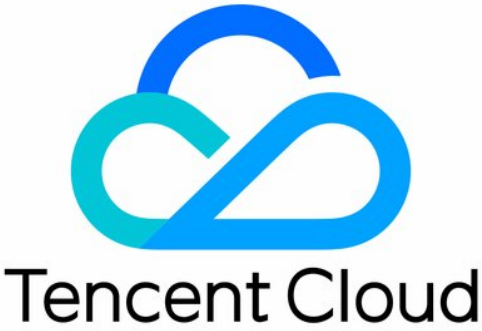
Direct Connect

Purchase Guide

Product Documentation



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Purchase Guide
Billing Overview

Last updated：2024-12-26 09:52:02

This document describes the billing and pricing of connection, dedicated tunnel and direct connect gateway.

Billing Details

Tencent Cloud Direct Connect is billed on the basis of connection, dedicated tunnel, and direct connect gateway.

Note:

The bandwidth units are 1000-based, which means 1 Tbps is equal to 1,000 Gbps and 1 Gbps is equal to 1,000 Mbps.

The traffic units are 1024-based, which means 1 TB is equal to 1,024 GB and 1 GB is equal to 1,024 MB.

The figure below specifies the fees:

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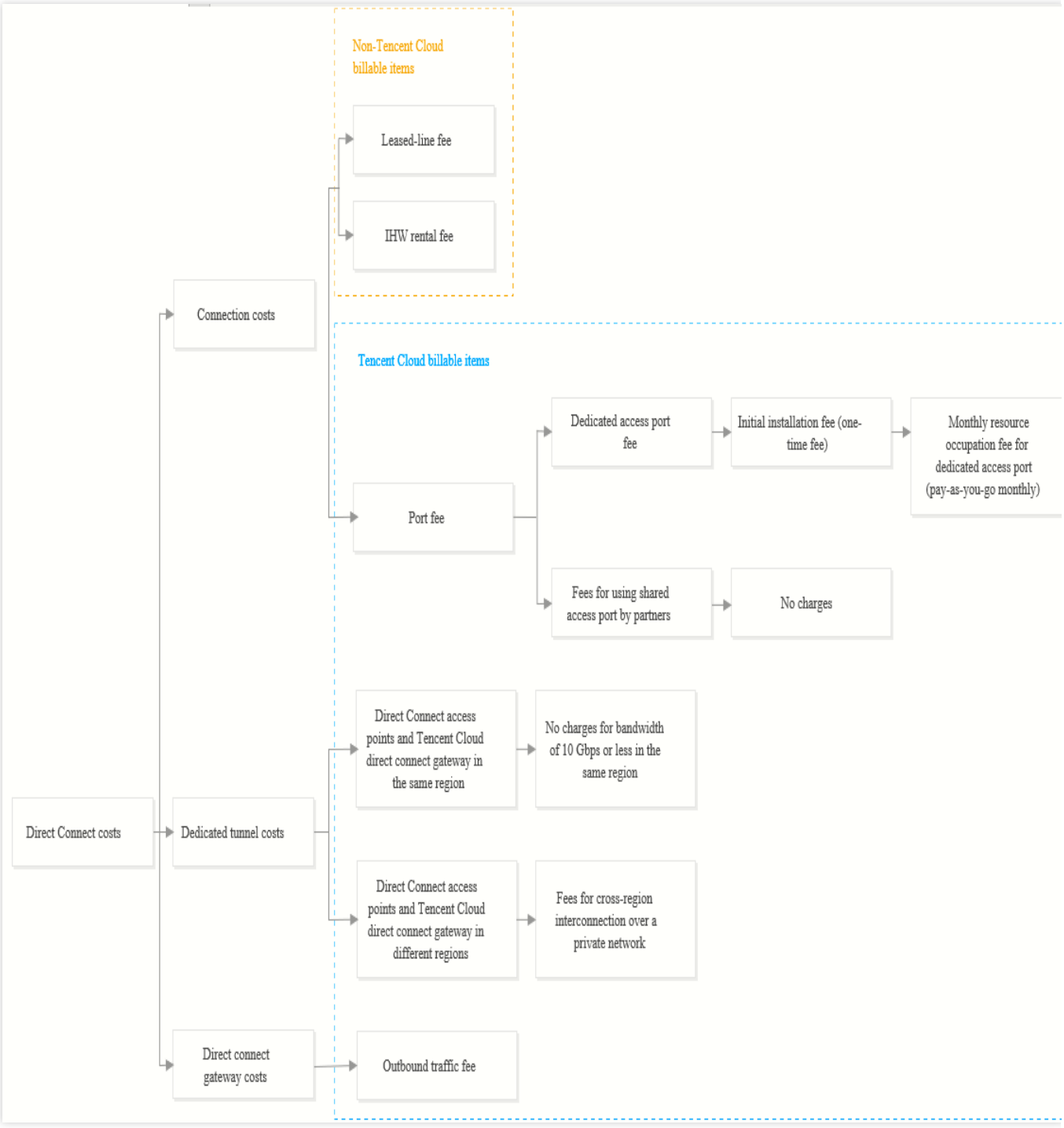

Connections

A connection is the connection between your local IDC and the Tencent Cloud Direct Connect access point. You need to pay both Tencent Cloud billable items and non-Tencent Cloud billable items.

Tencent Cloud billable items

You need to pay the monthly resource occupation fee for a dedicated access port.

You do not need to pay the resource occupation fee for a shared access port by partners.

Non-Tencent Cloud billable items

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Leased-line fee: you should pay your ISP for the leased line between your local IDC and the Tencent Cloud Direct Connect access point.
In-house wiring (IHW) rental fee: Direct Connect access points are generally deployed in neutral IDCs. Therefore, fiber-to-the-building (FTTB) or IHW rental fee may incur. For more information, consult your property operator or wiring provider.

Dedicated tunnels

A dedicated tunnel is the Tencent Cloud private network connection between the Direct Connect access point and the Tencent Cloud direct connect gateway.
If the Direct Connect access point and direct connect gateway are deployed in the same region, a free tier of 10 Gbps will be provided. If you require a higher bandwidth, contact your Tencent Cloud sales rep.
If the Direct Connect access point and direct connect gateway are deployed in different regions, cross-region communication over the private network will be charged for dedicated tunnels, and no free tier will be provided.
Note:
Tencent Cloud has discontinued the Direct Connect - Cross-Region Dedicated Tunnel Service from December 31, 2022. For more information, see Migration of Direct Connect Cross-Region Tunnel Service to CCN. If you need cross-region tunnels, use Cloud Connect Network (CCN).
If you are an existing user of the Direct Connect - Cross-Region Dedicated Tunnel Service, migrate your cross-region dedicated tunnels to CCN as instructed in Migrating Cross-Region Dedicated Tunnel to CCN.
For a shared dedicated tunnel created using a partner's connection, the resource occupation fee for shared dedicated tunnel will be charged based on the specifications. For more information, see Shared dedicated tunnel fee.

Direct connect gateways

A direct connect gateway is your gateway object in Tencent Cloud, and the traffic fee will be billed.
Inbound traffic fee: traffic from your local IDC to a Tencent Cloud IDC over Direct Connect is free of charge.
Outbound traffic fee: traffic from a Tencent Cloud IDC to your local IDC over Direct Connect is charged based on actual traffic usage. For detailed pricing, see Direct connect gateway traffic fee.

Pricing Description

Direct Connect is billed as follows.

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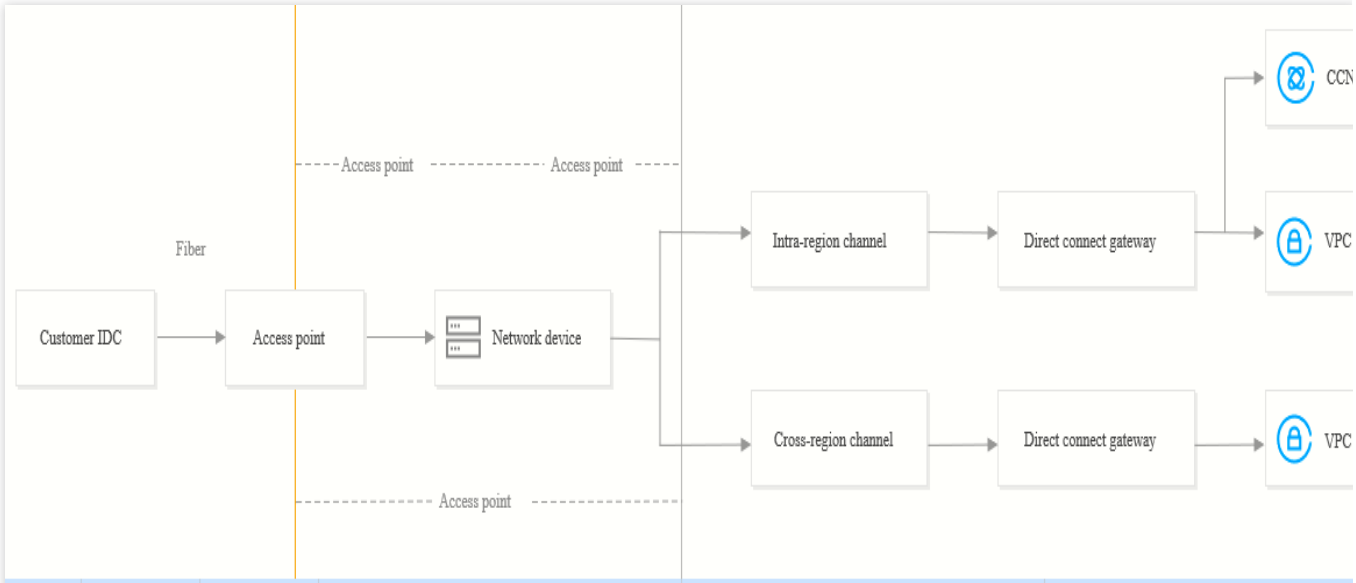

Name	Fiber device	IHW rental fee	Connection port fee		Dedicated tunnel fee		Direct connect gateway traffic fee	
Description	/	/	Dedicated access port	Shared access port	Direct Connect access points and Tencent Cloud direct connect gateway in the same region	Direct Connect access points and Tencent Cloud direct connect gateway in different regions	Inbound traffic: traffic from your local IDC to Tencent Cloud	Outbound traffic: tra from Tencent Cloud your local IDC
Billing standard	Purchased from and paid to ISP	Consulted ISP or wiring provider	Initial installation fee of $2,500 USD Monthly resource occupation fee for dedicated access port	No charges	No charges for bandwidth of 10 Gbps or less in the same region	Fees for cross-region interconnection over a private network	Free of charge	0.015 USD/GB
Type	Non-Tencent Cloud billable items		Tencent Cloud billable items					

Dedicated access port fee

Resource occupation fee for dedicated access port: monthly pay-as-you-go. The fee incurred in the current month will be charged from your account between 8 and 10 AM on the first day of the next month.

Billing time: the billing starts on the day when the connection goes to **Running** status, and stops when the connection is deleted on the Direct Connect console. The connection used less than one month will be billed on the basis of valid days.

Billing formula: Total fee = (Number of valid days in the month/Number of calendar days in the month) × Monthly price for the port.

Note:

400G ports are currently only supported in the Beijing region. For other regions, you can Submit a ticket feedback.

Billable Item	Specification	Price (USD/month)
Resource occupation fee (in the Chinese mainland)	1 GbE or below	92
	10 GbE	769

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	100 GbE	5385
	400GbE	19,750
Resource occupation fee (outside the Chinese mainland)	1GE or below	231
	10 GbE	1692
	100 GbE	12308
	400GbE	45,143

Direct connect gateway traffic fee

Billing description: the direct connect gateway will be charged starting from December 1, 2020. The inbound traffic is free of charge, while the outbound traffic billing will be accurate to MB at the price as shown below. The outbound traffic less than 1 MB will not be charged.

Billing object: the total outbound traffic of all direct connect gateways under a Tencent Cloud account.

Billing mode: monthly pay-as-you-go. The fee incurred in the current month will be charged from your account between 8 and 10 AM on the first day of the next month.

Billing formula: Total fee = Total outbound traffic of all direct connect gateways × Unit price.

Note:

A new region-based pricing plan will be introduced on June 1, 2023 for the outbound traffic of direct connect gateways. For more information, see Discontinuing the Free Tier of Outbound Traffic and Introducing a New Pricing Plan.

<table>
<tr><td rowspan="2">Billable Item</td><td colspan="2" rowspan="2">Total Outbound Traffic</td><td colspan="2">Price (USD/GB)</td></tr>
<tr><td>Starting from June 1, 2023</td><td>Before June 1, 2023</td></tr>
<tr><td>Inbound traffic</td><td colspan="2">-</td><td>Free of charge</td><td>Free of charge</td></tr>
<tr><td rowspan="5">Outbound traffic</td><td colspan="2">Chinese mainland</td><td>0.015</td><td rowspan="5">0.015</td></tr>
<tr><td rowspan="3">Asia</td><td>Taiwan (China), Hong Kong (China), Tokyo, Singapore, Seoul, Bangkok</td><td>0.037</td></tr>
<tr><td>Mumbai</td><td>0.041</td></tr>
<tr><td>Jakarta</td><td>0.074</td></tr>
<tr><td>Europe and</td><td>Frankfurt, Virginia,</td><td>0.018</td></tr>
</table>

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	America	Silicon Valley		
		Brazil	0.037	

Cross-region dedicated tunnel bandwidth resource fee

Note:

Tencent Cloud has discontinued the Direct Connect - Cross-Region Dedicated Tunnel Service from December 31, 2022. For more information, see Migration of Direct Connect Cross-Region Tunnel Service to CCN. If you need cross-region tunnels, use CCN.

If you are an existing user of the Direct Connect - Cross-Region Dedicated Tunnel Service, migrate your cross-region dedicated tunnels to CCN as instructed in Migrating Cross-Region Dedicated Tunnel to CCN.

Monthly 95th percentile billing

Monthly dedicated tunnel fee = number of valid days in the month / number of calendar days in the month * 95th percentile of the monthly peak bandwidth * tiered unit price.

5-minute bandwidth value

The system collects the higher value of the inbound and outbound bandwidth on the devices every minute, and calculates the average in the last five minutes once every five minutes. The average is recorded as the 5-minute bandwidth value.

Valid day

A valid day is a day in which at least one 5-minute bandwidth value is greater than 3 Kbps.

Proportion of valid days

Proportion of valid days = number of valid days in the month / number of calendar days in the month

95th percentile of the monthly peak bandwidth

In a calendar month, the 5-minute bandwidth values on all valid days are sorted in ascending 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.

Tiered unit price

Non-accumulative tiered pricing.

Tiered unit prices for 95th percentile of the monthly peak bandwidth

In Chinese mainland, the **pay-as-you-go** billing mode applies at the price as shown below.

Specification (Mbps)	Monthly Price (USD/Mbps)
[0, 10)	85
[10, 20)	63
[20, 50)	45

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[50, 100)	34
[100, 200)	25
[200, 500)	18
[500, 1000)	14
[1000, 2000)	11
[2000, 1000000)	10

Note:

For more information on tiered pricing, contact your Tencent Cloud rep.

Communication over the Beijing-Tianjin and Guangzhou-Shenzhen dedicated tunnels is free of charge before December 31, 2021.

Billing example

A user uses a Guangzhou-Beijing dedicated tunnel for 14 valid days in January. The number of sample points per day is 288, which is the result of Total duration/Statistical period (24 × 60/5). Therefore, the total number of sample points for the 14 valid days is 4,032 (14 × 288). The bandwidth values of the 4,032 sample points are sorted in ascending order, and the top 5% sample points are removed. The average bandwidth value of the 3,830 sample points (4,032 × 0.95 = 3,830.4) is taken as the billable bandwidth of the month and recorded as Max95. Assume that the value of Max95 is 15 Mbps, for which the corresponding tiered unit price is 63 USD/Mbps. The total fee is calculated as follows: 14/31 × 15 × 63 = 426.77 USD. The fee will be deducted between 8 and 10 AM on February 1.

Shared dedicated tunnel fee

Resource occupation fee for shared dedicated tunnel: The fee is billed in pay-as-you-go mode monthly. The fee incurred in the current month will be deducted from your account between 8 and 10 AM on the first day of the next month.

Billing time: The billing starts on the day when the shared dedicated tunnel enters the **Connected** state, and stops when the tunnel is deleted in the Direct Connect console. The tunnel used less than one month will be billed on the basis of valid days.

Billing formula: Total fee = (Number of valid days in the month/Number of calendar days in the month) × Monthly price for the shared dedicated tunnel.

Tunnel specification	Occupation fee in the Chinese mainland (USD/month)	Occupation fee outside the Chinese mainland (USD/month)
50 Mbps	23	23
100 Mbps	31	46

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200 Mbps	38	57
300 Mbps	46	92
400 Mbps	54	120
500 Mbps	62	146
1 Gbps	92	231
2 Gbps	169	523
5 Gbps	400	1,169
8 Gbps	631	1,508
10 Gbps	769	1,692
40 Gbps	2,769	5,846
100 Gbps	5,385	12,308

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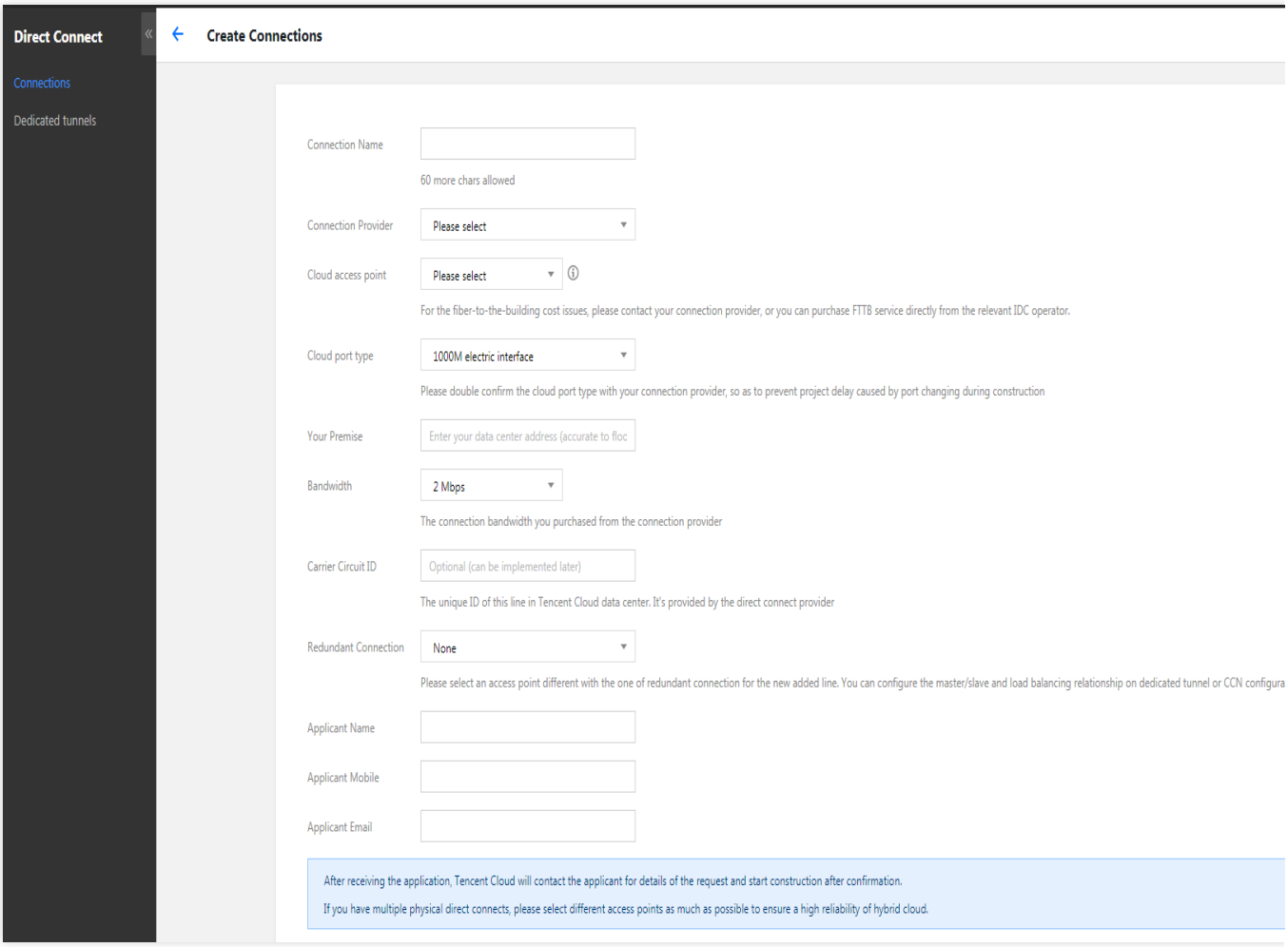
Purchasing in the Console

Last updated：2024-12-04 10:26:13

This document describes how to purchase the Tencent Cloud DC service.

Purchasing a Connection

1. Log in to the Direct Connect console.
2. Click **+New** on the **Connections** page.
3. On the **New connection** page, complete the fields and click **OK** to submit the application. Make the payment when the application is approved.



Note:

For more details, see Applying for a Connection.

Purchasing a Dedicated Tunnel

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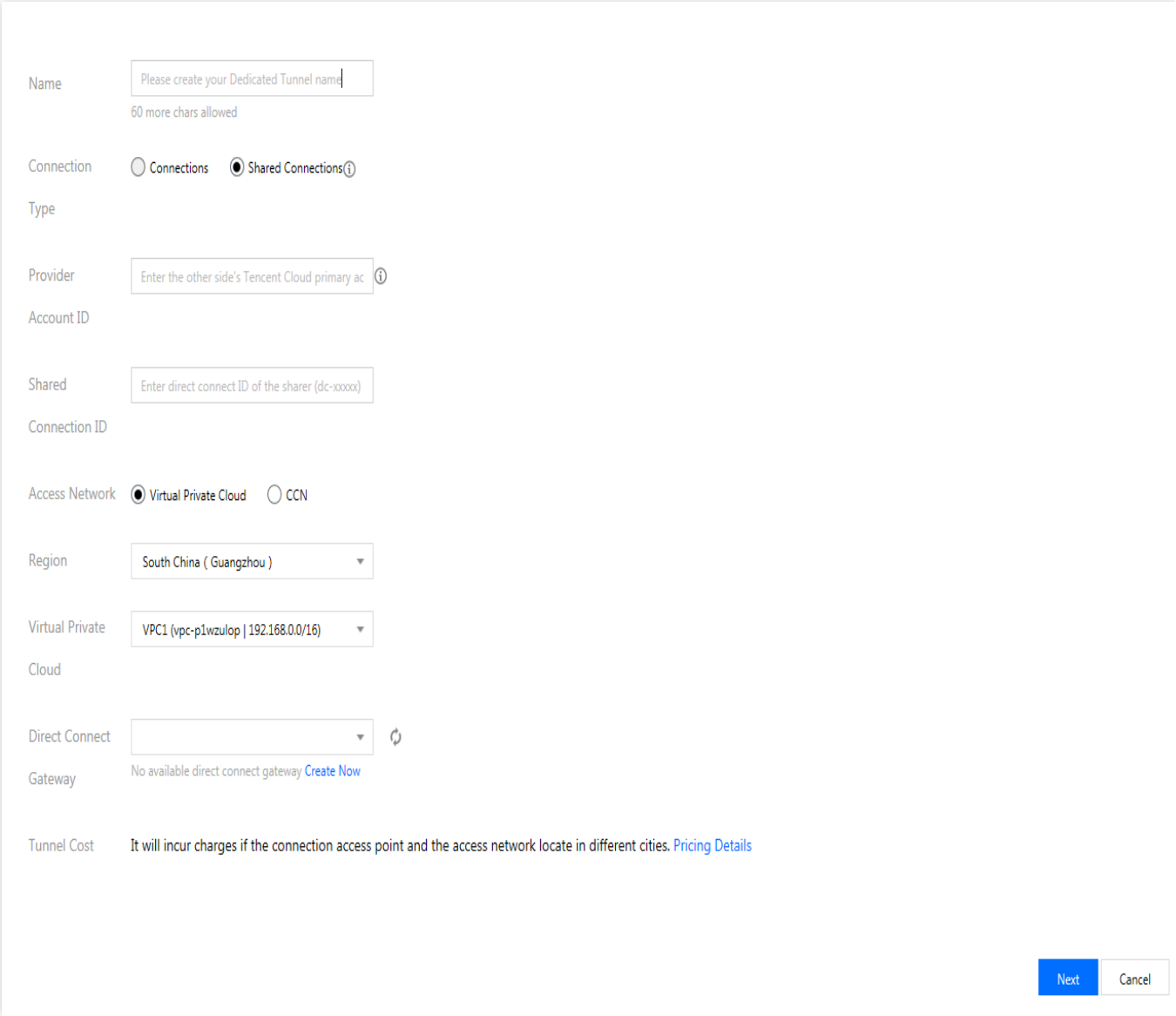
1. Log in to the Direct Connect console.
2. Select **Dedicated Tunnels** from the left sidebar.
3. Click **+New** on the **Dedicated Tunnels** page.
4. Complete fields in the pop-up and click **Next**.
5. Complete advanced settings and IDC device configuration.



Note:

For more details, see Applying for a Tunnel.

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Renewing Connections

Last updated：2022-04-02 19:12:36

This document describes how to renew the connection on the Direct Connect console.

Note：

- Currently, you can only renew the connections constructed by Tencent for one year at a time. You need to perform the renewal operations several times for a multiple-year renewal.
- Renew the connection before the expiration

Renewing Connection

1. Log in to the Direct Connect console.
2. Click **Connection** on the left sidebar to enter the connection page.
3. Select the connection to renew on the connection page and click **Renew** in **Operations**.

Note：
If you cannot see the renewal option, please click **Agree to User Agreement**

4. Check the renewal information on the pop-up **Confirmation** page, click **Confirm** and complete the payment.

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