

# **Cloud Connect Network**

## **Purchase Guide**

### **Product Documentation**



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# Purchase Guide

## Billing Overview

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This document describes the billing and pricing of Cloud Connect Network (CCN).

### Billing

The service fee of CCN consists of three parts, namely the connected network instance fee, cross-region bandwidth fee, and inbound traffic processing fee.

**Note:**

**The connected network instance fee and inbound traffic processing fee** have been billed since July 03, 2023.

For details, see the [Announcement](#).

Billable item	Billing mode	Payment method	Billing unit	Use case
Connected network instance fee	Pay-as-you-go	Pay after use	USD/instance/hour	The connection fee for the network instances associated with CCN.
Cross-region bandwidth fee	Pay-as-you-go by monthly 95th percentile	Pay after use	USD/month. This fee is charged based on the 95th percentile of the monthly peak bandwidth and the proportion of valid days.	Suitable for businesses that require low bandwidth or have bandwidth bursts. It is currently in beta test. To try it out, please <a href="#">submit a ticket</a> .
Inbound traffic processing fee	Pay-as-you-go	Pay after use	USD/GB	The fee for processing traffic flowing into the CCN gateway.

### Connected network instance fee

**A connected network instance** refers to a VPC, Direct Connect, or VPN gateway instance associated with a CCN instance.

**Billing mode:** Pay-as-you-go on an hourly basis. The minimum billing unit is one hour.

**Calculation:** Hourly connected network instance fee = Unit price per connected instance (USD/instance) x Total number of connected network instances in the billing cycle.

**Note:**

The VPC where Tencent Cloud Lighthouse is located is not included.

Only out-of-plan usage is charged.

Each account has a free quota of two network connection instances until 00:00:00, April 1, 2025.

If you remove a network connection instance under the free quota, the quota will be released in one hour.

When more than two network connection instances are associated with an account, two of such instances will be randomly selected to be provided free of charge.

In the cross-account scenarios, the fees for network connection instances are paid by the account that owns the CCN instance.

Billable item	Billing mode	Usage	Price (USD)	
Connected network instance (USD/instance/hour)	Pay-as-you-go	≤ 2 instances	Free of charge before April 1, 2025 00:00:00 (UTC+8)	
		> 2 instances (beyond the first two)	The Chinese mainland	0.05
			Regions outside the Chinese mainland	0.06

## Cross-region bandwidth fee

The following describes the three service levels of CCN cross-region bandwidth:

Service level	Service availability	Price ratio	Use case
Platinum	99.99%	1.5	Applicable to services that require extremely high communication quality, such as transaction and payment services.
Gold	99.95%	1	Applicable to services that require relatively high communication quality, such as gaming and video services.
Silver	99.50%	0.75	Applicable to services not sensitive to communication quality, such as offline data backup.

**Note:**

A free quota of 10 Kbps bandwidth is provided for testing between each pair of regions.

The first 5 Gbps of bandwidth in the same region (same account or cross accounts) is free of charge. If you need more than 5 Gbps of bandwidth in the same region, please [submit a ticket](#).

The service level for intra-region interconnection is Gold and cannot be modified.

Three service levels (Platinum, Gold, and Silver) are provided for cross-region interconnection. You can select a service level when creating a CCN instance. Cross-account and cross-region costs are billed to the account of the CCN instance owner.

The price ratio is for reference only. Please refer to the actual prices.

Under normal network conditions, the Platinum, Gold, and Silver service levels exhibit identical latency and packet loss performance. The primary distinction lies in the priority of protection under circumstances such as failures. CCN also charges for the cross-region interconnection bandwidth. It supports pay-as-you-go by monthly 95th percentile and offers three service levels ([Platinum, Gold, and Silver](#)). You can choose the plan based on your business needs. For example, for real-time audio/video and game acceleration, it's recommended to choose pay-as-you-go by monthly 95th percentile - Gold .

## Pay-as-you-go by monthly 95th percentile

Pay after use. Fees are charged based on the 95th percentile of the monthly peak bandwidth and the proportion of valid days. This pay-as-you-go billing mode is suitable for businesses with large bandwidth fluctuations. For example, if you have 10 Mbps of bandwidth between Beijing and Shanghai regions but also a bandwidth burst of 30 Mbps. We recommend you select pay-as-you-go by monthly 95th percentile because you may only need to pay for 10 Mbps of bandwidth after the top 5% is removed.

### Note:

After creating a CCN instance with the billing mode of pay-as-you-go by monthly 95th percentile, you can use the bandwidth without a separate purchase. For pay-as-you-go bandwidth management, see [Configuring Bandwidth](#).

## Billing cycle

**Monthly pay-as-you-go:** Fees are generated each month. You will be charged for the current month on the first day of the following month between 8 AM and 10 AM.

## Fee calculation

**Total monthly cost of CCN** = Sum of the interconnection costs of all regions

**Monthly interconnection cost between two regions** = 95th percentile of the monthly peak bandwidth of the interconnection between two regions × Proportion of valid days × Tiered unit price

**95th percentile of monthly peak bandwidth:** Bandwidth data is collected every 5 minutes. The peak bandwidth (higher one between inbound and outbound bandwidths) between two regions within each 5 minutes is taken as a sample point. All sample points of a month are sorted in descending order and the top 5% are removed. The highest value of the remaining sample points is used as the 95th percentile of the monthly peak bandwidth. For example, you used CCN in June to build cross-region connection between regions A and B for 14 valid days. Because one sample point is generated every five minutes, 288 (60 min × 24/5 min) sample points are generated every day, and 4,032 (14

days × 288 sample points/day) sample points are generated in 14 days. The bandwidth values of the 4,032 sample points are sorted in descending order, the top 5% (4,032 sample points × 0.05 = 201.6 sample points) are removed, and the bandwidth value of the 202nd sample point is used as the 95th percentile of the monthly peak bandwidth.

**Proportion of valid days:** Proportion of valid days = Number of valid days in the current month/Number of days in the current month. A valid day refers to when at least one sample point has a bandwidth greater than 10 Kbps on that day.

**Tiered unit price:** Unit price of the tier into which the 95th percentile of the monthly peak bandwidth falls.

## Pricing

### Note:

The billable tier is the tier where the bandwidth peak falls.

For the price of connection between regions outside the Chinese mainland, please contact your sales rep.

CCN is a pay-as-you-go service based on actual usage. To avoid unexpected costs, we recommend setting a bandwidth cap between regions.

Service level	Local region	Peer region	Bandwidth unit price (USD/Mbps/month)		
			(0 Mbps-100 Mbps]	(100 Mbps-1,000 Mbps]	(> 1,000 Mbps)
Platinum	Chinese mainland	Chinese mainland	55	21	13
Gold			37	13	9
Silver			28	10	7

## Billing examples

Assume that you have a Gold CCN instance, which is associated with network instances in Guangzhou, Beijing, and Shanghai. In June 2019, the peak bandwidth between Beijing and Guangzhou was 120 Mbps, and that between Beijing and Shanghai was 30 Mbps.

Cost of interconnection between Beijing and Guangzhou regions = 95th percentile of the monthly peak bandwidth (120 Mbps) × Proportion of valid days (14/30) × Tiered unit price (13 USD/Mbps/month) = 728 USD.

With the same calculation method, we can tell that the cost of interconnection between Beijing and Shanghai regions is 518 USD. The final total cost is 728 USD + 518 USD = 1,246 USD, which was charged on July 1, 2019 between 8 AM and 10 AM.

## Inbound traffic processing fee

Inbound traffic refers to the traffic coming from connected network instances (VPC/Direct Connect/VPN gateway instances) to a CCN instance. For specific traffic details, see [Viewing Monitoring Data](#). CCN processes inbound traffic

data and charges corresponding fees.

**Note:**

Traffic sent from the Cloud Connect Network to its associated network connection instances (including VPC instances, Direct Connect (DC) gateway instances, and VPN gateway instances), namely the outbound traffic, is not subject to traffic processing charges.

In the cross-account scenarios, the inbound traffic processing fees are paid by the account that owns the CCN instance.

Cross-regional inbound traffic and intra-regional non-cross-VPC inbound traffic are subject to charges.

Intra-regional cross-VPC inbound traffic is free, except for the following two scenarios:

CLB bound to real servers across VPCs.

Intra-city access via custom routing.

Billing mode: Pay-as-you-go on an hourly basis. The minimum billable unit is one hour.

Calculation: Hourly network connection fee = Inbound traffic x Unit price.

The specific prices are as follows:

**Note:**

A free quota of 100 TB of inbound traffic is provided per month from now till 00:00:00, April 1, 2025.

Billable item	Billing mode	Usage	Price (USD)
Inbound traffic (USD/GB)	Pay-as-you-go	≤ 100 TB	Free of charge till April 01, 2025 00:00:00 (UTC+8)
		> 100 TB (traffic beyond the free quota)	0.02



# Expiration Reminder

Last updated : 2023-07-21 11:35:24

## Note:

If you are a customer of a Tencent Cloud partner, the rules regarding resources when there are overdue payments are subject to the agreement between you and the partner.

## Pay-As-You-Go by Monthly 95th Percentile

### Overdue Payment Alert

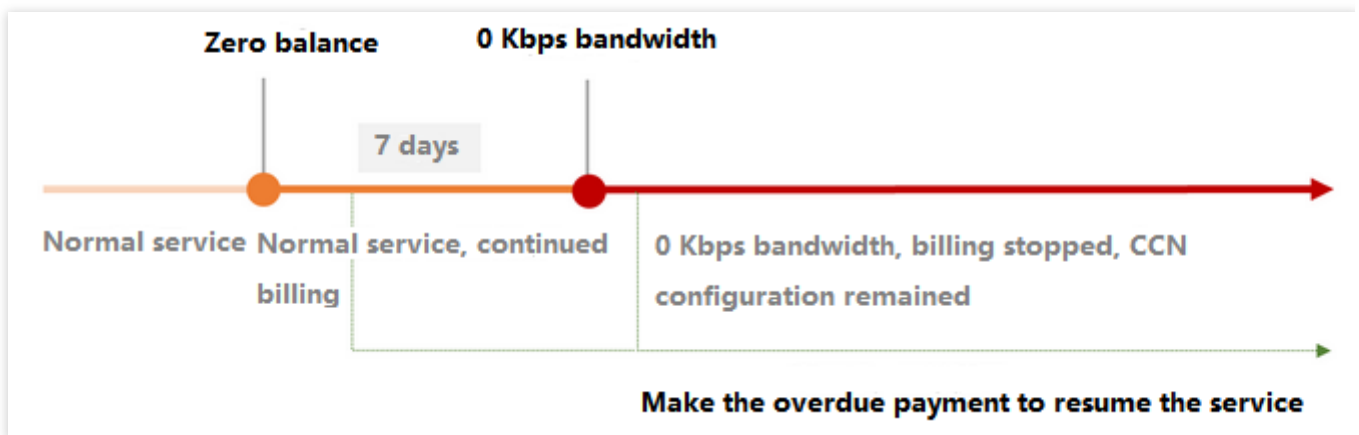
1. Overdue alert: You will receive a notification when your account balance becomes negative.
2. Balance alert: This feature is disabled by default. To enable this feature, see [Balance Alert Guide](#).

### Overdue Policies

The following policies are applied from the moment when your account balance drops to 0.

1. Within seven days, Cloud Connect Network (CCN) is still available for the account.
2. Seven days later, the CCN instance becomes unavailable and the cross-region bandwidth drops to 0 Kbps.

However, the CCN instance retains and resumes service once the overdue payment is made.



## Note:

If the non-stop feature is enabled, CCN is still available even your account becomes overdue, and the billing continues. To enable this feature, [submit a ticket](#).

The pay-as-you-go CCN instance billed by monthly 95 percentile will be charged between 8 and 10 AM (UTC+8) on the first day of the next month.

For example, if you use such a CCN instance in November 2019, you will be charged between 8 and 10 AM (UTC+8) on December 1, 2019.

All operations and status changes will be notified to Tencent Cloud account creator, global resource collaborators, and financial collaborators via email, SMS, etc.

# Overdue Payment Policies

Last updated : 2023-08-11 16:22:30

The service fee of CCN consists of three parts, namely the network instance fee, inbound traffic processing fee and CORS bandwidth fee. This document describes the overdue payment policies of CCN.

## Connected network instances

### Overdue payment alert

The network instance is deducted on an hourly basis. When your account balance becomes negative, the account creator will be notified via email, SMS, and in the Message Center. Make up the payment in time to prevent service suspension.

#### Note:

Balance alert: This feature is disabled by default. To enable this feature, see [Enabling Balance Alert](#).

### Overdue payment policy

The following policies are applied from the moment when your account balance drops to 0.

The CCN service is still available for seven days from the moment your account balance becomes negative.

Meanwhile, the billing continues.

Seven days later, the CCN instance becomes unavailable. However, the CCN instance retains. You can make up the overdue payment to resume the service.

#### Note:

The network instance fee is deducted on an hourly basis.

For example, the network instance fee for 00:00-00:59, July 3, 2023 is deducted at 01:00, July 3, 2023. Note that there may be delay.

## Inbound Traffic Processing

### Overdue payment alert

The inbound traffic fee of a CCN instance is billed on an hourly basis. When your account balance becomes negative, the account creator will be notified via email, SMS, and in the Message Center. Make up the payment in time to prevent service suspens.

#### Note:

Balance alert: This feature is disabled by default. To enable this feature, see [Enabling Balance Alert](#).

### Overdue payment policy

The following policies are applied from the moment when your account balance drops to 0.

The CCN service is still available for seven days from the moment your account balance becomes negative.

Meanwhile, the billing continues.

Seven days later, the CCN instance becomes unavailable. However, the CCN instance retains. You can make up the overdue payment to resume the service.

**Note:**

Inbound traffic fee is deducted on an hourly basis.

For example, the inbound traffic network instance fee for 00:00-00:59, July 3, 2023 is deducted at 01:00, July 3, 2023.

Note that there may be delay.

## Cross-region bandwidth fee

### PAYG instances billed per monthly 95th percentile

#### Overdue payment alert

The cross-region bandwidth fee is billed per monthly 95th percentile and deducted at the beginning of the next month.

When your account balance becomes negative, the account creator will be notified via email, SMS, and in the Message Center. Make up the payment in time to prevent service suspensions.

**Note:**

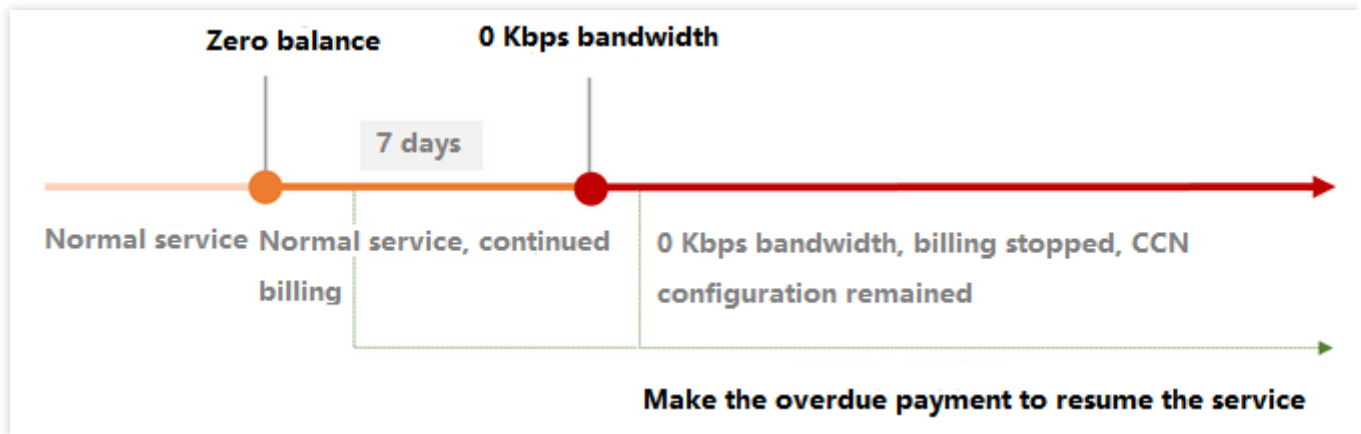
Balance alert: This feature is disabled by default. To enable this feature, see [Enabling Balance Alert](#).

#### Overdue payment policy

The following policies are applied from the moment when your account balance drops to 0.

Within seven days, CCN service is still available.

Seven days later, the CCN instance becomes unavailable and the cross-region bandwidth drops to 0 Kbps. However, the CCN instances retain. You can make up the payment to resume the service.

**Note:**

For PAYG CCN instances billed per monthly 95 percentile, the cross-region bandwidth fee is deducted between 8 and 10 AM (UTC+8) on the first day of the next month.

For example, the cross-region bandwidth fee of November 2019 is deducted between 8 and 10 AM on December 1, 2019. All operations and status changes will be notified to Tencent Cloud account creator, global resource collaborators, and financial collaborators via email, SMS, etc.