Cloud Virtual Machine

Purchase Guide

Product Introduction

Contents

Purchase Guide
Price Overview

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You can click CVM Price Calculator to see the price of your desired product portfolio, estimate resource costs, add purchase budget lists, and carry out one-key purchase.

Note: To ensure the accuracy of prices, please log in first.

Instance Price Schedule

Disk Price Schedule

Network Price Schedule

Purchasing Channels

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Tencent Cloud users can purchase CVMs either from the official website or via the API.

Purchasing from Official Website

Users can purchase CVMs on Tencent Cloud official website. Tencent Cloud CVM provides pay-as-you-go pricing, which is accurate to seconds and settled on an hourly basis. For more information, please see CVM Billing Methods.

Follow the steps below to purchase CVMs on Tencent Cloud website:

1. Log in to the CVM purchase page.
2. Select region, availability zone, series, model, hardware, network type and network billing method as needed.
3. After confirming the order, you can pay with your balance.
4. he CVM is launched immediately after the payment is completed. The IP address will display in 10 minutes, which can be managed by logging in to the CVM.

Note:

- Make sure that your account has sufficient balance. CVMs in arrears may be reclaimed.
  For more information, please see Expiry Reminder.
- See CVM Instance Price, Disk Price, Purchase Network Bandwidth and other help documents for more configurations, and purchase as needed.
- For more instructions and notes, please see Purchase Instructions on the official website.

Purchasing via API

For more information on how to purchase a CVM via the API, please see the API document Create Instance.

Purchase Instances
Pricing Modes

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Tencent Cloud CVM offers pricing model:pay-per-use, which are designed respectively for user needs in different scenarios.
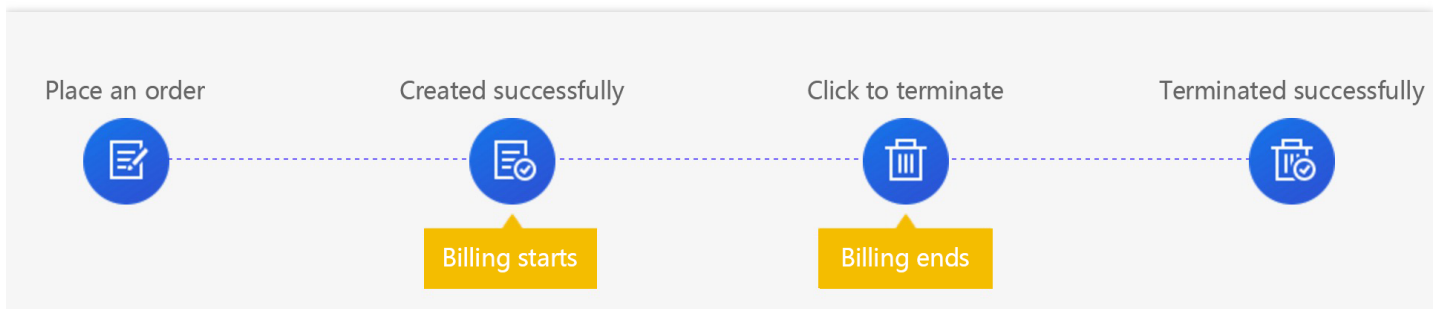
1. Postpaid

For postpaid CVMs, you can activate/terminate them at any time and pay accroding to your actual usage. Billing reference period is accurate to **seconds**. Advance payment is not required and settlement is made every hour on the hour. Applicable to online scare buying and other scenarios with highly fluctuating equipment demands.

When you activate a postpaid CVM instance, the system will freeze in advance one-hour hardware (including CPU, memory, and data disk) fees for the CVM and make settlement every hour on the hour (Beijing time, based on your last-hour actual CVM usage. The hourly unit price of CVM instances is displayed upon purchase, and settlement is made by **actual seconds**, with costs rounded to two decimal places. Billing starts at the point when the CVM instance is created successfully, and ends at the point when you initiate a termination operation.

One-hour fees will be frozen when a postpaid CVM is created. When you adjust configuration of the postpaid CVM, the system unfreeze the already frozen fees and freeze another fees based on the unit price of the new configuration. When the CVM instance is terminated, the frozen fees become unfrozen.

Billing in seconds, no cost waste
Billing starts when the CVM instance is created successfully, and ends when you initiate a termination operation.

Click the links below for more information on pay-per-use instructions.

For prices of postpaid CVM instances, see here

For configuration of postpaid CVM instances, see here

For expiration reminder for postpaid CVMs, see here

For adjusting instance configuration of postpaid CVMs, see here

Notes for Purchasing from Console

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This section demonstrates how to purchase CVMs on the official website and describes some important considerations.

To purchase CVMs, please see CVM purchase guides:

- Create a Windows CVM
- Create a Linux CVM

Quota for CVM Instances

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Purchase Limits for Prepaid CVM Instances

A fixed quota of Tencent Cloud prepaid CVMs in each availability zone is allocated for each user.

- For each user in each availability zone, the monthly quota for newly purchased prepaid CVM instances (not net increase) is 150. The quotas in different availability zones are calculated independently.
- The quota of prepaid CVM instances only includes the quantity of **newly purchased** instances. Existing CVMs and expired CVMs are not included.
- The quota calculation cycle is one calendar month.
  For example:
  The calculation cycle for February 2016: February 1, 00:00:00 - February 29, 23:59:59.
  The calculation cycle for May 2017: May 1, 00:00:00 - May 31, 23:59:59.
- If the number of instances you need to purchase exceeds the quota limit in the corresponding region, you can submit an application for increasing the quota. Tencent Cloud will assess your actual needs and increase your quota as appropriate. The increased quota is valid in the current month and will revert to the original value from the 1st of the next month.
  How to apply for quota increase:
  Submit a ticket. Select **Application for increasing CVM quota** and select your CVM type. Enter the target region, the target quota and the CVM configuration, and the application reason and problem description based on the actual situation, and your valid phone number, and then click **Submit the Ticket**.

> **Note:**
>
> - To get a quota for one availability zone or get a unified quota for multiple availability zones, you simply need to select the availability zone(s) and enter the target quota.
> - To get different quotas for multiple availability zones, you need to apply for them separately.

Purchase Limits for Postpaid CVM Instances

- You need to go through identity verification before purchasing postpaid CVM instances. Unverified users cannot purchase postpaid CVM instances.

Steps for identity verification:

Go to the User Center. Click **Verification** in **Account Information** to complete identity verification.
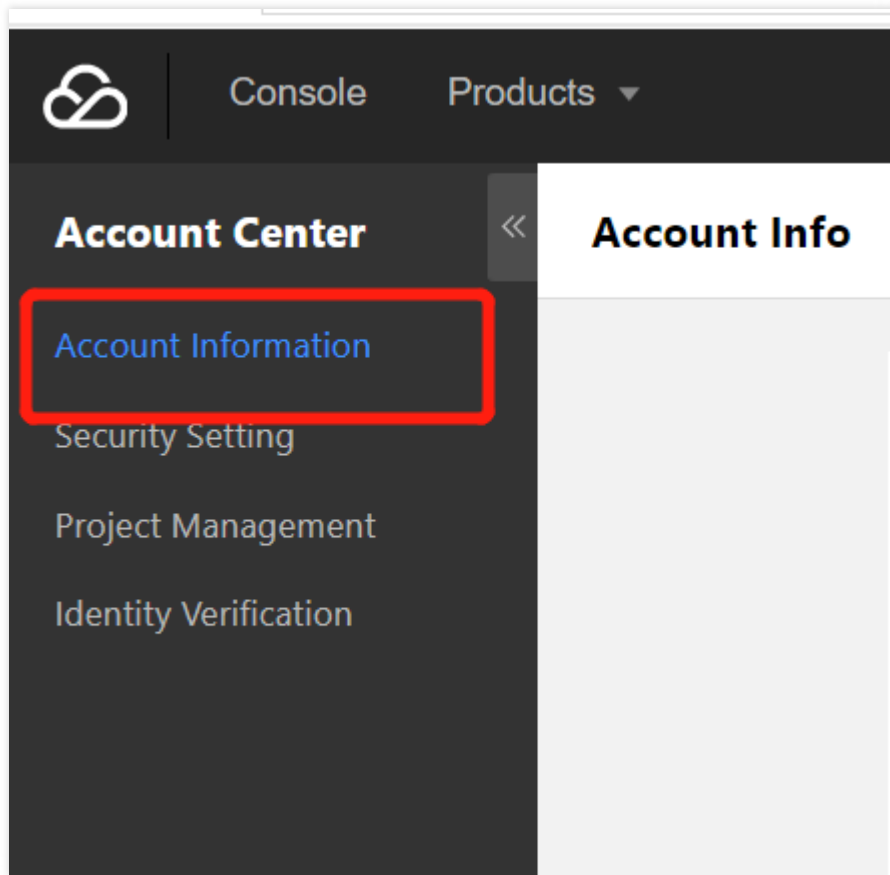
For more information on verification steps, please see Identity Verification Guide.

The followings are **not supported** for postpaid CVM instances:

- Agents paying on behalf

- Purchasing with vouchers

- 5-day unconditional refund

- Changing to the prepaid mode

- Shared cores

- Bandwidth package and postpaid on a monthly basis

- For each user, the **quota** of postpaid CVM instances in each availability zone is 30.

Network Bandwidth Purchase
Public Network Billing Methods

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BGP multi-line access is provided by Tencent Cloud for all ISPs to ensure the link quality. You can choose a billing method based on your business needs.

Choose one of the following billing methods for Tencent Cloud Prepaid and Postpaid CVMs.

Bill-by-bandwidth

CVMs are billed by the public network outbound bandwidth (in Mbps).

Feature: Billing by fixed bandwidth has a lower rate than that of billing by traffic and is suitable for users with consistent usage of network bandwidth.

Distribution of public network inbound bandwidth:

- If the fixed bandwidth purchased by users is larger than 10 Mbps, Tencent Cloud distributes the public network inbound bandwidth that is equal to the purchased bandwidth.
- If the fixed bandwidth purchased by users is less than 10 Mbps, Tencent Cloud distributes 10 Mbps public network inbound bandwidth.

Bill-by-traffic

CVMs are billed by the public network outbound traffic (in GB).

Feature: Billing by traffic is simple on a pay-as-you-go basis and is suitable for customers with fluctuating network requirements to cut cost. To avoid a high cost caused by the traffic surge, you can set a bandwidth cap. If this limit is exceeded, packet loss occurs by default with no cost incurred.

> **Note:**
> If the bandwidth is set to 0 Mbps, the CVM instance is not assigned with a public IP. In this case, the outbound traffic is not supported and the CVM instance cannot be used as public gateway. Please choose with caution.

Exclusive Public Network Billing

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Before reading this document, you need to learn about CVM's Overview of Billing Methods for Public Network.

This document describes the billing methods of the exclusive public network. For more information on the billing methods of the shared network, please see Billing of Shared Public Network.

Overview

Exclusive network means that each CVM you purchased in Tencent Cloud uses an independent public network, and the fee of each CVM is settled separately.

Tencent Cloud provides various billing methods for the exclusive networks used by different CVMs:

CVM	Exclusive Public Network Billing Methods
Prepaid CVM	(Prepaid) Bill-by-bandwidth, Bill-by-traffic
Postpaid CVM	(Postpaid) Bill-by-bandwidth, Bill-by-traffic

- **Bill-by-bandwidth** is similar to the bandwidth-based billing for home networks provided by ISPs. In this mode, CVMs are billed by the specified maximum bandwidth instead of the actual usage. The network speed is subject to the maximum bandwidth.
- **Bill-by-traffic** is similar to the traffic-based billing provided by ISPs. In this mode, CVMs are billed by the actual traffic usage. Because both prepaid and postpaid CVMs are billed by the outbound traffic of each CVM on an hourly basis (in GB), we will only describe this mode for once.

> **Note:**
> You can switch the billing method for each CVM between bill-by-bandwidth and bill-by-traffic for only twice.

Bill-by-Bandwidth for Prepaid CVMs

Prepaid bill-by-bandwidth is an exclusive network billing method for prepaid CVMs. You can select the bandwidth value for a single CVM. The bandwidth fee is included in the total price along with CVM and

disk fees. After you choose the time (mm/yy) and pay the charge, you can use the CVM, hard disk and network during this time. Note: Packet loss occurs when the instantaneous bandwidth of a single CVM exceeds the maximum bandwidth.

The average network fee of the prepaid bill-by-bandwidth is less than that of the bill-by-traffic. The prepaid bill-by-bandwidth is suitable for users consuming stable network bandwidth.

Billing standard

The unit price varies depending on regions and bandwidth options. The details are shown as follows:

Region	Bandwidth≦2 Mbps	2 Mbps< Bandwidth≦5 Mbps	Bandwidth>5 Mbps
Guangzhou Shanghai Beijing Hong Kong Singapore	20 CNY/Mbps/month	≦2 Mbps: 20 CNY/Mbps/month >2 Mbps: 25 CNY/Mbps/month	≦2 Mbps: 20 CNY/Mbps/month \2 Mbps>5 Mbps: 90 CNY/Mbps/month
Chengdu	18 CNY/Mbps/month	≦2 Mbps: 18 CNY/Mbps/month >2 Mbps: 22 CNY/Mbps/month	≦2 Mbps: 18 CNY/Mbps/month \ 2 Mbps>5 Mbps: 80 CNY/Mbps/month

Region	Bandwidth≦5 Mbps	Bandwidth>5 Mbps
Toronto Silicon Valley	30 CNY/Mbps/Hour	≦5 Mbps: 30 CNY/Mbps/Hour >5 Mbps: 100 CNY/Mbps/Hour
Korea Frankfurt	20 CNY/Mbps/Hour	≦5 Mbps: 20 CNY/Mbps/Hour >5 Mbps: 80 CNY/Mbps/Hour

Purchase procedure

In the **Select a region and a model** step, select **Prepaid** as the **billing method**; in the **Select a storage and a network** step, select **Bill-by-bandwidth** as the **bandwidth-based billing method**; and select the **bandwidth** as needed. Network costs are included in the total charges.

Network adjustment

This billing method supports adjusting network bandwidth. You can upgrade the bandwidth within the prepaid period, but cannot degrade the bandwidth.

Billing description

If you select the prepaid bill-by-bandwidth mode, you need to purchase the maximum public network outbound bandwidth (QoS), and pay service fees for one month, several months, even several years in advance. If the peak bandwidth exceeds QoS, packet loss occurs.

> **Note:**
> The prepaid bill-by-bandwidth mode of the exclusive network is only available for prepaid CVMs.

Bill-by-Bandwidth for Postpaid CVMs

Postpaid bill-by-bandwidth is an exclusive network billing method for postpaid CVMs. You can select the bandwidth value for a single CVM. The bandwidth fee is included in the unit price per hour along with CVM and disk fees. After you select your configuration options, the system freezes the unit price of the product for an hour and settles the service fees for the preceding cycle every hour on the hour. The billing is accurate to seconds. Note: Packet loss occurs when the instantaneous bandwidth of a single CVM exceeds the maximum bandwidth.

The charges billed in postpaid bill-by-bandwidth mode are subject to your configurations and usage period. This mode is suitable for customers requiring highly flexible host loads.

Billing standard

The unit price varies depending on regions and bandwidth options. The details are shown as follows:

Region	Bandwidth≦5 Mbps	Bandwidth>5 Mbps
Mainland China, Toronto, Silicon Valley, Korea and Frankfurt	0.063 CNY/Mbps/Hour	≦5 Mbps: 0.063 CNY/Mbps/Hour >5 Mbps: 0.25 CNY/Mbps/Hour
Hong Kong	0.08 CNY/Mbps/Hour	≦5 Mbps: 0.08 CNY/Mbps/Hour >5 Mbps: 0.25 CNY/Mbps/Hour
Singapore and Chengdu	0.0625 CNY/Mbps/Hour	≦5 Mbps: 0.0625 CNY/Mbps/Hour >5 Mbps: 0.25 CNY/Mbps/Hour

> **Note:**
>
> - If you change the network bandwidth for one or more times within one hour, the CVM is billed based on the maximum bandwidth.
> - Billing is accurate to seconds and settled on an hourly basis.

Purchase procedure

In the **Select a region and a model** step, select **Postpaid** as the **billing method**; in the **Select a storage and a network** step, select "Bill-by-bandwidth" as the **bandwidth-based billing method**; and select the **bandwidth** as needed. Network cost billing and CVM cost billing are separated, but both are accurate to seconds and settled on an hourly basis.

Network adjustment

This billing method supports adjusting (upgrading or degrading) bandwidth at any time. If the bandwidth is changed several times during an hour, the billing is based on the highest bandwidth tier.

Billing description

If you select the postpaid bill-by-bandwidth mode, you need to specify the maximum public network outbound bandwidth (QoS) and pay service fees based on the actual usage period. The billing is accurate to seconds and is settled on an hourly basis. If the peak bandwidth exceeds QoS, packet loss occurs.

> **Note:**
>
> The postpaid bill-by-bandwidth mode of the exclusive network is only available for postpaid CVMs.

Bill-by-traffic

The network fees billed by traffic depend only on the outbound traffic of a single CVM, regardless of the CVM billing method (prepaid or postpaid). You can set the maximum bandwidth for the CVM. Packet loss occurs when the instantaneous bandwidth exceeds this limit.

Bill-by-traffic is simple and pay-as-you-go. The network cost depends on the outbound traffic per unit time. This mode is suitable for customers with fluctuating network requirements to cut cost.

Billing standard

The unit price of the traffic varies by regions. The details are shown as follows:

Region	Price
Mainland China, Singapore, Korea and Frankfurt	0.80 CNY/GB
Hong Kong	1.00 CNY/GB
Toronto, Silicon Valley	0.50 CNY/GB

Purchase procedure

In the **Select a region and a model** step, select **Prepaid** or **Postpaid** as the **billing method**; in the **Select a storage and a network** step, select **Bill-by-traffic** as the **bandwidth-based billing method**. Network costs are billed separately based on the actual traffic usage. The billing is accurate to seconds and is settled on an hourly basis.

Network adjustment

This billing method supports adjusting (upgrading or degrading) the bandwidth cap at any time and the change takes effect in real time.

Billing description

Bill-by-traffic is calculated based on the actual outbound traffic. You can prevent traffic overflow in a short time by setting the maximum bandwidth.

Bandwidth cap options

Bandwidth cap: The options vary with different payment methods and CVM configurations. For more information, please see Bandwidth Cap of Public Network.

> **Note:**
>
> The postpaid bill-by-traffic mode of the exclusive network is available for prepaid and postpaid CVMs.

Example

Example 1

Suppose you buy a prepaid instance with the bandwidth of 5 Mbps for one month. The cost is 20 * 2 + 25 * 3 = 115 (CNY).
Suppose the average bandwidth usage is 3 Mbps = 0.375 MB/sec.

The traffic for this month is 0.375 MB/second * 30 *24 *60 *60 = 972,000 MB = 949.219 GB.

The cost in the bill-by-traffic mode is 949.219 GB * 0.80 CNY/GB = 759.375 (CNY)

If the required bandwidth is stable, the cost in the bill-by-bandwidth mode (115 CNY/month) is less than that in the bill-by-traffic mode (759.375 CNY/month).

If the required bandwidth is stable, the cost in the bill-by-bandwidth mode is less than that in the bill-by-traffic mode.

Example 2

Suppose you buy a prepaid instance with the bandwidth of 5 Mbps for one month. The cost is 20 * 2 + 25 * 3 = 115 (CNY).

The traffic in the bill-by-traffic mode is 115/0.8 = 143.75 GB.

Suppose that the traffic can reach 5 Mbps for 2.4 hours in 24 hours and ignore the traffic usage in other period. The traffic is: 0.625 * 30 * 2.4 * 60 * 60 /1024 = 158.20 GB (almost the same with the traffic consumed for using 5 Mbps for 2.4 hours in each day for a month).

2.4h/24h = 10%.

In this example (the bandwidth is less than 5 Mbps), we recommend the bill-by-traffic mode for users whose network utilization is less than 10%, and the bill-by-bandwidth mode for those whose network utilization is greater than 10%.

Shared Network Billing

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The bandwidth of shared network is calculated based on the total traffic curve of multiple CVMs under the same account and the user is billed by the total bandwidth.

This billing method saves the public network cost by staggering the use of public network bandwidth for multiple CVMs during peak hours. If CVM A and CVM B reach their peak bandwidth of 100 Mbps at 12:00 and 13:00 respectively, the total peak bandwidth is also 100 Mbps, which is used as the basis for billing.

Tencent Cloud provides a shared network service: billing by bandwidth package.

> **Note:**
> You can apply for activating shared network by submitting a ticket.

Billing by bandwidth package

Bandwidth package is a monthly billing method for shared network. After the bandwidth package service is activated, user is billed by the **monthly peak** of the shared bandwidth of the CVMs under the user account.

Billing standard

After you have activated the shared network by submitting a ticket, the CVMs and LBs under your account are automatically billed by shared bandwidth without the need to change configurations.

Region	Price of Bandwidth in Bandwidth Package
Beijing, Shanghai, Guangzhou, Hong Kong, Singapore, Silicon Valley	16.97 USD/Mbps
Toronto	16.97 USD/Mbps

At the time of settlement (at the end of each month or when the user unsubscribes the package), the system automatically calculates the "average daily bandwidth peak" as described below:

1. Calculate the daily bandwidth peak

   You can check the daily bandwidth peak of public network on the **Traffic Monitoring** page of the **Cloud Monitor** tab in the Tencent Cloud console. A bandwidth peak value is captured every 5 minutes

by default (288 values in total each day). The top four values among the 288 values are ruled out and the fifth largest value is taken as the daily bandwidth peak.

2. Calculate the average daily bandwidth peak

   The average daily bandwidth peak is the average of the bandwidth peaks for the top 5 days ranked by daily bandwidth peak for the usage period of the bandwidth package.

3. Calculate the bandwidth package charge

   ○ If the bandwidth package is used for not less than 30 days, the charge=Average daily bandwidth peak * Unit price.

   ○ If the bandwidth package is used for less than 30 days, the charge for the bandwidth package in Step 3 is calculated based on the average daily bandwidth peak calculated in Step 2. Actual charge=Bandwidth package charge * Actual number of usage days/number of days of the month.

Purchase procedure

To apply for activating this billing method, please submit a ticket.

Billing description

- If project-based billing is enabled, the system calculates the total charge for bandwidth package as described above and the average daily bandwidth peak individually for each project (as described in Step 2), and then calculates the charge payable for each project based on the proportions.

- For the bandwidth package purchased under an ordinary account, the bandwidth fee of the CVM originally prepaid by bandwidth will be returned to the complimentary account according to the number of usage days remaining.

Example

Assume that a user activates a bandwidth package on March 1. The package takes effect on the day of purchase. If the actual average daily bandwidth peak for March is 120 Mbps, then charge=120*108=12,960 CNY.

Public Network Bandwidth Limit

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Upper Limit of the Outbound Bandwidth (Downstream Bandwidth)

The upper limit of public network bandwidth is the upper limit of outbound bandwidth by default, that is, the bandwidth that flows out of CVM. The upper limit of public network bandwidth varies with different network billing methods. Details are as follows:

Network Billing Method	CVM		Available range of the upper limit of bandwidth (Mbps)
	CVM Billing Method	CVM Configuration	
Bill-by-Traffic	Postpaid CVM	ALL	0-100
	Prepaid CVM	Cores ≤ 8	0-200
		8 < Cores < 24	0-400
		Cores ≥ 24	0-400 or no speed limit
Bill-by-Bandwidth	Postpaid CVM	ALL	0-100
	Prepaid CVM	Guangzhou Zone 1 Guangzhou Zone 2 Shanghai Zone 1 Hong Kong Zone 1 Toronto Zone 1	0-200
		Other availability zones	0-1000
Shared bandwidth	ALL		0-200 or no speed limit

Upper Limit of the Inbound Bandwidth (Upstream Bandwidth)

The inbound bandwidth of public network is the bandwidth that flows into CVM instance.

- If the fixed bandwidth purchased by users is larger than 10 Mbps, Tencent Cloud assigns the public network inbound bandwidth that is equal to the purchased bandwidth.
- If the fixed bandwidth purchased by users is less than 10 Mbps, Tencent Cloud assigns 10 Mbps public network inbound bandwidth.

Billing for Elastic Public IP

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Billing

Public network fee

The EIPs bound to cloud product instances (such as CVM or NAT gateway) are free of charge. But you need to pay for public network traffic or public bandwidth when creating an EIP. For more information on the price, please see the pricing page. For more information on billing rules, please see purchasing public network.

Idle fee

For the bare IPs that are not bound with any cloud product instance and the bill-by-traffic EIPs, you are charged with a resource occupation fee based on the table below.

Region of the EIP	Price per Hour for EIPs Without Bindings (If the duration is less than 1 hour, the EIP is billed on a pro rata basis)
Mainland China and Frankfurt	0.20 CNY/hour
Hong Kong	0.30 CNY/hour
North America and Western U.S. (Silicon Valley)	0.25 CNY/hour
Singapore	0.30 CNY/hour

If the no-bindings duration is less than 1 hour, the EIP is billed **on a pro rata basis**. For example, if an EIP is idle for 30 minutes, it is billed as price per hour * 0.5 and is settled once an hour.

To guarantee efficient resource usage and to save your cost, you are recommended to release the EIPs that are no longer used. For more information on operation instructions, please see releasing EIPs.

Arrears Processing

For bare IPs, IPs billed by bandwidth on an hourly basis and IPs billed by traffic on an hourly basis:

- If your account balance has remained below 0 for more than **2** hours, the EIPs will be retained for 24 hours for free. All EIP addresses will be inoperable in the 24 hours, until the account balance has been topped up to an amount greater than 0.
- If your balance is still negative after the 24 + 2 hours, the EIPs will be released.

Service Expiration Reminders

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Postpaid CVMs

Arrears alert

For postpaid resources, fees are deducted on the hour. When your account balance is negative, we will notify Tencent Cloud account creator, global resource collaborators and financial collaborators via email and SMS.

Arrears processing

The CVM can still be used and billed **within 2 hours** after your account balance becomes negative. After 2 hours, the CVM will be automatically shut down and the billing will be stopped.

After automatic shutdown:

- Within 24 hours, when the balance is topped up to an amount greater than 0, you can start up the CVM and the billing will continue.
- Within 24 hours, if your account balance is not topped up to an amount greater than 0, you cannot start up the CVM.
- If your balance has been negative for 24 hours, the postpaid CVM will be reclaimed, and all data will be cleared and cannot be recovered.
  When reclaiming the CVM, we will notify the Tencent Cloud account creator and all the collaborators via email and SMS.

> **Notes:**
>
> - When you do not use a postpaid resource any longer, **please terminate it as soon as possible** to avoid further fee deduction.
> - After the CVM is terminated or reclaimed, the data will be cleared and cannot be recovered.
> - Since your actual resource consumption may change from time to time, some deviation in the balance alert may exist.

Network Billed by Traffic

Balance alert

Network traffic consumption may fluctuate significantly and is hard to predict. Therefore, balance alert is not supported.

Arrears alert

The network billed by traffic can still be used and billed **within 2 hours** after your balance becomes negative. After 2 hours, the network service billed by traffic will be shut down.

After the balance is topped up to an amount greater than 0, the service is resumed. Please check the network settings and resume the binding of the affected CVM and load balancers.