

# **Direct Connect Purchase Guide Product Documentation**



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# Purchase Guide

## Billing Overview

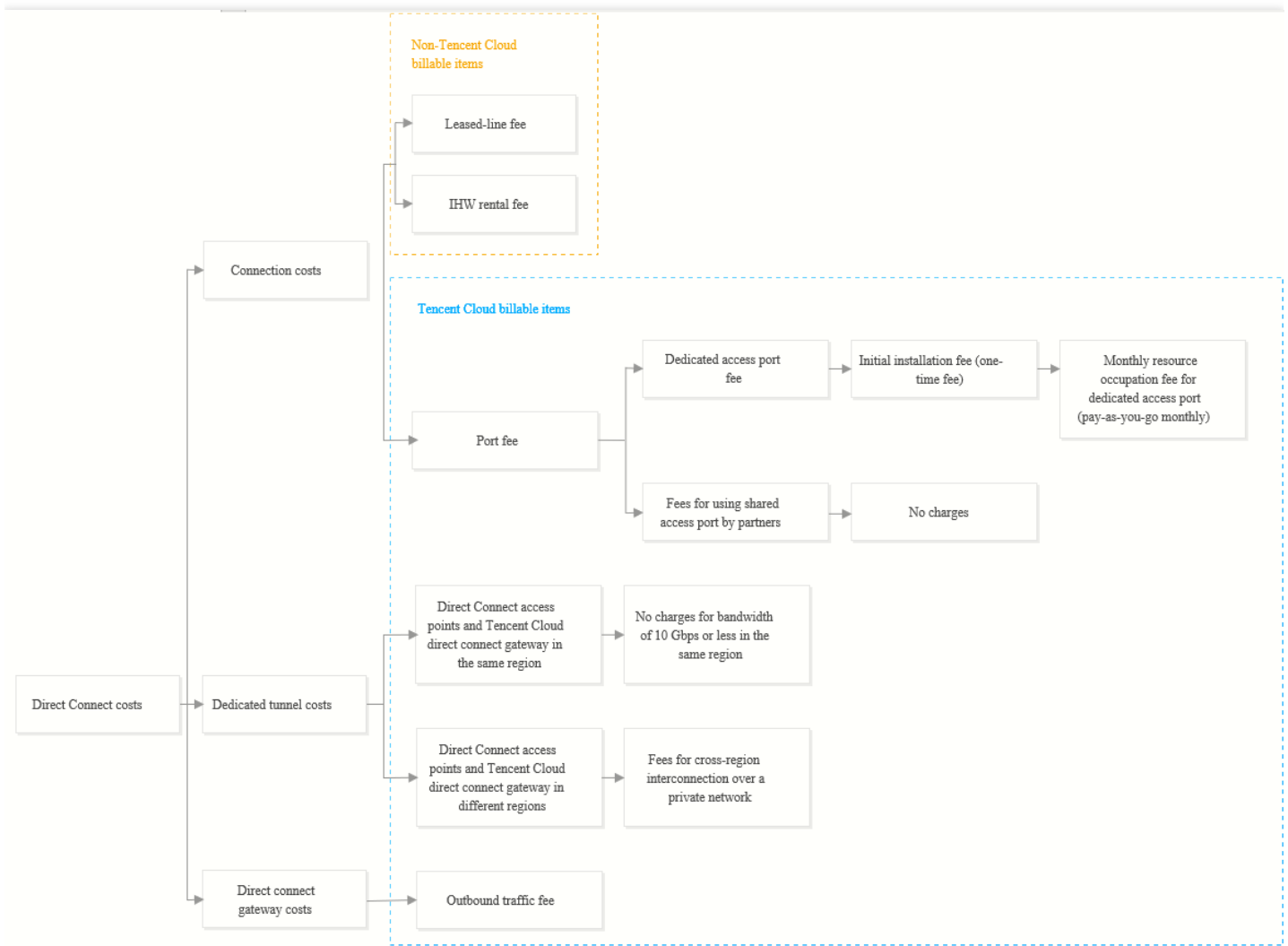
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This document describes the billing and pricing of connection, dedicated tunnel and direct connect gateway.

### Billing Description

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

The figure below specifies the fees:



## 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

- The charges for a dedicated access port include initial installation fee and monthly resource occupation fee for the dedicated access port.

#### Note :

Starting from February 1, 2021, all the new connections will be exempted from the initial installation fee.

- You do not need to pay the initial installation fee or resource occupation fee for access through a shared access port.

### • Non-Tencent Cloud billable items

- Leased-line fee: you should pay your carrier for the leased line between your local IDC and the Tencent Cloud Direct Connect access point. You can also purchase the Direct Connect service in the [Tencent Cloud Market](#).
- In-house wiring (IHW) rental fee: Direct Connect access points in non-Tencent properties are generally deployed in neutral IDCs. Therefore, fiber-to-the-building (FTTB) and IHW rental fees 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.

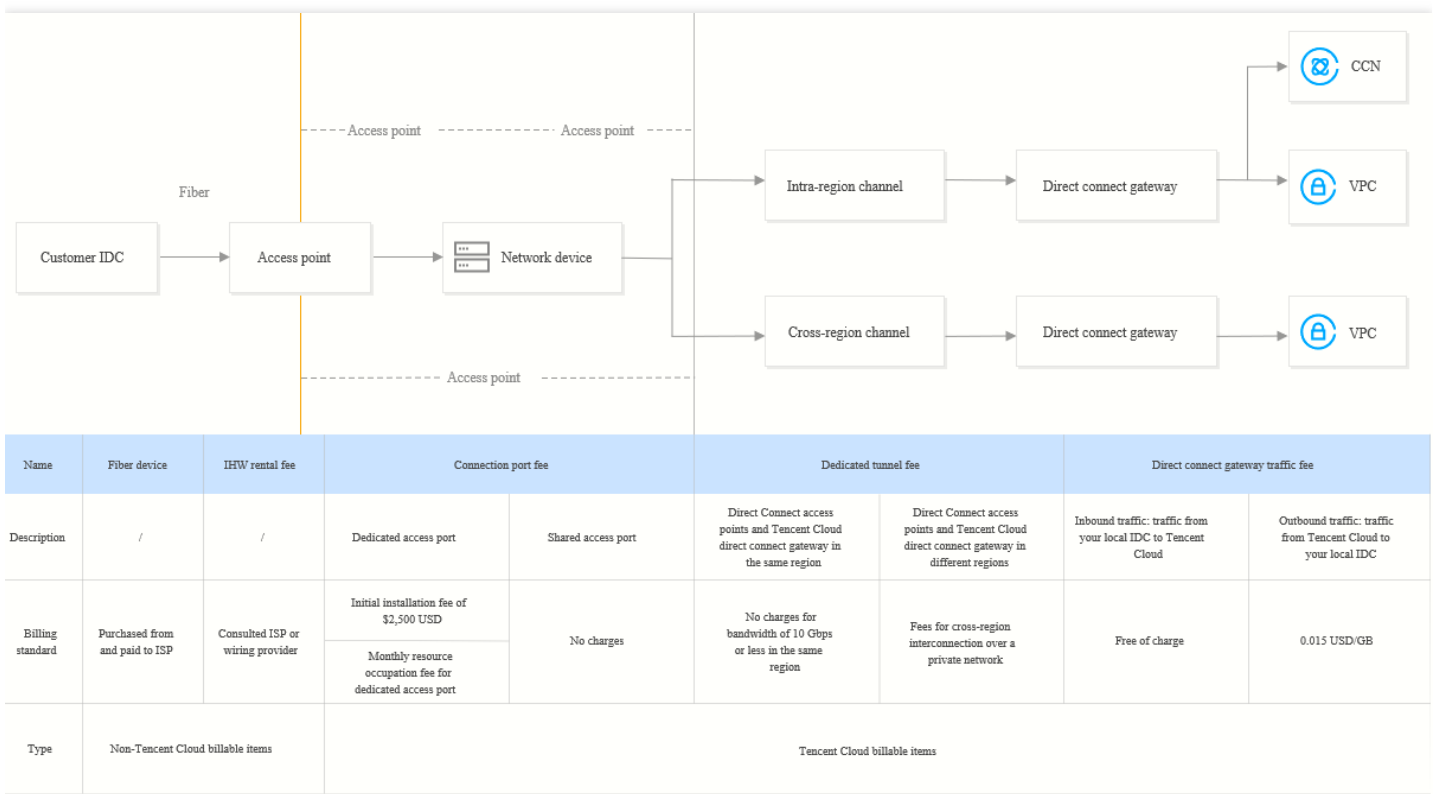
## Direct connect gateways

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 at a rate of 0.015 USD/GB.

## Pricing Description

Direct Connect is billed as follows.



### Dedicated access port fee

- **Initial installation fee:** one-time access fee of \$2,500 USD.

**Note :**

Starting from February 1, 2021, all the new connections will be exempted from the initial installation 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 fees = initial installation fee + (number of valid days in the month / number of calendar days in the month) \* monthly rate for the port.

| Billable Item  | Access Port Specification | Fees (USD/month) |
|--|---------------------------|------------------|
| Resource occupation fee (Chinese mainland)             | 1 GbE or below            | 90               |
|  | 10GE                      | 746              |
|  | 100GE                     | 5,224            |
| Resource occupation fee (outside the Chinese mainland) | 1 GbE or below            | 224              |
|  | 10GE                      | 1,642            |
|  | 100GE                     | 11,940           |

### 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 within 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:** fees = (total outbound traffic of all direct connect gateways - 50 TB) \* 0.015 USD/GB after the free tier is used up.

| Billable Item    | Total Outbound Traffic | Fees  |
|------------------|------------------------|---|
| Inbound traffic  | -                      | Free of charge  |
| Outbound traffic | <= 50TB                | Free of charge without bills. This free tier will be cleared on the last day of every month, which cannot be accumulated. |
|                  | > 50TB                 | 0.015 USD/GB  |

**Note :**

The free tier will become unavailable after December 2, 2022. And then, all outbound traffic of direct connect gateways will be charged at 0.015 USD/GB.

**Cross-region dedicated tunnel bandwidth resource fee****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 Fee (USD/Mbps) |
|----------------------|------------------------|
| [0, 10)              | 85                     |
| [10, 20)             | 63                     |
| [20, 50)             | 45                     |
| [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.

# Purchase Method

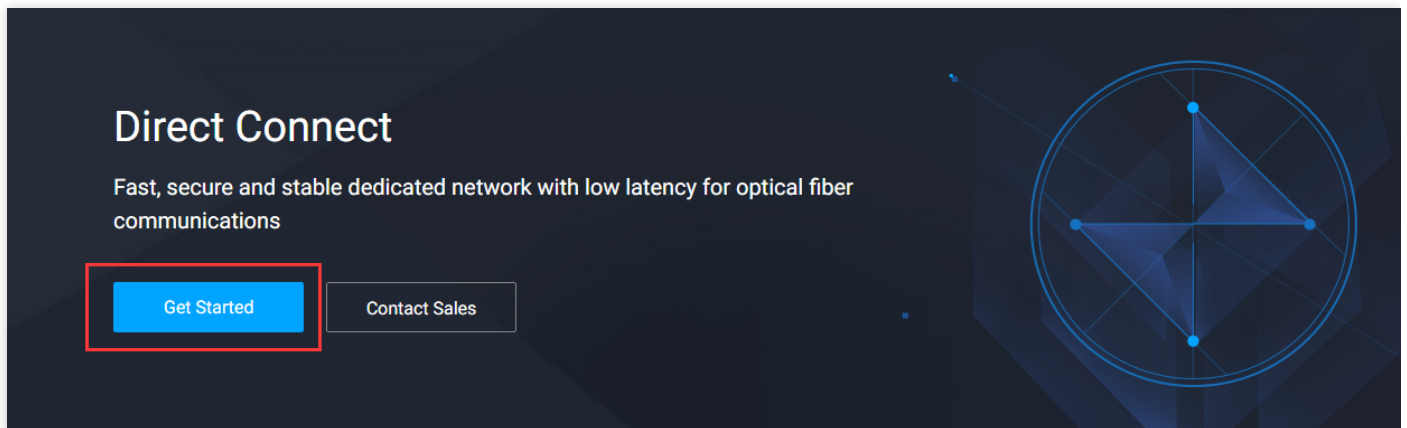
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You can purchase the Direct Connect service directly from [Tencent Cloud's official website](#).

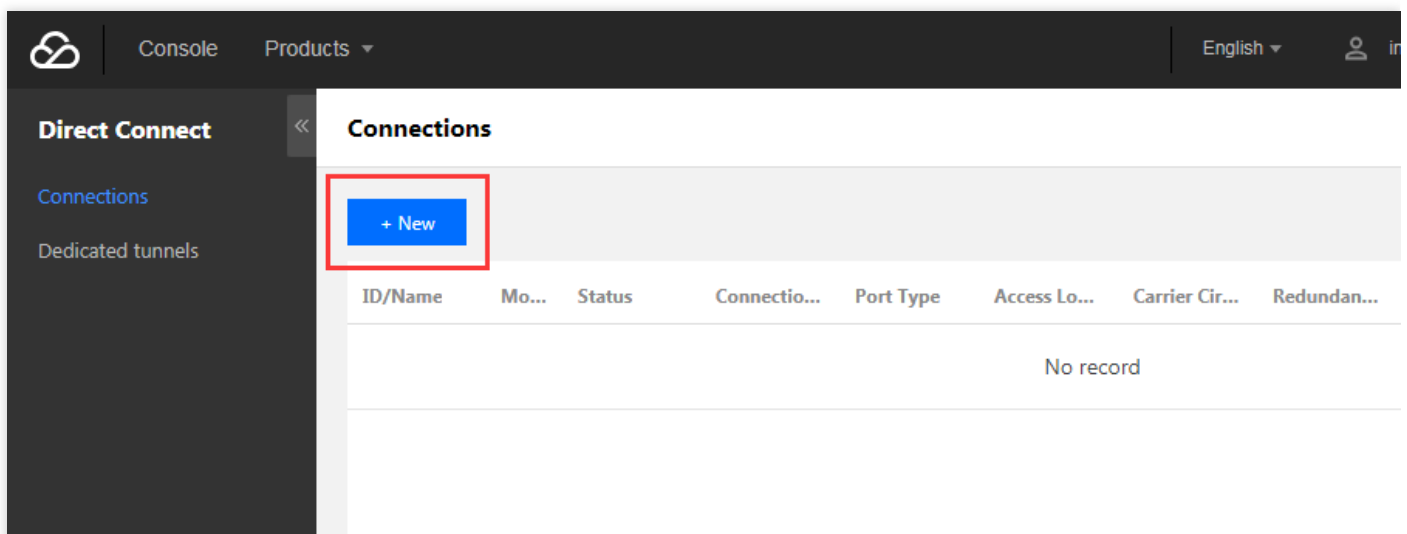
This document describes how to do so in detail.

## Purchasing a Connection

1. Go to Tencent Cloud's official website, log in and go to the [Direct Connect product page](#).
2. Click **Get Started** to enter the Direct Connect Console.



3. Click **+New** on the Connections page.



4. Fill in the fields and click **OK**. After the application is approved, make the payment.

The screenshot shows the 'Create Connections' form in the Tencent Cloud Direct Connect console. The form includes the following fields and options:

- Connection Name:** Text input field with a note: "60 more chars allowed".
- Connection Provider:** Dropdown menu with "Please select" as the current selection.
- Cloud access point:** Dropdown menu with "Please select" as the current selection and an information icon. A note below reads: "For the fiber-to-the-building cost issues, please contact your connection provider, or you can purchase FTTB service directly from the relevant IDC operator."
- Cloud port type:** Dropdown menu with "1000M electric interface" as the current selection. A note below reads: "Please double confirm the cloud port type with your connection provider, so as to prevent project delay caused by port changing during construction".
- Your Premise:** Text input field with a note: "Enter your data center address (accurate to floor)".
- Bandwidth:** Dropdown menu with "2 Mbps" as the current selection. A note below reads: "The connection bandwidth you purchased from the connection provider".
- Carrier Circuit ID:** Text input field with a note: "Optional (can be implemented later)". A note below reads: "The unique ID of this line in Tencent Cloud data center. It's provided by the direct connect provider".
- Redundant Connection:** Dropdown menu with "None" as the current selection. A note below reads: "Please select an access point different with the one of redundant connection for the new added line. You can configure the master/slave and load balancing relationship on dedicated tunnel or CCN configurations."
- Applicant Name:** Text input field.
- Applicant Mobile:** Text input field.
- Applicant Email:** Text input field.

A blue information box at the bottom of the form contains the following text:

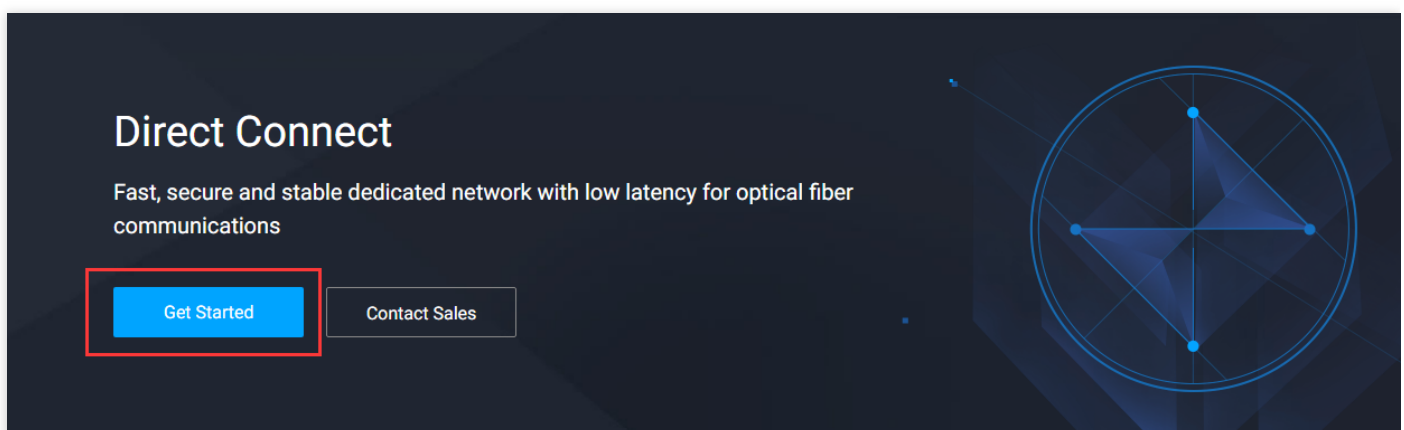
After receiving the application, Tencent Cloud will contact the applicant for details of the request and start construction after confirmation.  
If you have multiple physical direct connects, please select different access points as much as possible to ensure a high reliability of hybrid cloud.

### Note:

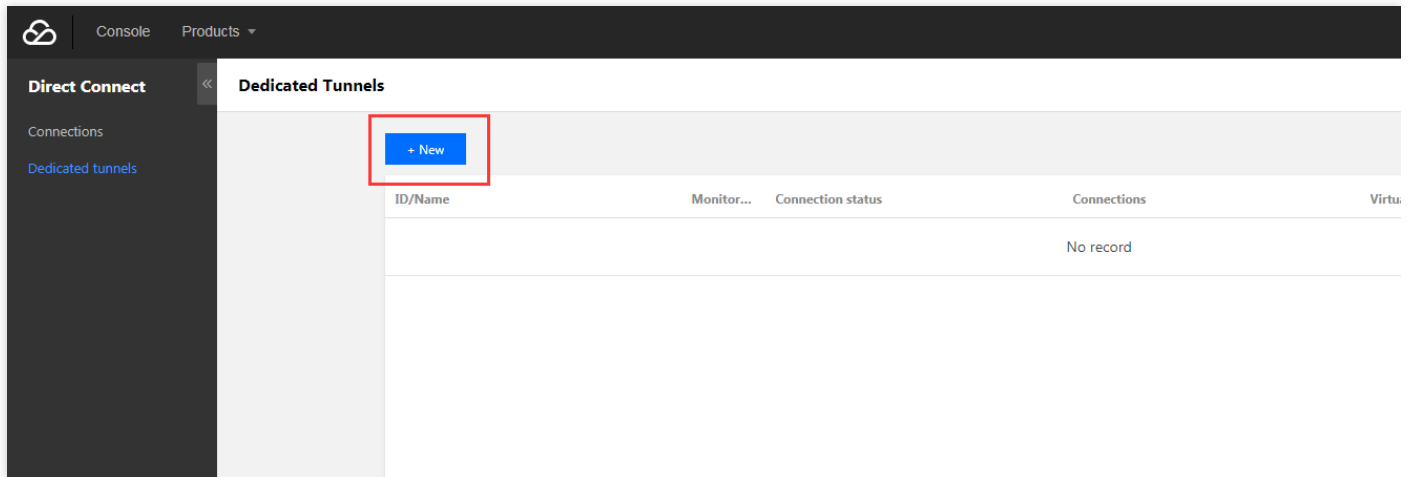
For specific directions, see [Applying for a Connection](#).

## Purchasing a Dedicated Tunnel

1. Go to Tencent Cloud's official website, log in and go to the [Direct Connect product page](#).
2. Click **Get Started** to enter the Direct Connect Console.



3. Click **+New** on the Dedicated Tunnels page.



4. Fill in the fields and click **Next** to complete advanced configuration.

The screenshot shows the configuration form for a Dedicated Tunnel. The form includes the following fields and options:

- Name:** Text input field with placeholder 'Please create your Dedicated Tunnel name' and a note '60 more chars allowed'.
- Connection:** Radio buttons for 'Connections' and 'Shared Connections' (selected).
- Type:** Section header.
- Provider:** Text input field with placeholder 'Enter the other side's Tencent Cloud primary ac' and an information icon.
- Account ID:** Text input field.
- Shared:** Text input field with placeholder 'Enter direct connect ID of the sharer (dc-xxxxx)'.
- Connection ID:** Text input field.
- Access Network:** Radio buttons for 'Virtual Private Cloud' (selected) and 'CCN'.
- Region:** Dropdown menu with 'South China (Guangzhou)' selected.
- Virtual Private Cloud:** Dropdown menu with 'VPC1 (vpc-p1wzulop | 192.168.0.0/16)' selected.
- Direct Connect:** Dropdown menu with a refresh icon.
- Gateway:** Text 'No available direct connect gateway' with a link 'Create Now'.
- Tunnel Cost:** Text 'It will incur charges if the connection access point and the access network locate in different cities. Pricing Details'.

At the bottom right, there are 'Next' and 'Cancel' buttons.

### Note:

For specific directions, see [Applying for a Tunnel](#).