Endpoint service VPC ID
ServiceVip	String	Endpoint service VIP
EndPointServiceId	String	Endpoint service ID
EndPointVip	String	Endpoint VIP
State	String	Endpoint status. Valid values: `ACTIVE` (available), `PENDING` (to be accepted), `ACCEPTING` (being accepted), `REJECTED` (rejected), and `FAILED` (failed).
CreateTime	String	Creation time
GroupSet	Array of String	ID list of security group instances bound with endpoints
ServiceName	String	Endpoint service name Note: this field may return `null` , indicating that no valid values can be obtained.

EndPointService

Endpoint service

Used by actions: CreateVpcEndPointService, DescribeVpcEndPointService.

Name	Type	Description
EndPointServiceId	String	Endpoint service ID
VpcId	String	VPC ID

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ServiceOwner	String	APP ID
ServiceName	String	Endpoint service name
ServiceVip	String	Real server VIP
ServiceInstanceId	String	Real server ID in the format of `lb-xxx` .
AutoAcceptFlag	Boolean	Whether to automatically accept
EndPointCount	Integer	Number of associated endpoints Note: this field may return `null` , indicating that no valid values can be obtained.
EndPointSet	Array of EndPoint	Array of endpoints Note: this field may return `null` , indicating that no valid values can be obtained.
CreateTime	String	Creation time
ServiceType	String	Mounted PaaS service type. Values: `CLB` , `CDB` , `CRS`

Filter

Filter

Used by actions: DescribeAddressTemplateGroups, DescribeAddressTemplates, DescribeAddresses, DescribeAssistantCidr, DescribeBandwidthPackageResources, DescribeBandwidthPackages, DescribeCcnAttachedInstances, DescribeCcnRoutes, DescribeCcns, DescribeCustomerGateways, DescribeDirectConnectGateways, DescribeFlowLogs, DescribeHaVips, DescribeIPv6Addresses, DescribeIp6Addresses, DescribeLocalGateway, DescribeNatGatewayDestinationIpPortTranslationNatRules, DescribeNatGatewaySourceIpTranslationNatRules, DescribeNatGateways, DescribeNetDetectStates, DescribeNetDetects, DescribeNetworkAclQuintupleEntries, DescribeNetworkAcls, DescribeNetworkInterfaces, DescribeReserveIpAddresses, DescribeRouteTables, DescribeSecurityGroupPolicies, DescribeSecurityGroups, DescribeServiceTemplateGroups, DescribeServiceTemplates, DescribeSnapshotAttachedInstances, DescribeSnapshotPolicies, DescribeSubnets, DescribeTrafficPackages, DescribeVpcEndPoint, DescribeVpcEndPointService, DescribeVpcEndPointServiceWhiteList, DescribeVpcInstances, DescribeVpcs, DescribeVpnConnections, DescribeVpnGatewayRoutes, GetCcnRegionBandwidthLimits.

Name	Type	Required	Description
Name	String	Yes	The attribute name. If more than one Filter exists, the logical relation between these Filters is `AND` .

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Values	Array of String	Yes	Attribute value. If multiple values exist in one filter, the logical relationship between these values is `OR`. For a `bool` parameter, the valid values include `TRUE` and `FALSE`.

FilterObject

Filter key-value pair

Used by actions: DescribeClassicLinkInstances, DescribeVpnGateways.

Name	Type	Required	Description
Name	String	Yes	The attribute name. If more than one Filter exists, the logical relation between these Filters is `AND`.
Values	Array of String	Yes	The attribute value. If there are multiple Values for one Filter, the logical relation between these Values under the same Filter is `OR`.

FlowLog

Flow Log

Used by actions: CreateFlowLog, DescribeFlowLog, DescribeFlowLogs.

Name	Type	Description
VpcId	String	ID of the VPC instance.
FlowLogId	String	The unique ID of the flow log.
FlowLogName	String	The name of the flow log instance.
ResourceType	String	The type of resource associated with the flow log. Valid values: `VPC`, `SUBNET`, `NETWORKINTERFACE`, `CCN`, `NAT`, and `DCG`.
ResourceId	String	The unique ID of the resource
TrafficType	String	Type of flow logs to be collected. Valid values: `ACCEPT`, `REJECT` and `ALL`.
CloudLogId	String	The storage ID of the flow log

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CloudLogState	String	Flow log storage ID status.
FlowLogDescription	String	The flow log description.
CreatedTime	String	The creation time of the flow log.
TagSet	Array of Tag	Tag list, such as [{"Key": "city", "Value": "shanghai"}].
Enable	Boolean	Whether to enable. `true` : yes; `false` : no.
StorageType	String	Consumer end types: cls and ckafka Note: this field may return `null` , indicating that no valid value can be found.
FlowLogStorage	FlowLogStorage	Information of the consumer, which is returned when the consumer type is `ckafka` . Note: this field may return `null` , indicating that no valid value can be found.
CloudLogRegion	String	The region corresponding to the flow log storage ID. Note: This field may return `null` , indicating that no valid values can be obtained.

FlowLogStorage

Flow log storage information

Used by actions: CreateFlowLog, DescribeFlowLog, DescribeFlowLogs.

Name	Type	Required	Description
StorageId	String	Yes	Storage instance ID, which is required when `StorageType` is `ckafka` .
StorageTopic	String	No	Topic ID, which is required when `StorageType` is `ckafka` . Note: this field may return `null` , indicating that no valid value can be found.

GatewayFlowMonitorDetail

The gateway traffic monitoring details

Used by actions: DescribeGatewayFlowMonitorDetail.

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Name	Type	Description
PrivateIpAddress	String	Origin `IP` .
InPkg	Integer	Inbound packets.
OutPkg	Integer	Outbound packets.
InTraffic	Integer	Inbound traffic, in Byte.
OutTraffic	Integer	Outbound traffic, in Byte.

GatewayQos

Information of the gateway bandwidth limit

Used by actions: DescribeGatewayFlowQos.

Name	Type	Description
VpcId	String	VPC instance ID.
IpAddress	String	CVM Private IP.
Bandwidth	Integer	Bandwidth limit value.
CreateTime	String	Creation time.

HaVip

HAVIP description information

Used by actions: CreateHaVip, DescribeHaVips.

Name	Type	Description
HaVipId	String	The `ID` of the `HAVIP` . This is the unique identifier of the `HAVIP` .
HaVipName	String	The name of the `HAVIP` .
Vip	String	The virtual IP address.
VpcId	String	The `ID` of the VPC to which the `HAVIP` belongs.

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SubnetId	String	The `ID` of the subnet to which the `HAVIP` belongs.
NetworkInterfaceId	String	The `ID` of the ENI associated with the `HAVIP` .
InstanceId	String	The `ID` of the bound instance.
AddressIp	String	Bound `EIP` .
State	String	Status: • `AVAILABLE` : Operating • `UNBIND` : Not bound
CreatedTime	Timestamp	Creation Time.
Business	String	Identifier for businesses that use HAVIP.

IKEOptionsSpecification

Internet Key Exchange (IKE) configuration. IKE has a self-protection mechanism. The network security protocol is configured by the user.

Used by actions: CreateVpnConnection, DescribeVpnConnections, ModifyVpnConnectionAttribute.

Name	Type	Required	Description
PropoEncryAlgorithm	String	No	Encryption algorithm. Valid values: `3DES-CBC` , `AES-CBC-128` , `AES-CBS-192` , `AES-CBC-256` , `DES-CBC` , and `SM4` ; default value: `3DES-CBC` .
PropoAuthenAlgorithm	String	No	Authentication algorithm. Valid values: `MD5` , `SHA1` and `SHA-256` ; default value: `MD5` .
ExchangeMode	String	No	Negotiation mode. Available values: 'AGGRESSIVE' and 'MAIN'. Default is MAIN.
LocalIdentity	String	No	Type of local identity. Available values: 'ADDRESS' and 'FQDN'. Default is ADDRESS.
RemoteIdentity	String	No	Type of remote identity. Available values: 'ADDRESS' and 'FQDN'. Default is ADDRESS.
LocalAddress	String	No	Local identity. When ADDRESS is selected for LocalIdentity, LocalAddress is required. The default LocalAddress is the public IP of the VPN gateway.

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RemoteAddress	String	No	Remote identity. When ADDRESS is selected for RemoteIdentity, RemoteAddress is required.
LocalFqdnName	String	No	Local identity. When FQDN is selected for LocalIdentity, LocalFqdnName is required.
RemoteFqdnName	String	No	Remote identity. When FQDN is selected for RemoteIdentity, RemoteFqdnName is required.
DhGroupName	String	No	DH group. Specify the DH group used for exchanging the key via IKE. Available values: 'GROUP1', 'GROUP2', 'GROUP5', 'GROUP14', and 'GROUP24'.
IKESaLifetimeSeconds	Integer	No	IKE SA lifetime (in sec). Value range: 60-604800
IKEVersion	String	No	IKE version

IPSECOptionsSpecification

IPSec configuration. The IPSec secure session configuration is provided by Tencent Cloud.

Used by actions: CreateVpnConnection, DescribeVpnConnections, ModifyVpnConnectionAttribute.

Name	Type	Required	Description
EncryptAlgorithm	String	No	Encryption algorithm. Valid values: `3DES-CBC`, `AES-CBC-128`, `AES-CBC-192`, `AES-CBC-256`, `DES-CBC`, `SM4`, and `NULL`; default value: `AES-CBC-128`.
IPSECSaLifetimeSeconds	Integer	No	IPsec SA lifetime (in sec). Value range: 180-604800
PfsDhGroup	String	No	PFS. Available value: 'NULL', 'DH-GROUP1', 'DH-GROUP2', 'DH-GROUP5', 'DH-GROUP14', and 'DH-GROUP24'. Default is NULL.
IPSECSaLifetimeTraffic	Integer	No	IPsec SA lifetime (in KB). Value range: 2560-604800

InstanceChargePrepaid

Prepaid (monthly subscription) billing object.

Used by actions: CreateVpnGateway, InquiryPriceRenewVpnGateway, RenewVpnGateway.

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Name	Type	Required	Description
Period	Integer	Yes	Purchased usage period (in month). Value range: [1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 24, 36].
RenewFlag	String	No	Auto-renewal ID. Value range: NOTIFY_AND_AUTO_RENEW: notify expiry and renew automatically, NOTIFY_AND_MANUAL_RENEW: notify expiry but do not renew automatically. The default is NOTIFY_AND_MANUAL_RENEW

InstanceJumbo

Cloud virtual machine jumbo frame status.

Used by actions: DescribeInstanceJumbo.

Name	Type	Description
InstanceId	String	Instance ID.
JumboState	Boolean	Whether the instance supports jumbo frames.

InstanceStatistic

Statistics used to describe the instance

Used by actions: DescribeSecurityGroupAssociationStatistics.

Name	Type	Description
InstanceType	String	Type of instance
InstanceCount	Integer	Number of instances

InternetPrice

Public Network Inquiry Output Parameters

Used by actions: InquiryPriceAllocateAddresses, InquiryPriceModifyAddressesBandwidth, InquiryPriceRenewAddresses.

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Name	Type	Description
AddressPrice	InternetPriceDetail	Detailed parameters of Public IP inquiry.

InternetPriceDetail

Public IP Inquiry Output Parameters

Used by actions: InquiryPriceAllocateAddresses, InquiryPriceModifyAddressesBandwidth, InquiryPriceRenewAddresses.

Name	Type	Description
UnitPrice	Float	Postpaid unit price. Unit: USD. Returned only for postpaid price inquiry.
DiscountPrice	Float	Discounted price. Unit: USD Note: This field may return null, indicating that no valid value was found.
ChargeUnit	String	Billing unit. Valid values: • HOUR: Indicates that the billing unit is calculated hourly. The scenarios currently involving this billing unit include TRAFFIC_POSTPAID_BY_HOUR and BANDWIDTH_POSTPAID_BY_HOUR. Note: This field may return null, indicating that no valid value was found.
OriginalPrice	Float	Original price. Unit: CNY. Returned only for prepaid price inquiry.

IpAddressStates

Information of resources bound with the queried IPs

Used by actions: DescribeUsedIpAddress.

Name	Type	Description
VpcId	String	VPC instance ID
SubnetId	String	Subnet instance ID
IpAddress	String	IP address
ResourceType	String	Resource type

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ResourceId	String	Resource ID

IpField

IP information to be queried

Used by actions: DescribeIpGeolocationInfos.

Name	Type	Required	Description
Country	Boolean	No	Country/region of the IP
Province	Boolean	No	Province/municipality/state of the IP
City	Boolean	No	City of the IP
Region	Boolean	No	City district of the IP
Isp	Boolean	No	Access ISP field
AsName	Boolean	No	ISP backbone network's AS field
AsId	Boolean	No	Backbone AS ID
Comment	Boolean	No	Comment

IpGeolocationInfo

IP location

Used by actions: DescribeIpGeolocationInfos.

Name	Type	Description
Country	String	Country/region Note: this field may return `null`, indicating that no valid values can be obtained.
Province	String	Province- or municipality-level administrative region Note: this field may return `null`, indicating that no valid values can be obtained.
City	String	Municipal administrative region Note: this field may return `null`, indicating that no valid values can be obtained.
Region	String	Urban area

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		Note: this field may return `null` , indicating that no valid values can be obtained.
Isp	String	Access ISP Note: this field may return `null` , indicating that no valid values can be obtained.
AsName	String	ISP backbone network's AS name Note: this field may return `null` , indicating that no valid values can be obtained.
AsId	String	ISP backbone network's AS ID Note: this field may return `null` , indicating that no valid values can be obtained.
Comment	String	Comment. The APN value of mobile users is entered currently. If there is no APN attribute, this is `null` . Note: this field may return `null` , indicating that no valid values can be obtained.
AddressIp	String	IP address Note: this field may return `null` , indicating that no valid values can be obtained.

Ipv6Address

`IPv6` address information.

Used by actions: AssignIpv6Addresses, CreateAndAttachNetworkInterface, CreateNetworkInterface, DescribeNetworkInterfaces, ModifyIpv6AddressesAttribute, UnassignIpv6Addresses.

Name	Type	Required	Description
Address	String	Yes	`IPv6` address, such as `3402:4e00:20:100:0:8cd9:2a67:71f3`
Primary	Boolean	No	Whether it is a primary `IP` .
AddressId	String	No	The `ID` of the `EIP` instance, such as `eip-hxlqja90` .
Description	String	No	Message description
IsWanIpBlocked	Boolean	No	Whether the public IP is blocked.
State	String	No	`IPv6` address status: • `PENDING` : Creating • `MIGRATING` : Migrating • `DELETING` : Deleting • `AVAILABLE` : Available

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Ipv6SubnetCidrBlock

IPv6 subnet IP range object.

Used by actions: AssignIpv6SubnetCidrBlock, UnassignIpv6SubnetCidrBlock.

Name	Type	Required	Description
SubnetId	String	Yes	The `ID` of the subnet instance, such as `subnet-pxir56ns`.
Ipv6CidrBlock	String	No	The `IPv6` subnet IP range, such as `3402:4e00:20:1001::/64`

ItemPrice

The pricing information of a single billing item

Used by actions: InquiryPriceRenewVpnGateway, InquiryPriceResetVpnGatewayInternetMaxBandwidth.

Name	Type	Description
UnitPrice	Float	The pay-as-you-go billing method. Unit: CNY.
ChargeUnit	String	Pay-as-you-go billing method. Value Range: HOUR: Indicates billing by the hour. Scenarios using this hourly billing unit include: Instances postpaid on an hourly basis (POSTPAID_BY_HOUR), and bandwidth postpaid on an hourly basis (BANDWIDTH_POSTPAID_BY_HOUR). GB: Indicates billing on a per-GB basis. Scenarios using this billing unit include: Traffic postpaid on an hourly basis (TRAFFIC_POSTPAID_BY_HOUR).
OriginalPrice	Float	Original price of the prepaid product. Unit: CNY.
DiscountPrice	Float	Discount price of the prepaid product. Unit: CNY.

LocalGateway

Local gateway information

Used by actions: CreateLocalGateway, DescribeLocalGateway.

Name	Type	Description
CdcId	String	CDC instance ID

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VpcId	String	VPC instance ID
UniqLocalGwId	String	Local gateway instance ID
LocalGatewayName	String	Local gateway name
LocalGwIp	String	Local gateway IP
CreateTime	String	Creation time of the local gateway

MemberInfo

Parameter template information.

Used by actions: AddTemplateMember, DeleteTemplateMember, ModifyTemplateMember.

Name	Type	Required	Description
Member	String	Yes	Parameter template.
Description	String	No	Parameter template description.

NatDirectConnectGatewayRoute

Query the returned object of a NAT route

Used by actions: DescribeNatGatewayDirectConnectGatewayRoute.

Name	Type	Description
DestinationCidrBlock	String	The `IPv4` `CIDR` of the subnet.
GatewayType	String	The type of the next-hop gateway. Supported types: `DIRECTCONNECT` : Direct connect gateway
GatewayId	String	ID of the next-hop gateway
CreateTime	Timestamp	The creation time of the route
UpdateTime	Timestamp	The update time of the route

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NatGateway

NAT gateway object.

Used by actions: CreateNatGateway, DescribeNatGateways.

Name	Type	Description
NatGatewayId	String	NAT gateway ID.
NatGatewayName	String	NAT gateway name.
CreatedTime	String	NAT gateway creation time.
State	String	The status of the NAT gateway. `PENDING` : Being created, `DELETING` : Being deleted, `AVAILABLE` : Running, `UPDATING` : Being upgraded, `FAILED` : Failed.
InternetMaxBandwidthOut	Integer	The maximum outbound bandwidth of the gateway. Unit: Mbps.
MaxConcurrentConnection	Integer	The concurrent connections cap of the gateway.
PublicIpAddressSet	Array of NatGatewayAddress	The public IP object array of the bound NAT gateway.
NetworkState	String	The NAT gateway status. `AVAILABLE` : Operating, `UNAVAILABLE` : Unavailable, `INSUFFICIENT` : Service suspended due to account overdue.

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DestinationIpPortTranslationNatRuleSet	Array of DestinationIpPortTranslationNatRule	The port forwarding rules of the NAT gateway.
VpcId	String	VPC instance ID.
Zone	String	The availability zone in which the NAT gateway is located.
DirectConnectGatewayIds	Array of String	ID of the direct connect gateway bound. Note: This field may return `null`, indicating that no valid values can be obtained.
SubnetId	String	Subnet ID. Note: This field may return `null`, indicating that no valid values can be obtained.
TagSet	Array of Tag	Tag key-value pairs.
SecurityGroupSet	Array of String	The list of the security groups bound to the NAT Gateway Note: This field may return `null`, indicating that no valid values can be obtained.
SourceIpTranslationNatRuleSet	Array of SourceIpTranslationNatRule	SNAT forwarding rule of the NAT gateway. Note: This field may return `null`, indicating that no valid values can be obtained.
IsExclusive	Boolean	Whether the NAT gateway is dedicated. Note: This field may return `null`, indicating that no valid values can be obtained.
ExclusiveGatewayBandwidth	Integer	Bandwidth of the gateway

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		cluster where the dedicated NAT Gateway resides. Unit: Mbps. This field does not exist when the `IsExclusive` field is set to `false`. Note: This field may return `null`, indicating that no valid values can be obtained.
RestrictState	String	Whether the NAT gateway is blocked. Values: `NORMAL`, `RESTRICTED` Note: This field may return null, indicating that no valid values can be obtained.
NatProductVersion	Integer	NAT gateway major version. `1`: Classic, `2`: Standard Note: This field may return null, indicating that no valid values can be obtained.
SmartScheduleMode	Boolean	

NatGatewayAddress

The EIP bound to the NAT gateway

Used by actions: CreateNatGateway, DescribeNatGateways.

Name	Type	Description
AddressId	String	The unique ID of the Elastic IP (EIP), such as `eip-11112222`.
PublicIpAddress	String	The public IP address, such as `123.121.34.33`.
IsBlocked	Boolean	The block status of the resource. `true` indicates the EIP is blocked. `false` indicates that the EIP is not blocked.

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NatGatewayDestinationIpPortTranslationNatRule

The port forwarding rules of the NAT gateway

Used by actions: DescribeNatGatewayDestinationIpPortTranslationNatRules.

Name	Type	Description
IpProtocol	String	Network protocol. Available choices: `TCP` , `UDP` .
PublicIpAddress	String	EIP.
PublicPort	Integer	Public port.
PrivateIpAddress	String	Private IP.
PrivatePort	Integer	Private port.
Description	String	NAT gateway forwarding rule description.
NatGatewayId	String	NAT gateway ID. Note: This field may return `null` , indicating that no valid values can be obtained.
VpcId	String	VPC ID. Note: This field may return `null` , indicating that no valid values can be obtained.
CreatedTime	String	The creation time of the NAT gateway forwarding rule. Note: This field may return `null` , indicating that no valid values can be obtained.

NetDetect

The network detection object.

Used by actions: CreateNetDetect, DescribeNetDetects.

Name	Type	Description
VpcId	String	The ID of a VPC instance, such as `vpc-12345678` .
VpcName	String	The name of a VPC instance.
SubnetId	String	The ID of a subnet instance, such as subnet-12345678.

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SubnetName	String	The name of a subnet instance.
NetDetectId	String	The ID of a network detection instance, such as netd-12345678.
NetDetectName	String	The name of a network detection instance. The maximum length is 60 characters.
DetectDestinationIp	Array of String	The array of detection destination IPv4 addresses, which contains at most two IP addresses.
DetectSourceIp	Array of String	The array of detection source IPv4 addresses automatically allocated by the system. The length is 2.
NextHopType	String	Type of the next hop. Currently supported types are: VPN: VPN gateway; `DIRECTCONNECT` : Direct connect gateway; `PEERCONNECTION` : Peering connection; `NAT` : NAT gateway; `NORMAL_CVM` : CVM instance; `CCN` : CCN instance; `NONEXTHOP` : No next hop.
NextHopDestination	String	ID of the next-hop gateway. If NextHopType is set to VPN, the value of this parameter is the VPN gateway ID, such as vpngw-12345678. `NextHopType = DIRECTCONNECT` : Direct connect gateway ID, such as `dcg-12345678` . `NextHopType = PEERCONNECTION` : Peering connection ID, such as `pcx-12345678` . `NextHopType = NAT` : NAT gateway ID, such as `nat-12345678` . If NextHopType is set to NORMAL_CVM, the value of this parameter is the IPv4 address of the CVM, such as 10.0.0.12. `NextHopType = CCN` : CCN instance ID, such as `ccn-12345678` . `NextHopType = NONEXTHOP` : No next hop.
NextHopName	String	The name of the next-hop gateway. Note: This field may return null, indicating that no valid values can be obtained.
NetDetectDescription	String	Network detection description. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	Timestamp	The creation time.

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		Note: This field may return null, indicating that no valid values can be obtained.

NetDetectIpState

The verification result of the network detection destination IP address.

Used by actions: CheckNetDetectState, DescribeNetDetectStates.

Name	Type	Description
DetectDestinationIp	String	The destination IPv4 address of network detection.
State	Integer	The detection result. 0: successful; -1: no packet loss occurred during routing; -2: packet loss occurred when outbound traffic is blocked by the ACL; -3: packet loss occurred when inbound traffic is blocked by the ACL; -4: other errors.
Delay	Integer	The latency. Unit: ms.
PacketLossRate	Integer	The packet loss rate.

NetDetectState

The network detection verification result.

Used by actions: DescribeNetDetectStates.

Name	Type	Description
NetDetectId	String	The ID of a network detection instance, such as netd-12345678.
NetDetectIpStateSet	Array of NetDetectIpState	The array of network detection destination IP verification results.

NetworkAcl

Network ACL

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Used by actions: CreateNetworkAcl, DescribeNetworkAcls.

Name	Type	Description
VpcId	String	`ID` of the `VPC` instance.
NetworkAclId	String	`ID` of the network ACL instance.
NetworkAclName	String	Name of the network ACL. The maximum length is 60 bytes.
CreatedTime	String	Creation time.
SubnetSet	Array of Subnet	Array of subnets associated with the network ACL.
IngressEntries	Array of NetworkAclEntry	Inbound rules of the network ACL.
EgressEntries	Array of NetworkAclEntry	Outbound rules of the network ACL.
NetworkAclType	String	Network ACL type. Valid values: `TRIPLE` and `QUINTUPLE`.
TagSet	Array of Tag	Tag key-value pairs

NetworkAclEntry

Network ACL rules.

Used by actions: CreateNetworkAcl, DescribeNetworkAcls, ModifyNetworkAclEntries.

Name	Type	Required	Description
Protocol	String	No	Protocol. Valid values: TCP, UDP, ICMP, ALL.
Port	String	No	Port. Valid values: all, single port, range. When Protocol takes the value `ALL` or `ICMP`, Port cannot be specified.
CidrBlock	String	No	IP range or IP address (mutually exclusive).
Ipv6CidrBlock	String	No	CIDR block or IPv6 address (mutually exclusive).
Action	String	No	ACCEPT or DROP.
Description	String	No	Rule description, which is up to 100 bytes.

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ModifyTime	String	No	Modification time.

NetworkAclEntrySet

Network ACL rule set

Used by actions: ModifyNetworkAclEntries.

Name	Type	Required	Description
Ingress	Array of NetworkAclEntry	No	Inbound rules.
Egress	Array of NetworkAclEntry	No	Outbound rules.

NetworkAclQuintupleEntries

Network ACL quintuple

Used by actions: CreateNetworkAclQuintupleEntries, DeleteNetworkAclQuintupleEntries, ModifyNetworkAclEntries, ModifyNetworkAclQuintupleEntries.

Name	Type	Required	Description
Ingress	Array of NetworkAclQuintupleEntry	No	Network ACL quintuple inbound rule.
Egress	Array of NetworkAclQuintupleEntry	No	Network ACL quintuple outbound rule.

NetworkAclQuintupleEntry

Network ACL quintuple entry

Used by actions: CreateNetworkAclQuintupleEntries, DeleteNetworkAclQuintupleEntries, DescribeNetworkAclQuintupleEntries, ModifyNetworkAclEntries, ModifyNetworkAclQuintupleEntries.

Name	Type	Required	Description
Protocol	String	No	Protocol. Valid values: `TCP` , `UDP` , `ICMP` , `ALL` .
Description	String	No	Description

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SourcePort	String	No	Source port. Valid values: all, single port, range. When `Protocol` is `ALL` or `ICMP`, `Port` cannot be specified.
SourceCidr	String	No	Source CIDR block.
DestinationPort	String	No	Destination port. Valid values: all, single port, range. When `Protocol` is `ALL` or `ICMP`, `Port` cannot be specified.
DestinationCidr	String	No	Destination CIDR block.
Action	String	No	Action. Valid values: `ACCEPT` and `DROP`.
NetworkAclQuintupleEntryId	String	No	Unique ID of a network ACL entry.
Priority	Integer	No	Priority. `1` refers to the highest priority.
CreateTime	String	No	Creation time. It's returned by `DescribeNetworkAclQuintupleEntries`.
NetworkAclDirection	String	No	Direction of the rule. It's returned by `DescribeNetworkAclQuintupleEntries`. Valid values: `INGRESS` and `EGRESS`.

NetworkInterface

ENI

Used by actions: CreateAndAttachNetworkInterface, CreateNetworkInterface, DescribeNetworkInterfaces.

Name	Type	Required	Description
NetworkInterfaceId	String	No	The ID of the ENI instance, such as `eni-f1xjkw1b`.
NetworkInterfaceName	String	No	ENI Name
NetworkInterfaceDescription	String	No	ENI description.
SubnetId	String	No	Subnet instance ID.
VpcId	String	No	VPC instance ID.
GroupSet	Array of String	No	Bound security group.

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Primary	Boolean	No	Whether it is the primary ENI.
MacAddress	String	No	MAC address
State	String	No	ENI status: • `PENDING` : Creating • `AVAILABLE` : Available • `ATTACHING` : Binding • `DETACHING` : Unbinding • `DELETING` : Deleting
PrivateIpAddressSet	Array of PrivateIpAddressSpecification	No	Private IP information.
Attachment	NetworkInterfaceAttachment	No	Bound CVM object. Note: This field may return null, indicating no valid value.
Zone	String	No	Availability Zone.
CreatedTime	String	No	Creation Time.
Ipv6AddressSet	Array of Ipv6Address	No	The `IPv6` address list.
TagSet	Array of Tag	No	Tag key-value pair.
EniType	Integer	No	The ENI type. 0: ENI. 1: EVM ENI.
Business	String	No	Type of the resource bound with an ENI. Valid values: cvm, eks. Note: this field may return `null` , indicating that no valid values can be obtained.
CdcId	String	No	ID of the CDC instance associated with the ENI Note: this field may return `null` , indicating that no valid values can be obtained.
AttachType	Integer	No	ENI type. Valid values: `0` (standard); `1` (extension). Default value: `0` . Note: this field may return

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			`null` , indicating that no valid values can be obtained.
ResourceId	String	No	The ID of resource to retain the ENI primary IP. It's used as the request parameters for deleting an ENI. Note: This field may return `null` , indicating that no valid values can be obtained.
QosLevel	String	No	Service level • `DEFAULT` : Default level • `PT` : Gold • `AU` : Silver • `AG` : Bronze Note: This field may return `null` , indicating that no valid values can be obtained.

NetworkInterfaceAttachment

Binding relationship of the ENI

Used by actions: CreateAndAttachNetworkInterface, CreateNetworkInterface, DescribeNetworkInterfaces.

Name	Type	Required	Description
InstanceId	String	No	CVM instance ID.
DeviceIndex	Integer	No	The serial number of ENI in the CVM instance.
InstanceAccountId	String	No	The account information of the CVM owner.
AttachTime	String	No	Binding time

Price

Price

Used by actions: InquiryPriceRenewVpnGateway, InquiryPriceResetVpnGatewayInternetMaxBandwidth.

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Name	Type	Description
InstancePrice	ItemPrice	Instance price.
BandwidthPrice	ItemPrice	Bandwidth price

PrivateIpAddressSpecification

Private IP information

Used by actions: AssignPrivateIpAddresses, CreateAndAttachNetworkInterface, CreateNetworkInterface, DescribeNetworkInterfaces, ModifyPrivateIpAddressesAttribute, UnassignPrivateIpAddresses.

Name	Type	Required	Description
PrivateIpAddress	String	Yes	Private IP address.
Primary	Boolean	No	Whether it is a primary IP.
PublicIpAddress	String	No	Public IP address.
AddressId	String	No	EIP instance ID, such as `eip-11112222` .
Description	String	No	Private IP description.
IsWanIpBlocked	Boolean	No	Whether the public IP is blocked.
State	String	No	IP status: PENDING: Creating MIGRATING: Migrating DELETING: Deleting AVAILABLE: Available
QosLevel	String	No	IP service level. Values: PT `(Gold),` AU `(Silver),` AG `(Bronze) and DEFAULT` (Default).

Quota

Quota description information

Used by actions: DescribeAddressQuota, DescribeBandwidthPackageQuota.

Name	Type	Description

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QuotaId	String	Quota name. Value range: • `TOTAL_EIP_QUOTA` :EIP quota under the user's current region • `DAILY_EIP_APPLY` : Number of EIP applications submitted daily under the user's current region • `DAILY_PUBLIC_IP_ASSIGN` : Number of public IP reassignments under the user's current region.
QuotaCurrent	Integer	Current count
QuotaLimit	Integer	Quota

ReferredSecurityGroup

Referred security groups

Used by actions: DescribeSecurityGroupReferences.

Name	Type	Description
SecurityGroupId	String	Security group instance ID.
ReferredSecurityGroupIds	Array of String	IDs of all referred security group instances.

ReserveIpAddressInfo

Reserved private IP address data.

Used by actions: CreateReserveIpAddresses, DescribeReserveIpAddresses.

Name	Type	Description
ReserveIpId	String	Unique ID of the reserved private IP address.
VpcId	String	Unique ID of the VPC.
SubnetId	String	Unique ID of the subnet.
ReserveIpAddress	String	Reserved private IP address.
ResourceId	String	Resource instance ID bound to the reserved private IP address.
IpType	Integer	IpType applied for the product.
State	String	Binding status. UnBind: unbound; Bind: bound.

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Name	String	Name of the reserved private IP address.
Description	String	Description of the reserved private IP address.
CreatedTime	String	Creation time.
TagSet	Array of Tag	Tag key-value pair.

Resource

The structure of information of the bandwidth package.

Used by actions: DescribeBandwidthPackageResources, DescribeBandwidthPackages.

Name	Type	Description
ResourceType	String	The bandwidth package resource type, including `Address` , and `LoadBalance`
ResourceId	String	The bandwidth package ID, such as `eip-xxxx` and `lb-xxxx` .
AddressIp	String	The bandwidth package resource IP.

ResourceDashboard

VPC resource dashboard (all resource counts)

Used by actions: DescribeVpcResourceDashboard.

Name	Type	Description
VpcId	String	VPC instance ID, such as `vpc-bq4bzxpj` .
SubnetId	String	Subnet instance ID, such as subnet-bthucmmy.
Classiclink	Integer	Classiclink.
Dcg	Integer	Direct Connect gateway.
Pcx	Integer	Peering connection.
Ip	Integer	Total number of used IPs except for CVM IP, EIP and network probe IP. The three IP types will be independently counted.

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Nat	Integer	NAT gateway.
Vpngw	Integer	VPN gateway.
FlowLog	Integer	Flow log.
NetworkDetect	Integer	Network probing.
NetworkACL	Integer	Network ACL.
CVM	Integer	Cloud Virtual Machine.
LB	Integer	Load balancer.
CDB	Integer	Relational database.
Cmem	Integer	TencentDB for Memcached.
CTSDB	Integer	Cloud time series database.
MariaDB	Integer	TencentDB for MariaDB (TDSQL).
SQLServer	Integer	TencentDB for SQL Server.
Postgres	Integer	TencentDB for PostgreSQL.
NAS	Integer	Network attached storage.
Greenplumn	Integer	Snova data warehouse.
Ckafka	Integer	Cloud Kafka (CKafka).
Grocery	Integer	Grocery.
HSM	Integer	Data encryption service.
Tcaplus	Integer	Game storage - Tcaplus.
Cnas	Integer	Cnas.
TiDB	Integer	HTAP database - TiDB.
Emr	Integer	EMR cluster.
SEAL	Integer	SEAL.
CFS	Integer	Cloud file storage - CFS.
Oracle	Integer	Oracle.

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ElasticSearch	Integer	ElasticSearch Service.
TBaaS	Integer	Blockchain service.
Itop	Integer	Itop.
DBAudit	Integer	Cloud database audit.
CynosDBPostgres	Integer	Enterprise TencentDB - CynosDB for Postgres.
Redis	Integer	TencentDB for Redis.
MongoDB	Integer	TencentDB for MongoDB.
DCDB	Integer	A distributed cloud database - TencentDB for TDSQL.
CynosDBMySQL	Integer	An enterprise-grade TencentDB - CynosDB for MySQL.
Subnet	Integer	Subnets.
RouteTable	Integer	Route table.

ResourceStatistics

Information of associated resources

Used by actions: DescribeSubnetResourceDashboard.

Name	Type	Description
VpcId	String	VPC instance ID, such as vpc-f1xjkw1b.
SubnetId	String	Subnet instance ID, such as `subnet-bthucmmy`.
Ip	Integer	The total number of used IP addresses.
ResourceStatisticsItemSet	Array of ResourceStatisticsItem	Information of associated resources

ResourceStatisticsItem

Resource statistical items

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Used by actions: DescribeSubnetResourceDashboard.

Name	Type	Description
ResourceType	String	Resource type, such as CVM, ENI
ResourceName	String	Resource name.
ResourceCount	Integer	Number of resources

Route

Routing policy object

Used by actions: CreateRouteTable, CreateRoutes, DeleteRoutes, DescribeRouteTables, ReplaceRoutes, ResetRoutes.

Name	Type	Required	Description
DestinationCidrBlock	String	Yes	Destination IP range, such as 112.20.51.0/24. Values cannot be in the VPC IP range.
GatewayType	String	Yes	Type of the next hop. Valid values: `CVM` : public gateway CVM; `VPN` : VPN gateway; `DIRECTCONNECT` : direct connect gateway; `PEERCONNECTION` : peering connection; `HAVIP` : HAVIP; `NAT` : NAT Gateway; `NORMAL_CVM` : normal CVM; `EIP` : public IP address of the CVM; `LOCAL_GATEWAY` : local gateway.
GatewayId	String	Yes	Next hop address. You simply need to specify the gateway ID of a different next hop type, and the system will automatically match the next hop address. Note: If `GatewayType` is set to `NORMAL_CVM` , `GatewayId` should be the private IP of the instance.
RouteId	Integer	No	Routing policy ID. The IPv4 routing policy will have a meaningful value, while the IPv6 routing policy is always 0. We recommend using the unique ID

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			`RouteItemId` for the routing policy. This field is required when you want to delete a routing policy.
RouteDescription	String	No	The description of the routing policy.
Enabled	Boolean	No	Whether it is enabled
RouteType	String	No	The route type. Currently, the following types are supported: USER: User route; NETD: Network probe route. When creating a network probe route, the system delivers by default. It cannot be edited or deleted; CCN: CCN route. The system delivers by default. It cannot be edited or deleted. Users can only add and operate USER-type routes.
RouteTableId	String	No	Route table instance ID, such as rtb-azd4dt1c.
DestinationIpv6CidrBlock	String	No	Destination IPv6 IP range, which cannot be included in VPC IP range, such as 2402:4e00:1000:810b::/64.
RouteItemId	String	No	Unique routing policy ID.
PublishedToVbc	Boolean	No	Whether the routing policy is published to CCN. Note: this field may return `null` , indicating that no valid values can be obtained.
CreatedTime	Timestamp	No	Creation time of the routing policy

RouteTable

Route table object

Used by actions: CreateRouteTable, CreateRoutes, DescribeRouteTables.

Name	Type	Description
VpcId	String	VPC instance ID.
RouteTableId	String	The route table instance ID, such as `rtb-azd4dt1c` .
RouteTableName	String	Route table name.
AssociationSet	Array of	The association relationships of the route table.

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	RouteTableAssociation	
RouteSet	Array of Route	IPv4 routing policy set.
Main	Boolean	Whether it is the default route table.
CreatedTime	String	Creation Time.
TagSet	Array of Tag	Tag key-value pairs.
LocalCidrForCcn	Array of CidrForCcn	Whether the local route is published to CCN. Note: this field may return `null` , indicating that no valid values can be obtained.

RouteTableAssociation

The association relationships of the route table

Used by actions: CreateRouteTable, CreateRoutes, DescribeRouteTables.

Name	Type	Description
SubnetId	String	Subnet instance ID.
RouteTableId	String	Route table instance ID.

SecurityGroup

Security group object

Used by actions: CloneSecurityGroup, CreateSecurityGroup, CreateSecurityGroupWithPolicies, DescribeSecurityGroups.

Name	Type	Required	Description
SecurityGroupId	String	Yes	The security group instance ID, such as `sg-ohuuioma` .
SecurityGroupName	String	Yes	Security group can be named freely, but cannot exceed 60 characters.
SecurityGroupDesc	String	Yes	The remarks for the security group. The maximum length is 100 characters.
ProjectId	String	No	The project id is 0 by default. You can query this in the project

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			management page of the Qcloud console.
IsDefault	Boolean	No	Whether it is the default security group (which cannot be deleted).
CreatedTime	String	No	Security group creation time.
TagSet	Array of Tag	No	Tag key-value pairs.
UpdateTime	String	No	Security group update time. Note: this field may return `null`, indicating that no valid values can be obtained.

SecurityGroupAssociationStatistics

Statistics on the instances associated with the security group

Used by actions: DescribeSecurityGroupAssociationStatistics.

Name	Type	Description
SecurityGroupId	String	Security group instance ID.
CVM	Integer	Number of CVM instances.
CDB	Integer	Number of TencentDB for MySQL instances
ENI	Integer	Number of ENI instances.
SG	Integer	Number of times a security group is referenced by other security groups
CLB	Integer	Number of load balancer instances.
InstanceStatistics	Array of InstanceStatistic	The binding statistics for all instances.
TotalCount	Integer	Total count of all resources (excluding resources referenced by security groups).

SecurityGroupPolicy

Security group policy object

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Used by actions: CreateSecurityGroupPolicies, CreateSecurityGroupWithPolicies, DeleteSecurityGroupPolicies, DescribeSecurityGroupPolicies, DescribeSgSnapshotFileContent, ModifySecurityGroupPolicies, ReplaceSecurityGroupPolicies, ReplaceSecurityGroupPolicy.

Name	Type	Required	Description
PolicyIndex	Integer	No	The index number of security group rules, which dynamically changes with the rules. This parameter can be obtained via the `DescribeSecurityGroupPolicies` API and used with the `Version` field in the returned value of the API.
Protocol	String	No	Protocol. Valid values: TCP, UDP, ICMP, ICMPv6, ALL.
Port	String	No	Port (`all` , a single port, or a port range). Note: If the `Protocol` value is set to `ALL` , the `Port` value also needs to be set to `all` .
ServiceTemplate	ServiceTemplateSpecification	No	Protocol port ID or protocol port group ID. ServiceTemplate and Protocol+Port are mutually exclusive.
CidrBlock	String	No	Either `CidrBlock` or `Ipv6CidrBlock can be specified. Note that if` 0.0.0.0/n` is entered, it is mapped to 0.0.0.0/0.
Ipv6CidrBlock	String	No	The CIDR block or IPv6 (mutually exclusive).
SecurityGroupId	String	No	The security group instance ID, such as `sg-ohuuioma` .
AddressTemplate	AddressTemplateSpecification	No	IP address ID or IP address group ID.
Action	String	No	ACCEPT or DROP.
PolicyDescription	String	No	Security group policy description.
ModifyTime	String	No	The last modification time of the security group.

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SecurityGroupPolicySet

Security group policy set

Used by actions: CreateSecurityGroupPolicies, CreateSecurityGroupWithPolicies, DeleteSecurityGroupPolicies, DescribeSecurityGroupPolicies, ModifySecurityGroupPolicies, ReplaceSecurityGroupPolicies, ReplaceSecurityGroupPolicy.

Name	Type	Required	Description
Version	String	No	The version number of the security group policy, which will automatically increase by one each time you update the security group policy, so as to prevent expiration of the updated routing policies. If it is left empty, any conflicts will be ignored. Note: This parameter may return null, indicating that no valid values can be obtained.
Egress	Array of SecurityGroupPolicy	No	Outbound rule. Note: This parameter may return null, indicating that no valid values can be obtained.
Ingress	Array of SecurityGroupPolicy	No	Inbound rule. Note: This parameter may return null, indicating that no valid values can be obtained.

SecurityPolicyDatabase

SecurityPolicyDatabase policy

Used by actions: CreateVpnConnection, DescribeVpnConnections, ModifyVpnConnectionAttribute.

Name	Type	Required	Description
LocalCidrBlock	String	Yes	Local IP range
RemoteCidrBlock	Array of String	Yes	Opposite IP range

ServiceTemplate

Protocol port template

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Used by actions: CreateServiceTemplate, CreateServiceTemplateGroup, DescribeServiceTemplateGroups, DescribeServiceTemplates.

Name	Type	Description
ServiceTemplateId	String	Protocol port instance ID, such as `ppm-f5n1f8da`.
ServiceTemplateName	String	Template name.
ServiceSet	Array of String	Protocol port information.
CreatedTime	String	Creation Time.
ServiceExtraSet	Array of ServicesInfo	Protocol port template information with remarks

ServiceTemplateGroup

Protocol port template group

Used by actions: CreateServiceTemplateGroup, DescribeServiceTemplateGroups.

Name	Type	Description
ServiceTemplateGroupId	String	Protocol port template group instance ID, such as `ppmg-2klmrefu`.
ServiceTemplateGroupName	String	Protocol port template group name.
ServiceTemplateIdSet	Array of String	Protocol port template instance ID.
CreatedTime	String	Creation Time.
ServiceTemplateSet	Array of ServiceTemplate	Protocol port template instance information.

ServiceTemplateSpecification

Protocol port template

Used by actions: CreateSecurityGroupPolicies, CreateSecurityGroupWithPolicies, DeleteSecurityGroupPolicies, DescribeSecurityGroupPolicies, DescribeSgSnapshotFileContent, ModifySecurityGroupPolicies, ReplaceSecurityGroupPolicies, ReplaceSecurityGroupPolicy.

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Name	Type	Required	Description
ServiceId	String	Yes	Protocol port ID, such as `ppm-f5n1f8da`.
ServiceGroupId	String	Yes	Protocol port group ID, such as `ppmg-f5n1f8da`.

ServicesInfo

Protocol port template information

Used by actions: CreateServiceTemplate, CreateServiceTemplateGroup, DescribeServiceTemplateGroups, DescribeServiceTemplates, ModifyServiceTemplateAttribute.

Name	Type	Required	Description
Service	String	Yes	Protocol port
Description	String	No	Remarks Note: this field may return `null`, indicating that no valid values can be obtained.

SnapshotFileInfo

Snapshot file information

Used by actions: DescribeSnapshotFiles.

Name	Type	Description
SnapshotPolicyId	String	Snapshot policy ID
InstanceId	String	ID of the instance.
SnapshotFileId	String	Snapshot file ID
BackupTime	String	Backup time
Operator	String	Operator UIN

SnapshotInstance

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Information of instance associated with the snapshot policy

Used by actions: AttachSnapshotInstances, DescribeSnapshotAttachedInstances, DetachSnapshotInstances.

Name	Type	Required	Description
InstanceId	String	Yes	ID of the instance.
InstanceType	String	Yes	Type of associated resource. Values: `securitygroup`
InstanceRegion	String	Yes	Instance region
SnapshotPolicyId	String	No	Snapshot policy IDs
InstanceName	String	No	The instance name.

SnapshotPolicy

Snapshot policy

Used by actions: CreateSnapshotPolicies, DescribeSnapshotPolicies.

Name	Type	Required	Description
SnapshotPolicyName	String	Yes	Snapshot policy name
BackupType	String	Yes	Backup policy type. Values: `operate` (Manual backup); `time` (Scheduled backup)
KeepTime	Integer	Yes	Snapshot retention period in days. Range: 1 to 365.
CreateNewCos	Boolean	Yes	Whether to create a new COS bucket. It defaults to `False`. Note: This field may return `null`, indicating that no valid values can be obtained.
CosRegion	String	Yes	Region of the COS bucket
CosBucket	String	Yes	COS bucket
SnapshotPolicyId	String	No	Snapshot policy ID
BackupPolicies	Array of BackupPolicy	No	Scheduled backup policies Note: This field may return `null`, indicating that no valid values can be obtained.

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Enable	Boolean	No	Whether to enable the policy. Values: `True` (default), `False`
CreateTime	String	No	Creation time Note: This field may return `null`, indicating that no valid values can be obtained.

SourceIpTranslationNatRule

SNAT rule of a NAT Gateway

Used by actions: CreateNatGateway, CreateNatGatewaySourceIpTranslationNatRule, DescribeNatGatewaySourceIpTranslationNatRules, DescribeNatGateways, ModifyNatGatewaySourceIpTranslationNatRule.

Name	Type	Required	Description
ResourceId	String	Yes	Resource ID. It can be left empty if `ResourceType` is `USERDEFINED`.
ResourceType	String	Yes	Resource type. Valid values: `SUBNET`, `NETWORKINTERFACE`, `USERDEFINED` Note: This field may return null, indicating that no valid values can be obtained.
PrivateIpAddress	String	Yes	Source IP/IP range
PublicIpAddresses	Array of String	Yes	Elastic IP address pool
Description	String	Yes	Description
NatGatewaySnatId	String	No	SNAT rule ID
NatGatewayId	String	No	NAT gateway ID. Note: This field may return `null`, indicating that no valid values can be obtained.
VpcId	String	No	VPC ID. Note: This field may return `null`, indicating that no valid values can be obtained.
CreatedTime	String	No	The creation time of a NAT gateway's SNAT rule. Note: This field may return `null`, indicating that no valid values can be obtained.

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Subnet

Subnet object

Used by actions: CreateAssistantCidr, CreateNetworkAcl, CreateSubnet, CreateSubnets, CreateVpc, DescribeAssistantCidr, DescribeNetworkAcls, DescribeSubnets, DescribeVpcs, ModifyAssistantCidr.

Name	Type	Description
VpcId	String	The `ID` of the `VPC` instance.
SubnetId	String	Subnet instance `ID`, such as `subnet-bthucmmy`.
SubnetName	String	Subnet name.
CidrBlock	String	The `IPv4` `CIDR` of the subnet.
IsDefault	Boolean	Whether it is the default subnet.
EnableBroadcast	Boolean	Whether to enable broadcast.
Zone	String	Availability Zone.
RouteTableId	String	The route table instance ID, such as `rtb-l2h8d7c2`.
CreatedTime	String	Creation Time.
AvailableIpAddressCount	Integer	The number of available IPv4 addresses
Ipv6CidrBlock	String	The `IPv6` `CIDR` of the subnet.
NetworkAclId	String	The associated `ACL` ID
IsRemoteVpcSnat	Boolean	Whether it is a `SNAT` address pool subnet.
TotalIpAddressCount	Integer	The total number of IPv4 addresses in the subnet.
TagSet	Array of Tag	Tag key-value pairs
CdcId	String	CDC instance ID Note: this field may return `null`, indicating that no valid values can be obtained.
IsCdcSubnet	Integer	Whether it is a CDC subnet. Valid values: 0: no; 1: yes

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		Note: this field may return `null`, indicating that no valid values can be obtained.

SubnetInput

Subnet object

Used by actions: CreateSubnets.

Name	Type	Required	Description
CidrBlock	String	Yes	The `CIDR` of the subnet.
SubnetName	String	Yes	Subnet name.
Zone	String	Yes	The availability zone, such as `ap-guangzhou-2`.
RouteTableId	String	No	The specified associated route table, such as `rtb-3ryrwzuu`.

Tag

Tag key-value pair

Used by actions: AllocateAddresses, AllocateIPv6Addresses, AllocateIp6AddressesBandwidth, CloneSecurityGroup, CreateAndAttachNetworkInterface, CreateAssistantCidr, CreateBandwidthPackage, CreateCcn, CreateCustomerGateway, CreateFlowLog, CreateNatGateway, CreateNetworkAcl, CreateNetworkInterface, CreateReserveIpAddresses, CreateRouteTable, CreateRoutes, CreateSecurityGroup, CreateSecurityGroupWithPolicies, CreateSubnet, CreateSubnets, CreateVpc, CreateVpnConnection, CreateVpnGateway, DescribeAddresses, DescribeAssistantCidr, DescribeCcns, DescribeFlowLog, DescribeFlowLogs, DescribeIPv6Addresses, DescribeIp6Addresses, DescribeNatGateways, DescribeNetworkAcls, DescribeNetworkInterfaces, DescribeReserveIpAddresses, DescribeRouteTables, DescribeSecurityGroups, DescribeSubnets, DescribeTrafficPackages, DescribeVpcs, DescribeVpnConnections, GetCcnRegionBandwidthLimits, ModifyAssistantCidr.

Name	Type	Required	Description
Key	String	Yes	Tag key Note: This field may return null, indicating no valid value.
Value	String	No	Tag value Note: This field may return null, indicating no valid value.

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TrafficPackage

Information of a traffic package

Used by actions: DescribeTrafficPackages.

Name	Type	Description
TrafficPackageId	String	Unique traffic package ID
TrafficPackageName	String	Traffic package name Note: This field may return null, indicating that no valid values can be obtained.
TotalAmount	Float	Traffic package size in GB
RemainingAmount	Float	Traffic package balance in GB
Status	String	Traffic package status. Valid values: `AVAILABLE`, `EXPIRED`, `EXHAUSTED`, `REFUNDED`, `DELETED`
CreatedTime	Timestamp ISO8601	Traffic package creation time
Deadline	Timestamp ISO8601	Traffic package expiration time
UsedAmount	Float	Used traffic in GB
TagSet	Array of Tag	Traffic package tag Note: This field may return null, indicating that no valid values can be obtained.
DeductType	String	Traffic package type (idle-time or full-time)

Vpc

Virtual Private Cloud (VPC) object.

Used by actions: CreateVpc, DescribeVpcs.

Name	Type	Description
VpcName	String	`VPC` name.

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VpcId	String	`VPC` instance `ID`, such as `vpc-azd4dt1c`.
CidrBlock	String	The `IPv4` `CIDR` of the `VPC`.
IsDefault	Boolean	Whether it is the default `VPC`.
EnableMulticast	Boolean	Whether multicast is enabled.
CreatedTime	String	Creation Time.
DnsServerSet	Array of String	`DNS` list.
DomainName	String	DHCP domain name option value.
DhcpOptionsId	String	`DHCP` option set `ID`.
EnableDhcp	Boolean	Whether `DHCP` is enabled.
Ipv6CidrBlock	String	The `IPv6` `CIDR` of the `VPC`.
TagSet	Array of Tag	Tag key-value pair
AssistantCidrSet	Array of AssistantCidr	The secondary CIDR block. Note: This field may return null, indicating that no valid values can be obtained.

VpcEndPointServiceUser

Details of allowed endpoint services

Used by actions: DescribeVpcEndPointServiceWhiteList.

Name	Type	Description
Owner	Integer	APP ID
UserUin	String	User UIN
Description	String	Description
CreateTime	String	Creation time
EndPointServiceId	String	Endpoint service ID

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VpcIpv6Address

VPC private IPv6 object.

Used by actions: DescribeVpcIpv6Addresses.

Name	Type	Description
Ipv6Address	String	`VPC` private `IPv6` address
CidrBlock	String	The `IPv6` `CIDR` belonging to the subnet.
Ipv6AddressType	String	`IPv6` type.
CreatedTime	String	`IPv6` application time.

VpcPrivateIpAddress

VPC private IP object.

Used by actions: DescribeVpcPrivateIpAddresses.

Name	Type	Description
PrivateIpAddress	String	`VPC` private `IP` .
CidrBlock	String	The `CIDR` belonging to the subnet.
PrivateIpAddressType	String	Private `IP` type.
CreatedTime	Timestamp	`IP` application time.

VpcTaskResultDetailInfo

Result of a VPC-related task

Used by actions: DescribeVpcTaskResult.

Name	Type	Description
ResourceId	String	Resource ID Note: this field may return `null` , indicating that no valid value can be obtained.

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Status	String	Status Note: This field may return `null` , indicating that no valid values can be obtained.

VpnConnection

VPN tunnel object.

Used by actions: CreateVpnConnection, DescribeVpnConnections.

Name	Type	Description
VpnConnectionId	String	Tunnel instance ID.
VpnConnectionName	String	Tunnel name.
VpcId	String	VPC instance ID.
VpnGatewayId	String	The ID of the VPN gateway instance.
CustomerGatewayId	String	Customer gateway instance ID.
PreShareKey	String	The pre-shared key.
VpnProto	String	Tunnel transmission protocol.
EncryptProto	String	Tunnel encryption protocol.
RouteType	String	Route Type.
CreatedTime	Timestamp	Creation Time.
State	String	Production status of the tunnel. PENDING: Creating; AVAILABLE: Running; DELETING: Deleting.
NetStatus	String	Connection status of the tunnel. AVAILABLE: Connected.
SecurityPolicyDatabaseSet	Array of SecurityPolicyDatabase	SPD.
IKEOptionsSpecification	IKEOptionsSpecification	IKE options.
IPSECOptionsSpecification	IPSECOptionsSpecification	IPSEC options.
EnableHealthCheck	Boolean	Whether the health check is supported.

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HealthCheckLocalIp	String	Local IP address for the health check
HealthCheckRemoteIp	String	Peer IP address for the health check
HealthCheckStatus	String	Tunnel health check status. Valid values: AVAILABLE: healthy; UNAVAILABLE: unhealthy. This parameter will be returned only after health check is enabled.
DpdEnable	Integer	Whether to enable DPD. Values: `0` (Disable) and `1` (Enable) Note: This field may return null, indicating that no valid values can be obtained.
DpdTimeout	String	DPD timeout period. Note: This field may return null, indicating that no valid values can be obtained.
DpdAction	String	The action to take in case of DPD timeout. Values: `clear` (Disconnect) and `restart` (retry). This parameter only takes effect when `DpdEnable` is set to `1` . Note: This field may return null, indicating that no valid values can be obtained.
TagSet	Array of Tag	Array of tag key-value pairs
NegotiationType	String	Negotiation type Note: This field may return null, indicating that no valid values can be obtained.

VpnGateway

VPN gateway object.

Used by actions: CreateVpnGateway, DescribeVpnGateways.

Name	Type	Description
VpnGatewayId	String	Gateway instance ID.
VpcId	String	VPC instance ID.
VpnGatewayName	String	Gateway instance name.
Type	String	Gateway instance type. Valid values: 'IPSEC', 'SSL', and

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		'CCN'.
State	String	Gateway instance status. 'PENDING': Creating; 'DELETING': Deleting; 'AVAILABLE': Running.
PublicIpAddress	String	Gateway public IP.
RenewFlag	String	Gateway renewal type: 'NOTIFY_AND_MANUAL_RENEW': Manual renewal. 'NOTIFY_AND_AUTO_RENEW': Automatic renewal. 'NOT_NOTIFY_AND_NOT_RENEW': No renewal after expiration.
InstanceChargeType	String	Gateway billing type: POSTPAID_BY_HOUR: Postpaid by hour; PREPAID: Prepaid.
InternetMaxBandwidthOut	Integer	Outbound bandwidth of gateway.
CreatedTime	Timestamp	Creation Time.
ExpiredTime	Timestamp	Expiration time of the prepaid gateway.
IsAddressBlocked	Boolean	Whether the public IP is blocked.
NewPurchasePlan	String	Change of billing method. PREPAID_TO_POSTPAID: Monthly subscription prepaid to postpaid by hour.
RestrictState	String	Gateway billing status. PROTECTIVELY_ISOLATED: Instance is isolated; NORMAL: Normal.
Zone	String	The availability zone, such as `ap-guangzhou-2`
VpnGatewayQuotaSet	Array of VpnGatewayQuota	Gateway bandwidth quota information.
Version	String	Gateway instance version.
NetworkInstanceId	String	CCN instance ID when the value of Type is CCN.
CdcId	String	CDC instance ID
MaxConnection	Integer	Maximum number of connected clients allowed for the SSL VPN gateway.

VpnGatewayQuota

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VPN gateway quota object

Used by actions: CreateVpnGateway, DescribeVpnGateways.

Name	Type	Description
Bandwidth	Integer	The bandwidth quota.
Cname	String	The bandwidth quota name in Chinese.
Name	String	The bandwidth quota name in English.

VpnGatewayRoute

Destination routes of a VPN gateway

Used by actions: CreateVpnGatewayRoutes, DescribeVpnGatewayRoutes, ModifyVpnGatewayRoutes.

Name	Type	Required	Description
DestinationCidrBlock	String	Yes	Destination IDC IP range
InstanceType	String	Yes	Next hop type (type of the associated instance). Valid values: `VPNCONN` (VPN tunnel) and `CCN` (CCN instance)
InstanceId	String	Yes	Instance ID of the next hop
Priority	Integer	Yes	Priority. Valid values: `0` and `100`
Status	String	Yes	Status. Valid values: `ENABLE` and `DISABLE`
RouteId	String	No	Route ID
Type	String	No	Route type. Valid values: `VPC`, `CCN` (CCN-propagated route), `Static`, and `BGP`.
CreateTime	Timestamp	No	The creation time.
UpdateTime	Timestamp	No	The update time.

VpnGatewayRouteModify

Modify route status of the VPN gateway

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Used by actions: ModifyVpnGatewayRoutes.

Name	Type	Required	Description
RouteId	String	Yes	Route ID of the VPN gateway
Status	String	Yes	Route status of the VPN gateway. Valid values: `ENABLE` , and `DISABLE` .

VpngwCcnRoutes

Information on VPN gateway-based CCN routes.

Used by actions: DescribeVpnGatewayCcnRoutes, ModifyVpnGatewayCcnRoutes.

Name	Type	Required	Description
RouteId	String	Yes	Route ID
Status	String	No	Enable the route or not ENABLE: enable the route DISABLE: do not enable the route
DestinationCidrBlock	String	No	Route CIDR block

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