

Cloud Block Storage

Purchase Guide

Product Documentation



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Billing Overview

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CBS Billing Overview

Billing Mode

Tencent Cloud provides two cloud disk billing modes to meet different customer needs: monthly subscription and pay-as-you-go.

The differences between these two billing modes are as follows:

Billing Mode	Monthly Subscription	Pay-as-you-go
Payment mode	Prepaid	Fees for one billing cycle will be frozen upon purchase, settled every hour
Price unit	USD/GB/month	USD/GB/hour
Minimum usage duration	Used for at least one month	Charged by the second and billed by the hour. You can purchase or release the service at any time.
Use cases	Suitable for businesses with stable and long-term device demands	Suitable for scenarios where the demand for devices fluctuates significantly, such as flash sale campaigns on an e-commerce site

Billing Standards

Pricing varies by region and disk type. For more information, see [Price Overview](#).

Snapshot Billing Overview

Snapshot service was **commercialized** on January 22, 2019 at 00:00:00. All snapshots are billed based on the storage usage.

Note:

[Images](#) use the CBS snapshot service for data storage. As a result, retaining custom images occupies a certain portion of your snapshot capacity and incurs costs.

Billing Mode

You are charged according to the total storage size of your snapshots. Each region is charged separately. CBS is **pay-as-you-go** on an hourly billing cycle.

Note:

To view the size of your snapshots in each region, go to the [Snapshot console](#).

Billing Standards

Pricing for snapshots varies by region. For more information, see [Price Overview](#).

Free Tier

After the commercialization of snapshots, Tencent Cloud still provides users with a free tier of 80 GB in regions in China. The part beyond the free tier is postpaid on an hourly basis. For billing standards, see [Price Overview](#). Note the following:

The free tier is available to users in regions as listed in the [Snapshot console](#).

The free snapshot tier will be canceled in the future. For more information, check the [CBS](#) product page regularly.

The following table describes how snapshot storage is billed under different circumstance:

Region	Total snapshot size	Number of cloud disks	Details
North China (Beijing)	100 GB	1 cloud disk	Eligible for the 80 GB free tier. Total billable snapshot storage size is 100 GB - 80 GB = 20 GB.
Hong Kong, Macao and Taiwan, China (Hong Kong)	90 GB	2 cloud disks	Eligible for the 80 GB free tier. Total billable snapshot storage size is 90 GB - 80 GB = 10 GB.
Southeast Asia (Singapore)	40 GB	1 cloud disk	Not eligible for the free tier. Total billable snapshot storage size is 40 GB.

Overdue Payment

Once your account becomes overdue, snapshots will go into the **Isolated** status, and service will be suspended. For more information, see [Overdue Policy](#).

Price Overview

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Storage Capacity Fees

CBS Price Overview	Pay-as-you-go Price (Unit: USD/GB/hour)					Monthly Subscription Price (USD/GB/month)		
	Premium Cloud Disk	Balanced SSD	CloudSSD	Enhanced SSD	ulTra SSD	Premium Cloud Disk	Balanced SSD	CloudSSD
South China (Guangzhou)	0.0001	0.00015	0.0003	0.0003	0.0003	0.07	0.075	0.08
East China (Shanghai)	0.0001	0.00015	0.0003	0.0003	0.0003	0.07	0.075	0.08
East China (Nanjing)	0.0001	0.00015	0.0002	0.0003	0.0003	0.07	0.075	0.08
North China (Beijing)	0.0001	0.00015	0.0003	0.0003	0.0003	0.07	0.075	0.08
Southwest China (Chengdu)	0.0001	0.00015	0.0003	0.0003	0.0003	0.07	0.075	0.08
Southwest China (Chongqing)	0.0001	0.00015	0.0003	0.0003	0.0003	0.07	0.075	0.08
Southwest China (Guiyang)	0.0001	0.00015	0.0003	0.0003	0.0003	0.05	0.075	0.08
Hong Kong, Macao and Taiwan, China (Hong Kong)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0.12
North America (Toronto)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0.12

Southeast Asia (Singapore)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
US West (Silicon Valley)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
US East (Virginia)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Europe (Frankfurt)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Northeast Asia (Seoul)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Asia Pacific (India)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Southeast Asia (Bangkok)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Eastern Europe (Moscow)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Northeast Asia (Tokyo)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
South America (Sao Paulo)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0
Southeast Asia (Jakarta)	0.0001	0.00023	0.0003	0.0003	0.0003	0.05	0.11	0

Prices published here are for reference only. Refer to your bills for final prices.

CBS Provisioned Performance Price Overview

Monthly Subscription Price

Region	Provisioned Performance(Unit: USD/MBps/month)	
	1 MB/s - 650 MB/s	651 MB/s - 3650 MB/s
South China (Guangzhou)	0.43	0.72
East China (Shanghai)	0.43	0.72
East China (Nanjing)	0.43	0.72
North China (Beijing)	0.43	0.72
Southwest China (Chengdu)	0.43	0.72
Southwest China (Chongqing)	0.43	0.72
Southwest China (Guiyang)	0.43	0.72
Hong Kong, Macao and Taiwan, China (Hong Kong)	0.64	1.07
North America (Toronto)	0.64	1.07
Southeast Asia (Singapore)	0.64	1.07
US West (Silicon Valley)	0.64	1.07
Europe (Frankfurt)	0.64	1.07
Northeast Asia (Seoul)	0.64	1.07
Asia Pacific (India)	0.64	1.07
US East (Virginia)	0.64	1.07
Southeast Asia (Bangkok)	0.64	1.07
Eastern Europe (Moscow)	0.64	1.07
Northeast Asia (Tokyo)	0.64	1.07
South America (Sao Paulo)	0.64	1.07
Southeast Asia (Jakarta)	0.64	1.07

Pay-as-you-go Price

Region	Provisioned Performance(Unit: USD/MBps/hour)
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	1 MB/s - 650 MB/s	651 MB/s - 3650 MB/s
South China (Guangzhou)	0.0006	0.001
East China (Shanghai)	0.0006	0.001
East China (Nanjing)	0.0006	0.001
North China (Beijing)	0.0006	0.001
Southwest China (Chengdu)	0.0006	0.001
Southwest China (Chongqing)	0.0006	0.001
Southwest China (Guiyang)	0.0006	0.001
Hong Kong, Macao and Taiwan, China (Hong Kong)	0.0009	0.0015
North America (Toronto)	0.0009	0.0015
Southeast Asia (Singapore)	0.0009	0.0015
US West (Silicon Valley)	0.0009	0.0015
Europe (Frankfurt)	0.0009	0.0015
Northeast Asia (Seoul)	0.0009	0.0015
Asia Pacific (India)	0.0009	0.0015
US East (Virginia)	0.0009	0.0015
Southeast Asia (Bangkok)	0.0009	0.0015
Eastern Europe (Moscow)	0.0009	0.0015
Northeast Asia (Tokyo)	0.0009	0.0015
South America (Sao Paulo)	0.0009	0.0015
Southeast Asia (Jakarta)	0.0009	0.0015

CBS Data Backup Point Price Overview

Monthly Subscription Price

Unit: USD/GB/month, where GB is the cloud disk size.

Region	Data Backup Point Price
South China (Guangzhou)	0.014
East China (Shanghai)	0.014
East China (Nanjing)	0.014
North China (Beijing)	0.014
Southwest China (Chengdu)	0.01
Southwest China (Chongqing)	0.01
Hong Kong, Macao and Taiwan, China (Hong Kong)	0.0168
North America (Toronto)	0.0154
Southeast Asia (Singapore)	0.0182
Southeast Asia (Jakarta)	0.0168
US West (Silicon Valley)	0.014
Europe (Frankfurt)	0.0154
Northeast Asia (Seoul)	0.0168
Asia Pacific (India)	0.0168
US East (Virginia)	0.014
Southeast Asia (Bangkok)	0.0168
Eastern Europe (Moscow)	0.0154
Northeast Asia (Tokyo)	0.0154
South America (Sao Paulo)	0.0168

Pay-as-you-go Price

Unit: USD/GB/hour, where GB is the cloud disk size.

Region	Data Backup Point Price
South China (Guangzhou)	0.00002
East China (Shanghai)	0.00002

East China (Nanjing)	0.00002
North China (Beijing)	0.00002
Southwest China (Chengdu)	0.00002
Southwest China (Chongqing)	0.00002
Hong Kong, Macao and Taiwan, China (Hong Kong)	0.000026
North America (Toronto)	0.000026
Southeast Asia (Singapore)	0.000026
Southeast Asia (Jakarta)	0.000026
US West (Silicon Valley)	0.000026
Europe (Frankfurt)	0.000026
Northeast Asia (Seoul)	0.000026
Asia Pacific (India)	0.000026
US East (Virginia)	0.000026
Southeast Asia (Bangkok)	0.000026
Eastern Europe (Moscow)	0.000026
Northeast Asia (Tokyo)	0.000026
South America (Sao Paulo)	0.000026

Snapshot Price Overview

Region	Billable Item	Hourly priceUnit: USD/GB/hour	Discounted monthly priceUnit: USD/GB/month
Chinese mainland (Guangzhou, Shanghai, Nanjing, Beijing, Chengdu, Chongqing, Guiyang, etc.)	Snapshot capacity	0.0000257	0.0185
Hong Kong, Macao and Taiwan, China (Hong Kong)	Snapshot capacity	0.000036	0.026
North America (Toronto)	Snapshot	0.000036	0.026

	capacity		
Southeast Asia (Singapore)	Snapshot capacity	0.000036	0.026
US West (Silicon Valley)	Snapshot capacity	0.0000257	0.0185
Europe (Frankfurt)	Snapshot capacity	0.000036	0.026
Northeast Asia (Seoul)	Snapshot capacity	0.000036	0.026
South Asia (Mumbai)	Snapshot capacity	0.000036	0.026
US East (Virginia)	Snapshot capacity	0.0000257	0.0185
Southeast Asia (Bangkok)	Snapshot capacity	0.000036	0.026
Northeast Europe (Moscow)	Snapshot capacity	0.000036	0.026
Northeast Asia (Tokyo)	Snapshot capacity	0.000036	0.026
South America (Sao Paulo)	Snapshot capacity	0.000036	0.026
Southeast Asia (Jakarta)	Snapshot capacity	0.000036	0.026

Purchase Instructions

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Cloud Disk Purchase Channels

Tencent Cloud provides two ways for you to purchase cloud disks, either through the console or via API.

Purchasing in the console

1. Log in to the [CBS console](#), select a region, and click **Create**.
2. Configure the cloud disk type and capacity.
3. Set **Billing Mode**. If you select **Monthly Subscription**, you need to set the **Purchase Validity Period**.
4. After confirming the order, make the payment using account balance, online banking, WeChat Pay, or QQ Wallet.
5. The cloud disk is created immediately after the order payment. Cloud disk can be used after being mounted and initialized.

Using snapshots to purchase through the console

If you want to save the snapshot data of a data disk to a new disk by default, you can use a snapshot to create a cloud disk on the [Snapshot List](#) page. You can also configure the **Snapshots** parameter to specify a snapshot for cloud disk creation when [purchasing a cloud disk in the console](#).

1. Go to the [Snapshot List](#) page.
2. On the row of the target snapshot, select **More > Create Cloud Disk**.
3. Configure the cloud disk type and capacity.

Note:

When you create a cloud disk with a snapshot, the disk capacity cannot be smaller than that of the snapshot. If you don't specify the capacity of the cloud disk, the capacity is equal to that of the snapshot by default.

4. Set **Billing Mode**. If you select **Monthly Subscription**, you need to set the **Purchase Validity Period**.
5. After confirming the order, make the payment using account balance, online banking, WeChat Pay, or QQ Wallet.
6. The cloud disk is created immediately after the order payment. Cloud disk can be used after being mounted and initialized.

Purchasing along with a CVM

You can purchase a non-elastic cloud disk by purchasing a CVM instance and setting a cloud disk as the **system disk**. For more information, see [Creating Instances](#).

You can purchase an elastic cloud disk by purchasing a CVM instance and setting the **Data Disk** parameter. For more information, see [Creating Instances](#).

Purchasing through an API

You can use the `CreateDisks` API to create a cloud disk. For more information, see [CreateDisks](#).

Purchase channels for local disks

Currently, local disks can only be purchased when you purchase a High I/O or Big Data CVM instance. Separate purchase is not supported. For more information, see [Creating Instances via CVM Purchase Page](#).

Renewal Guide

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Based on their lifecycles, cloud disks can be used as system disks or data disks of CVMs. The timely renewal of cloud disks can prevent data loss caused by expiration. We recommend that you configure expiration reminders for key data.

Renewing data disks

Only CBS data disks with the monthly subscription billing mode support renewal.

Before a CBS data disk expires, you can renew it to avoid disk unmounting and read/write failure caused by expiration.

After a CBS data disk expires and before it is terminated (within 14 days after expiration), you can restore it. If you do not renew the disk in time, it will be terminated and may cause data loss.

Renewing via the API

You can use the RenewDisk API to renew elastic cloud disks.

Overdue Payment

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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.

CBS Overdue Policy

Monthly subscription

Pay-as-you-go

Alerts

Type	Description
Expiration alert	We will send you an expiration alert via email, SMS and Message Center every other day starting 7 days (the 7th, 5th, 3rd, and 1st days) before your monthly subscribed resources expire. The collaborators under your account can configure the receipt method in the console > Message Center > Message Subscription and add recipients in the manner instructed in Overdue Payment Alert.
Overdue payment alert	On the day your monthly subscribed resources expire (the 1st day of the expiration) and every other day thereafter (the 3rd, 5th, 7th days, etc.), we will send you an overdue payment alert. You can configure the receipt method in the console > Message Center > Message Subscription and add recipients.

Repossession

The following instructions are only applicable to elastic cloud disks. The lifecycle of non-elastic cloud disks is the same as the associated CVMs. For more information, see [Payment Overdue](#).

7 days before the resources expiration date, you will receive an expiration alert and a renewal reminder.

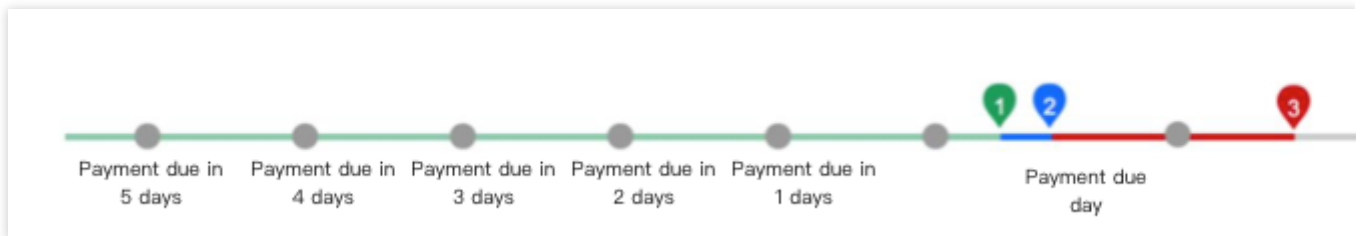
If your account balance is sufficient and auto-renewal is enabled, cloud disk will be auto-renewed on the expiry date.

If your cloud disk is not renewed before expiration (including on the expiry date), it can still be used for 7 days after the expiry date. If your cloud disk is not renewed within 7 days after it expires, it will be **forcibly unmounted** from a CVM (if any) and its services will be suspended (the cloud disk is unavailable and can only store data). The disk will enter the recycle bin, where you can still restore and renew it. However, **the billing cycle of the renewed cloud disk starts on the end date of the previous billing cycle**.

If your cloud disk is not renewed within 7 days after it enters the recycle bin, resources will be released and data in the expired cloud disk will be erased and **cannot be recovered**.

Note:

After you stop using pay-as-you-go resources, **terminate them as soon as possible** to avoid fee deduction. Since your actual resource consumption changes constantly, some slight discrepancies may exist for your stated balance.



Overdue payment alert

Pay-as-you-go resources are billed by the hour. When your account balance becomes negative (Point 1 in the figure above), the system will send an alert to your Tencent Cloud account creator and all collaborators who have subscribed to messages via email, SMS, and the Message Center.

Processing for Overdue Payments

You can continue to use the pay-as-you-go cloud disk for 2 hours from the moment your account balance becomes negative. You will be billed for this period. After 2 hours (Point 2 in the figure above), its services will be suspended (cloud disk is unavailable and can only store data). You will still be billed according to the billing standard (even if the account balance is negative) until data is completely erased.

If your Tencent Cloud account is topped up to a positive balance within 15 days after the cloud disk has its services suspended, the disk can be restored.

If the balance has been negative for 15 days after the suspension of cloud disks (Point 3 in the figure above), the pay-as-you-go disk will be repossessed. All data will be erased and **cannot be recovered**. Tencent Cloud account creator and all collaborators will be notified via email, SMS, and the Message Center.

Snapshot Overdue Policy

Freezing

Once your Tencent Cloud account becomes overdue, snapshots will go into the **Isolated** status. The snapshot-related operations are not allowed, including the snapshot creation, rollback, cross-region replication, scheduled snapshot policies, etc.

The isolated snapshots will be retained for 30 days. If your account balance remains negative, all snapshots (except for image snapshots) will be deleted after this period.

Notes

Even after your account becomes overdue, the **snapshot storage size exceeding the free tier will still be billed** until being deleted.

Once snapshots are terminated, the data cannot be restored.

Once the overdue payment is paid, snapshot operations are automatically resumed.

Image snapshots are retained permanently unless deleted.

If you no longer need a snapshot, delete it to avoid fee deduction. For more information, see [Deleting Snapshots](#).