

Virtual Private Cloud Purchase Guidelines Product Documentation



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Overview

Free Products:

- VPCs, subnets, routing tables, high-availability virtual IPs, network ACLs, security groups, Direct Connect gateways, VPN tunnels, peer gateways and network detection are free of charge.
- Intra-region communication over private network is free of charge. This means that communication among instances in different subnets does not incur bandwidth fees, and intra-region peering connections are free of charge too.
- Tencent Cloud service prices in VPC and basic networks are the same. There are no surcharges such as CVM and TencentDB.

Paid Products:

- Communication over public network incurs fees. For more information, see [Public Network Billing Methods](#).
- NAT gateways, VPN gateways and cross-region peering connections are paid services. See below for more information.

NAT Gateway

NAT Gateway fees consists of the gateway usage (billed hourly) and the Internet access traffic.

- See the table below for gateway fees.
- For details of traffic fees (in USD/hour), see the "Bill-by-traffic" section in [Public Network Billing Methods](#).

Type	Mainland China	Singapore, Silicon Valley, Virginia, Frankfurt, Hong Kong (China), Korea, Russia & Japan	Mumbai	Toronto & Bangkok
Small (up to 1 million connections)	0.089	0.13	0.18	0.14
Medium (up to 3 million connections)	0.28	0.39	0.54	0.42
Large (up to 10 million connections)	0.89	1.3	1.8	1.4

- If the bandwidth package (BWP) feature is activated, fees of the outbound traffic generated by the NAT gateway will be deducted from the BWP (which means the network traffic will not be repeatedly billed). We recommended that you limit the outbound bandwidth of the NAT gateway to avoid high BWP fees. For details, see [Shared Network Billing](#).
- Arrears measures are the same as pay-as-you-go CVM instances. For details, see [CVM Arrears Reminder](#).
- NAT Gateway features dual-server hot backup. The system sends a 5KB detection packet to the master and slave servers of NAT Gateway respectively every 3 seconds, so 0.2747GB of traffic will be generated every day.

VPN Connection

- VPN tunnels and peer gateways are **free of charge**.
- VPN Gateway is pay-as-you-go. See below for details.

Pay-as-you-go

Pay-as-you-go fees consists of the public network access traffic fees and an hourly gateway fee.

- For detailed traffic fees, see "Bill-by-traffic" section in [Public Network Billing Methods](#).
- See the table below for gateway fees in USD/hour:

Region	Mainland China	Silicon Valley, Virginia, Frankfurt, Hong Kong (China), Korea & India	Toronto, Singapore & Thailand
Price	0.078	0.088	0.12

Peering Connection

Intra-region peering connections are free of charge.

Cross-region peering connections incur fees that should be paid by the connection initiator. Two billing methods are supported:

Billed by the daily peak. See below for details.

Billed by the monthly 95th percentile peak. See the corresponding section below for details. This billing method is currently in beta. If you wish to use it, [submit a ticket](#) for application.

Billed by Daily Peak

Calculation formula: Daily fees = bandwidth peak of the day * tiered unit price.

Daily bandwidth peak calculation method: The inbound and outbound bandwidth values are taken once every 5 minutes, and the highest value of the day is used as the daily bandwidth peak.

Billing cycle: Daily.

Billing method: Pay-as-you-go on a daily basis.

Price overview:

Billable item	Billing tier (Mbps)	Cross-region communication price for mainland China (excluding Hong Kong (China)) (USD/Mbps/day)
Cross-region peering connection	(0,20]	3.19
	(20,100]	1.98
	(100,500]	1.48

	(500,2000]	1.19
	> 2000	0.82

1. For prices of communication between regions outside mainland China and other regions, please consult your Tencent Cloud business manager.

2. To make it easier for you to view the fees, the billing system describes peering connections as: cross-region communication (mainland China) bill: bill for peering connections where both sides are in mainland China.

3. Currently, cross-region communication over basic network is not supported for Shanghai Finance, Shenzhen Finance and Silicon Valley.

Daily peak billing example:

If the peering connection initiator is in Shanghai and the recipient is in Guangzhou, the outbound bandwidth peak of the day is 20Mbps and the inbound bandwidth peak of the day is 30Mbps, then the fees for the day is: $30 * 1.98 = \text{USD } 59.4$, which should be paid by the initiator.

Billed by the Monthly 95th Percentile Peak

Calculation method: Monthly fees = the monthly 95th percentile bandwidth peak * valid day proportion * tiered unit price

1. Monthly 95th percentile bandwidth peak

In a natural month, the inbound and outbound bandwidth values are taken once every 5 minutes on each valid day (when bandwidth is consumed), then the taken values are sorted in descending order, the first 5% of the values are removed, and the remaining highest value is used as the monthly 95th percentile bandwidth peak.

2. Valid day proportion

Valid proportion = valid days/number of days in the natural month

Between the previous month's billing date and the current month's billing date, a day that consumes more than 1Kbps of bandwidth is recorded as a valid day.

Billing cycle: Monthly.

Billing method: Pay-as-you-go on a monthly basis.

Price overview:

For details of cross-region communication in mainland China, see the table below:

Tier (Mbps)	Price (USD/Mbps/month)
0 - 10	85
10 - 20	63
20 - 50	43
50 - 100	34
100 - 200	25
200 - 500	18
500 - 1,000	14
1,000 - 2,000	11
2,000 or more	10

For prices of communication between regions outside mainland China and other regions, please consult your Tencent Cloud business manager.

Monthly 95th percentile peak billing example

Billing for a customer officially starts on February 1, 2017, and the contracted price is USD P/Mbps/month.

Assuming that there are 14 days in February when the consumed bandwidth is over 1Kbps, the billable bandwidth for all the 14 days has 14 * 288 statistical points, the highest 5% points are

removed, so Max95 is the highest one in the remaining statistical points, which is the billable bandwidth, and the fees for February is: $\text{Max95} * P * 14 / 28$.

How to Purchase

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1. Purchase Through Console

Such operations as network segmentation, specification of routing and purchase of VPN gateway for tunnel building can be performed on the console.

2. Purchase Through API

For more information, refer to [Virtual Private Cloud API](#)

Expiration and Arrears Reminder

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1. Expiration Reminder for VPN Gateway

- When your VPN expires, you can continue to use VPN gateway for another 7 days. You can renew the VPN gateway during this period. The new validity period will be calculated starting from the last expiry time. In other words, you need to pay the fees for the use of VPN gateway between the last expiry time and the time of renewal.
- If you fail to make the payment within 7 days after the expiry of VPN gateway, the gateway will be automatically destroyed, along with all the entries associated with this VPN gateway in the routing table.

2. Arrears Reminder for NAT Gateway

- When your balance falls below zero, you can continue to use NAT gateway for the next 2 hours. We will also continue to bill you for this usage.
- After 2 hours, if your account is not topped up to a positive balance, NAT gateway service and billing will automatically be stopped. Your service will remain unavailable if your balance is not positive within 24 hours after automatic shutdown. If your balance is positive, NAT gateway service and billing can be resumed.
- If your balance remains negative more than 24 hours after automatic shutdown, NAT gateway will be repossessed. Email and SMS notifications will be sent to the Tencent Cloud account creator and all collaborators.

3. Arrears Reminder for Cross-region Peering Connection

- When your balance falls below zero, you can continue to use Cross-region Peering Connection for the next 7 days. We will also continue to bill you for this usage.

- After 7 days, if your account is not topped up to a positive balance, your bandwidth cap for the Cross-region Peering Connection will become 0 (the connection becomes unavailable), and billing will automatically be stopped.
- If your balance is positive, Cross-region Peering Connection will resume its availability with the bandwidth cap returning to the value set by user.