

TencentDB for MySQL

Purchase Guide

Product Documentation



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Purchase Guide

Billing Overview

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Note :

This product now supports dynamic pricing query and cost estimation. You can use the [Price Calculator](#) to estimate fees.

Billing Modes

TencentDB for MySQL now offers the monthly subscription billing mode. Pay-as-you-go pricing remains unchanged.

TencentDB for MySQL supports separate billing for memory and disks to provide users with more flexible options.

Instance price formula: Instance price = Memory fee + Storage fee

Advanced Features

Backup capacity

Backup capacity does not support monthly subscription. Please see pay-as-you-go pricing.

Instance renewal management

Batch renewal, auto-renewal, collective expiry date, do-not-renew flag can be found in the **Renewal Management** page.

Instance upgrade cost formula

Suppose an instance expires in T days, and the monthly prepaid fee difference between the target configuration and the current configuration is C, then the total upgrade cost will be: $T/30 \times C$.

Assume that you have an instance with 1 core, 1000 MB memory, and 100 GB disk (prepaid fee: 24.511 USD/month) and it will expire in 15 days. If you upgrade it to 1 core, 1000 MB memory, and 200 GB disk (prepaid fee: 34.653 USD/month), then the total upgrade cost will be: $15/30 \times (34.653 - 24.511) = 5.071$ USD.

Exceeding instance disk capacity limit

To ensure business continuity, you need to upgrade your instance specifications or purchase additional disk capacity in time before disk capacity is used up.

When the size of the data stored on an instance exceeds its capacity limit, the instance will be locked and become read-only. You will not be able to write data to it. You will need to expand its capacity or delete some database tables in the console to unlock it.

To avoid a database from triggering the lock status repeatedly, a locked instance will be unlocked and allowed for reads and writes only when its remaining available capacity is more than 20% of its total capacity or is over 50 GB.

Traffic synchronization fee for disaster recovery instances

Data synchronization for disaster recovery instances in TencentDB for MySQL is currently free of charge.

We will notify users when this feature is commercialized.

Pay-as-You-Go

The pay-as-you-go tiered pricing model is based on usage duration.

Usage Duration	Tiered Pricing
0 hours < duration ≤ 96 hours	Tier 1 rate applies
96 hours < duration ≤ 360 hours	Tier 2 rate applies
Duration > 360 hours	Tier 3 rate applies

Instance price

Billing formula

Total fees = memory fees + storage capacity fees + backup capacity fees + traffic fees (currently free)

Billable items

Billable Item	Notes
Memory fees	The instance specification selected on the purchase page is pay-as-you-go and supports tiered pricing. For detailed prices, please see Product Pricing .
Storage capacity fees	The disk capacity selected on the purchase page is pay-as-you-go. For detailed prices, please see Product Pricing . The storage capacity stores data files, shared tablespaces, error logs, redo logs, undo logs, data dictionaries, and binlogs that are necessary for TencentDB for MySQL.

Billable Item	Notes
Backup capacity fees	TencentDB for MySQL offers a certain amount of backup capacity free of charge based on the region, which is equivalent to the sum of storage capacity of all two-node and three-node instances (including source instances) in your region. For more information on the fees for excessive backup capacity, please see Backup Space Billing .
Traffic fees	Public network traffic fees (currently free of charge).

Pay-as-you-go price

High-availability edition

Region	Memory (USD/GB/Hour)			Disk (USD/GB/Hour)
	Tier 1	Tier 2	Tier 3	
Guangzhou	0.0500	0.0400	0.0300	0.0005
Qingyuan	0.0500	0.0400	0.0300	0.0005
Shanghai	0.0500	0.0400	0.0300	0.0005
Beijing	0.0500	0.0400	0.0300	0.0005
Chengdu	0.0500	0.0400	0.0300	0.0005
Chongqing	0.0500	0.0400	0.0300	0.0005
Hong Kong (China)	0.0688	0.0516	0.0344	0.0002
Taipei (China)	0.0688	0.0516	0.0344	0.0002
Singapore	0.0705	0.0528	0.0352	0.0002
Bangkok	0.0556	0.0417	0.0278	0.0002
Mumbai	0.0556	0.0417	0.0278	0.0002
Seoul	0.0556	0.0417	0.0278	0.0002
Tokyo	0.0556	0.0417	0.0278	0.0003
Silicon Valley	0.0550	0.0413	0.0275	0.0002
Virginia	0.0444	0.0333	0.0222	0.0002

Toronto	0.0265	0.0199	0.0133	0.0006
Frankfurt	0.0550	0.0413	0.0275	0.0003
Moscow	0.0556	0.0417	0.0278	0.0003

Read-only instances

Region	Memory (USD/GB/Hour)			Disk (USD/GB/Hour)
	Tier 1	Tier 2	Tier 3	
Guangzhou	0.0250	0.0200	0.0150	0.0003
Qingyuan	0.0250	0.0200	0.0150	0.0003
Shanghai	0.0250	0.0200	0.0150	0.0003
Beijing	0.0250	0.0200	0.0150	0.0003
Chengdu	0.0250	0.0200	0.0150	0.0003
Chongqing	0.0250	0.0200	0.0150	0.0003
Hong Kong (China)	0.0344	0.0258	0.0172	0.0001
Taipei (China)	0.0344	0.0258	0.0172	0.0001
Singapore	0.0352	0.0264	0.0176	0.0001
Bangkok	0.0278	0.0208	0.0139	0.0001
Mumbai	0.0278	0.0208	0.0139	0.0001
Seoul	0.0278	0.0208	0.0139	0.0001
Tokyo	0.0278	0.0208	0.0139	0.0002
Silicon Valley	0.0275	0.0206	0.0138	0.0001
Virginia	0.0222	0.0167	0.0111	0.0001
Toronto	0.0133	0.0099	0.0066	0.0003
Frankfurt	0.0275	0.0206	0.0138	0.0001
Moscow	0.0278	0.0208	0.0139	0.0002

Billing Examples

Note :

The prices used in the following examples are for demonstration purposes only, which may vary depending on regions, campaigns, or policies. Please see the pricing page for actual prices.

Monthly subscription

Suppose that:

- You purchase a monthly-subscribed high-availability TencentDB for MySQL instance with 4 cores, 8,000 MB memory, and 500 GB disk space in the Guangzhou Zone 3 for 1 month.
- You purchase a monthly-subscribed high-availability TencentDB for MySQL instance with 4 cores, 8,000 MB memory, and 200 GB disk space in the Guangzhou Zone 4 for 1 month.

Total fees = memory fees + storage capacity fees + backup capacity fees

Memory fees and storage capacity fees

Calculation formula:

Memory fees + storage capacity fees = $2 \times 114.93 \text{ USD/month} + (500 \text{ GB} + 200 \text{ GB}) \times 0.1014 \text{ USD/GB/month} \times 1 \text{ month} = 300.84 \text{ USD}$

Backup capacity fees

The high-availability TencentDB for MySQL instance in Guangzhou Zone 3 has 500 GB storage capacity per month, and the one in Guangzhou Zone 4 has 200 GB storage capacity per month, so you can have 700 GB backup capacity free of charge in the Guangzhou region every month.

Usage of backup capacity that exceeds the free tier are calculated on an hourly basis according to the following rule. For example, if your data backups reach 800 GB and log backups reach 100 GB, your total backup capacity usage in Guangzhou will exceed 700 GB, and your hourly billable backup capacity will be 200 GB ($800 + 100 - 700 = 200$).

Backup capacity fees (hourly) = $200 \text{ GB (usage of backup capacity that exceeds the free tier may change over time)} \times 0.000127 \text{ USD/GB/hour}$

Pay-as-you-go

Suppose you purchase a pay-as-you-go TencentDB for MySQL instance with 4 cores, 8,000 MB memory, and 500 GB disk space in the Guangzhou region for 400 hours.

Tier 1 fees: $(0.0250 \text{ USD/GB/hour} \times 8 \text{ GB} + 500 \text{ GB} \times 0.0003) \times 96 \text{ hours} = 33.6 \text{ USD}$

Tier 2 fees: $(0.0200 \text{ USD/GB/hour} \times 8 \text{ GB} + 500 \text{ GB} \times 0.0003) \times 264 \text{ hours} = 81.84 \text{ USD}$

Tier 3 fees: $(0.0150 \text{ USD/GB/hour} * 8 \text{ GB} + 500 \text{ GB} * 0.0003) * 40 \text{ hours} = 10.8 \text{ USD}$

Instance fees = Tier 1 fees + Tier 2 fees + Tier 3 fees = 126.24 USD

FAQs

Why are additional fees incurred for my monthly-subscribed instance?

Usage of backup capacity that exceeds the free tier will be charged. Please check whether your usage of backup capacity exceeds the free tier.

You can check the usage of backup capacity on the **Database Backup** page in the [TencentDB for MySQL console](#). For more information about backup capacity pricing, please see [Backup Space Billing](#).

Will Tencent Cloud charge for pay-as-you-go instances if they are idle?

Yes. If you stop using pay-as-you-go resources, please terminate them as soon as possible to avoid further fees.

What files are stored in the storage capacity?

- Data files: the space which your data takes up, including created tables and indexes
- System files (necessary for the database): shared tablespaces, error logs, redo logs, undo logs, and data dictionaries
- Binlogs: binlogs record all DDL and DML statements (except SELECT and SHOW statements) and are used to replicate and restore database data. The more data changes, the more binlogs. To reduce the space binlogs take up, they can be uploaded to COS.

Documentation

- You can purchase TencentDB for MySQL instances through the console or API. For more information, please see [Purchase Methods](#).
- TencentDB for MySQL sends alert messages to you before it expires and its resources are repossessed. For more information, please see [Overdue Payment](#).
- You can return TencentDB for MySQL instances and request a refund. For more information, please see [Refund](#).
- You can adjust TencentDB for MySQL instances to a higher or lower specification. For more information, please see [Instance Adjustment Fee](#).

Purchase Methods

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Prerequisites

To make a purchase, you need to complete identity verification first. For more information, see [Identity Verification Guide](#).

Purchasing in the console

Purchasing a two-node/three-node instance

1. Log in to the [TencentDB for MySQL purchase page](#), configure the following instance information, and click **Buy Now**.

- **Billing Mode:** Monthly subscription and pay-as-you-go billing are supported.
 - If your business has a stable long-term demand, we recommend you select monthly subscription.
 - If the request volume of your business fluctuates greatly and instantaneously, we recommend you choose pay-as-you-go billing.
- **Region:** Select the region where you want to deploy your TencentDB for MySQL instance. We recommend you use the same region as the CVM instance to be connected to. Tencent Cloud services in different regions cannot communicate with each other over the private network. The region cannot be modified after purchase.
- **Database Version:** Currently, TencentDB for MySQL supports MySQL 8.0, 5.7, 5.6, and 5.5. For more information on the features of each version, see [MySQL 5.7 Reference Manual](#).
- **Engine:** Select InnoDB or RocksDB.
 - InnoDB: The most commonly used OLTP storage engine, with complete transaction support and powerful capability of highly concurrent reads/writes.
 - RocksDB: A key-value storage engine, with efficient writing and high compression. If it is selected, the architecture will be two-node.
- **Architecture:** Single-node, two-node, or three-node. For more information, see [Overview](#).
- **Data Replication Mode:** Async, semi-sync, and strong sync replication modes are supported. For more information, see [Database Instance Replication](#).
- **Source AZ and Replica AZ:** Select different source and replica AZs (i.e., multi-AZ deployment as described in [High Availability \(Multi-AZ\)](#)) to protect your database from failures and AZ outages.

Note :

- If the source and replica are in different AZs, the network sync delay may increase by 2–3 ms.
- When you purchase Tencent Cloud services, we recommend you select the region closest to your end users to minimize access latency and improve download speed.

- **Instance Type:** General or dedicated. For more information, see [Resource Isolation Policy](#).
- **Instance Specs:** Select specifications as needed.
- **Hard Disk:** The disk space is used to store the files required by MySQL execution.
- **Network:** You can select the network and subnet for the instance. VPC is supported. If existing networks do not meet your requirements, you can create [VPCs](#) or [subnets](#).

Note :

- A subnet is a logical network space in a VPC. You can create subnets in different AZs in the same VPC, which communicate with each other over the private network by default.
- After you select a network, the subnet IPs in the AZ of the selected instance are displayed by default. You can also select subnet IPs in other AZs in the region of the instance. Business connections adopt nearby access, so the network latency will not be increased.
- We recommend you select the same VPC in the same region as the CVM instance to be connected to. Otherwise, the MySQL instance cannot connect to the CVM instance over the private network.

- **Custom Port:** The database access port, which is 3306 by default.
- **Security Group:** For more information on security group creation and management, see [TencentDB Security Group Management](#).

Note :

Port 3306 must be opened for the TencentDB for MySQL instance through the inbound rule of the security group. The instance uses private network port 3306 by default and supports custom port. If the default port is changed, the new port should be opened in the security group.

- **Parameter Template:** Besides the system parameter template provided by TencentDB, you can create a custom parameter template. For more information, see [Managing Parameter Template](#).
- **Character Set:** LATIN1, GBK, UTF8, and UTF8MB4 character sets are supported. The default value is UTF8. After purchasing the instance, you can change the character set on the instance details page in the console. For

more information, see [Use Limits > Notes on character set](#).

- **Table Name Case Sensitivity:** Whether the table name is case sensitive. The default value is **Enabled**.
- **Password Complexity:** You can set the password complexity to improve the database security, which is disabled by default. For more information, see [Setting Password Complexity](#).
- **Root Password:** Set the password of the root account (the default user name for a new MySQL database is "root"). If you select **Set After Creation**, you can reset the password after creating the instance. For more information, see [Resetting Password](#).
- **Alarm Policy:** You can create an alarm policy to trigger alarms and send messages when the Tencent Cloud resource state changes. For more information, see [Alarm Policies \(Cloud Monitor\)](#).
- **Project:** Select a project to which the TencentDB instance belongs. The default project is used.
- **Tag:** Categorize and manage resources with tags. For more information, see [Tag Overview](#).
- **Instance Name:** Name the instance now or later.
- **Quantity:** You can purchase up to ten pay-as-you-go instances in each AZ.
- **Purchase Period:** Select the desired duration according to your business needs. The billing mode is monthly subscription, and the longer the purchase period, the higher the discount.
- **Auto-Renewal:** Auto-renew the device monthly upon expiration if your account has sufficient balance in the monthly subscription billing mode.
- **Terms of Service:** For more information, see [Terms of Service](#).

2. You will be returned to the instance list after you purchase the instance. The instance will be in the **Delivering** status. You can use the instance after around 3–5 minutes when its status changes to **Running**.

Purchasing a single-node instance

1. Log in to the [TencentDB for MySQL purchase page](#), configure the following instance information, and click **Buy Now**.

- **Billing Mode:** Monthly subscription and pay-as-you-go billing are supported.
 - If your business has a stable long-term demand, we recommend you select monthly subscription.
 - If the request volume of your business fluctuates greatly and instantaneously, we recommend you choose pay-as-you-go billing.
- **Region:** Select the region where you want to deploy your TencentDB for MySQL instance. This architecture is currently supported in Shanghai, Chengdu, Guangzhou, Beijing and HongKong regions and will be available in more regions in the future. We recommend you use the same region as the CVM instance to be connected to. Tencent Cloud services in different regions cannot communicate with each other over the private network. The region cannot be modified after purchase.
- **Database Version:** Currently, TencentDB for MySQL supports MySQL 8.0 and 5.7 for the single-node architecture. For more information on the features of each version, see [MySQL 5.7 Reference Manual](#).

- **Engine:** The default engine is InnoDB, which is the most commonly used OLTP storage engine, with complete transaction support and powerful capability of highly concurrent reads/writes.
- **Architecture:** Select **Single-node**.

Note :

As it takes a long time for the basic edition instances to recover, we recommend you use the two-node or three-node version for production environments, which ensures up to 99.99% availability.

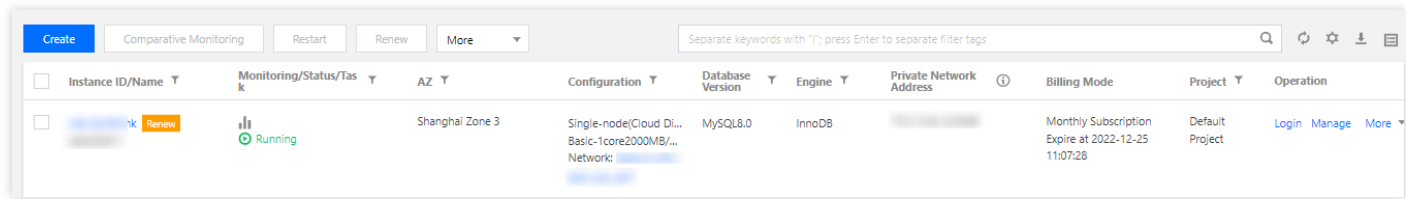
- **Disk Type:** Cloud disk. For more information, see [Cloud Disk Types](#).
- **AZ:** Select an AZ for instance deployment. Tencent Cloud services in different AZs in the same VPC can communicate with each other over the private network; for example, a CVM instance in Shanghai Zone 2 can access a MySQL instance in Shanghai Zone 3 in the same VPC over the private network.
- **Instance Specs:** Select specifications as needed.
- **Disk:** The disk space is used to store the files required by MySQL execution. You can select **SSD Cloud Disk** or **Enhanced SSD**. The supported disk capacity range is 20–32000 GB. For more information, see [Cloud Disk Types](#).

The screenshot shows a configuration interface for a disk. On the left, the text 'Hard Disk' is displayed. To its right is a dropdown menu currently showing 'Enhanced SSD' with an upward-pointing arrow. Below the dropdown, two other options are visible: 'SSD Cloud Disk' and 'Enhanced SSD'. To the right of the dropdown is a numeric input field containing '200', flanked by minus and plus buttons, and followed by the unit 'GB'. Below the 'SSD Cloud Disk' option, the text '/s bandwidth' is partially visible.

Note :

Next configuration steps are the same as those for purchasing two-node/three-node instances. For more information, see [Purchase Methods](#).

2. You will be returned to the instance list after you purchase the instance. The instance will be in the **Delivering** status. You can use the instance after around 3–5 minutes when its status changes to **Running**.



Instance ID/Name	Monitoring/Status/Tasks	AZ	Configuration	Database Version	Engine	Private Network Address	Billing Mode	Project	Operation
[Redacted]	Running	Shanghai Zone 3	Single-node(Cloud Di... Basic-1core2000MB/... Network: [Redacted]	MySQL8.0	InnoDB	[Redacted]	Monthly Subscription Expire at 2022-12-25 11:07:28	Default Project	Login Manage More

Purchasing via APIs

For more information on how to purchase TencentDB instances via an API, see [CreateDBInstanceHour](#).

Subsequent operations

[Connecting to MySQL Instance](#)

Renewal

Last updated : 2022-06-13 17:22:36

This document describes how to renew a TencentDB for MySQL instance in the console or renewal management center.

Prerequisites

The instance to be renewed must be monthly subscribed.

Renewal in Console

Setting auto-renewal

Note :

You don't need to set auto-renewal for instances already with monthly auto-renewal enabled.

1. Log in to the [TencentDB for MySQL console](#), select one or multiple instances in the instance list, and select **More > Enable Auto-Renewal** at the top.
2. In the pop-up window, confirm that everything is correct and click **OK**.

Note :

If "The instance will be automatically renewed for one month upon expiration" is displayed, monthly auto-renewal is enabled for the instance.

Manual renewal

Option 1

1. Log in to the [TencentDB for MySQL console](#), select one or multiple instances in the instance list, and select **Renew** at the top.
2. In the pop-up window, select the renewal period and click **OK**.

Note :

You can select **By month** or **By year** for **Renewal Period**. A six-month renewal period is selected as shown below.

3. On the order confirmation page, confirm that everything is correct and make the payment.

Option 2

Log in to the [TencentDB for MySQL console](#), click an instance ID in the instance list to enter the instance details page, and click **Renew** in **Configuration Info**.

Renewal in Renewal Management Center

The [Renewal Management](#) page provides features such as **Batch Renewal**, **Set to Auto-Renewal**, **Set to Non-Renewal**, and **Unify Expiry Date** for instances. For more information, see [Renewal Management](#).

Payment Overdue

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Pay-as-You-Go TencentDB Instance

Note :

When you no longer use pay-as-you-go resources, **terminate them as soon as possible** to avoid additional fees.

As your actual resource consumption is constantly changing, some slight discrepancies may exist for your stated balance.

Alerts

- Pay-as-you-go resources are billed on the hour. When your account balance becomes negative, the system will send an alert to your Tencent Cloud account creator, global resource collaborators, and financial collaborators via email, SMS, and other methods which are configured in message subscription in the [Message Center](#).

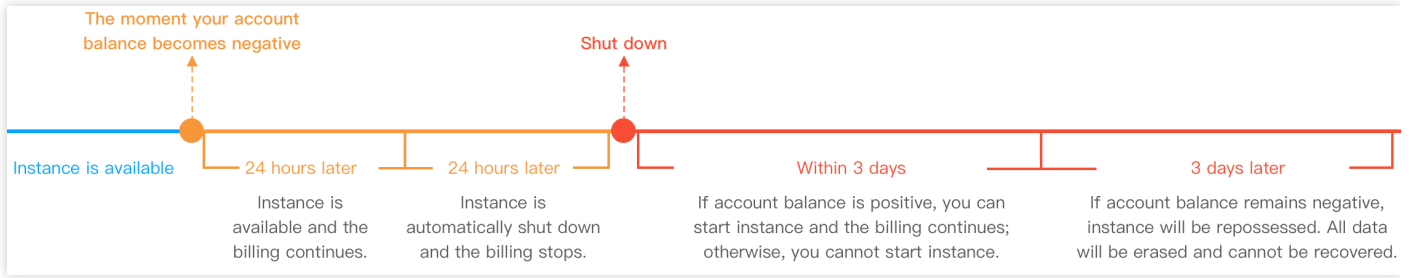
Overdue Payment Processing

1. From the moment your account balance becomes negative:

- You can continue to use your TencentDB instance for 24 hours from the moment your account balance becomes negative. We will continue to bill you for this period.
- When your account has been overdue for 24 hours, **your TencentDB instance will automatically shut down**, and billing will stop.

2. After automatic shutdown:

- Within 3 days after automatic shutdown, if your account is not topped up to a positive balance, you will not be able to start your TencentDB instance; if your balance is positive, the billing continues, and you can start your instance.
- If the balance remains negative for 3 days after shutdown, the TencentDB instance will be repossessed. All data will be erased and cannot be recovered. Tencent Cloud account creator, global resource collaborators, and financial collaborators will be notified via email, SMS, etc.



Refund

Last updated : 2022-06-13 17:22:37

Pay-as-you-go billing: TencentDB for MySQL will return resources directly, and no refund can be requested. You can return instances in the instance list in the TencentDB for MySQL Console in a self-service manner.

Related Operations

For more information on how to return a pay-as-you-go instance in the console, please see [Terminating Instance](#).

Instance Adjustment Fee

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Billing Method for Upgraded Instances

After upgrade, pay-as-you-go instances will be billed based on the new instance specifications starting from the next billing cycle.

Billing Method for Downgraded Instances

Pay-as-you-go

If you choose to downgrade a pay-as-you-go database instance, it will be billed at the tier 1 pay-as-you-go price for the new configuration.

Documentation

TencentDB for MySQL supports quick adjustment of instance specification and allows flexible scaling operations. For more information, please see [Adjusting Database Instance Specification](#).

Backup Space Billing

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Overview

The backup space is used to store the backup files (automatic data backups, manual data backups, and log backups) of all TencentDB for MySQL instances in a region.

- For two-node and three-node instances of local disk edition, TencentDB for MySQL offers free-of-charge backup space per region, which equals to the sum of the storage space of all two-node and three-node instances (including the source and disaster recovery instances) in the region. For calculation examples, see [Calculation Formula](#).

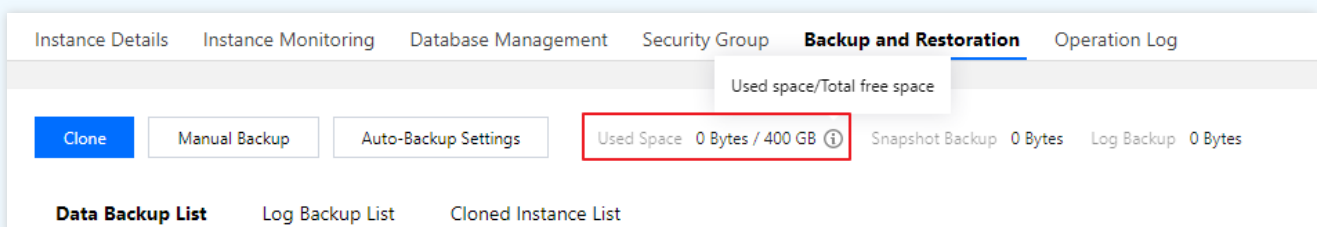
Note :

- Free backup space will be provided when you purchase a source or disaster recovery instance but not a read-only instance.
- The backup space of instances of local disk edition can be viewed on the **Database Backup** page in the [TencentDB for MySQL console](#).

- For single-node instances of cloud disk edition, TencentDB for MySQL offers a free tier of backup space at the instance level, which equals to 200% of the storage space of each instance.

Note :

The backup space of instances of cloud disk edition can be viewed on the **Backup and Restoration** tab.



Free Tier Comparison

Storage Type	Free Tier	Level
Cloud disk	200% of the storage space	Instance level. For example, if the storage space of a single-node instance of cloud disk edition is 50 GB, the instance enjoys a free tier of backup space of 100 GB.
Local disk	100% of the storage space	Region level. For example, if Tencent Cloud account A has two two-node instances in Beijing region with a storage space of 50 GB and 80 GB respectively, the account enjoys a free tier of backup space of 130 GB in Beijing region.

Backup Pricing of Single-Node Instances of Cloud Disk Edition

Backup space beyond the free tier will be charged as follows in different regions:

Region	Price (USD/GB/Hour)
Shanghai, Nanjing, Chongqing, Chengdu, Guangzhou, Beijing	0.00003676
Virginia, Bangkok, Frankfurt, Tokyo, Singapore, Seoul, Toronto, Jakarta, Silicon Valley, São Paulo, Hong Kong (China)	0.00004118

Single-node instances of cloud disk edition are currently supported in Shanghai, Chengdu, Guangzhou, and Beijing, with more regions to come in the future.

Backup Pricing of Instances of Local Disk Edition

Backup space beyond the free tier will be charged at 0.000113 USD/GB/hour in the Chinese mainland. For prices in regions outside of the Chinese mainland, see [Pricing | TencentDB for MySQL](#).

If the excessive backup space is less than 1 GB, no fees will be charged. If the time period is less than one hour, it will be calculated as one hour. TencentDB for MySQL adopts a flexible giveaway policy, so you generally don't need to pay for the backup space for most instances.

Notes on Cross-Region Backup and Billing

TencentDB for MySQL supports cross-region backup for compliance or disaster recovery. You can enable this feature in the console as instructed in [Cross-Region Backup](#). Once enabled, cross-region backup doesn't affect the local default backup, and they can both coexist with their own retention periods. Upon completion, the automatic backup is dumped to the storage device for cross-region backup.

Note :

Cross-region backup and log files cannot use the free storage space; instead, they use the space in the backup region of the source instance.

Cross-region backup space is priced at 0.000113 USD/GB/hour in the Chinese mainland and 0.000127 USD/GB/hour outside the Chinese mainland.

The cross-region backup feature is currently available in Beijing, Shanghai, Guangzhou, Shenzhen, and Chengdu, with more regions to come in the future.

Billing Schedule for Backup Space

- Billing officially started from 00:00 on December 2, 2019 for Hong Kong (China), Macao (China), Taiwan (China), and other regions outside the Chinese mainland.
- Billing officially started from 00:00 on December 2, 2019 for Southwest China (Chengdu and Chongqing regions), South China (Shenzhen Finance), East China (Shanghai Finance), and North China (Beijing Finance).
- Billing officially started from 00:00 on December 5, 2019 for South China (Guangzhou region).
- Billing officially started from 00:00 on December 9, 2019 for North China (Beijing region).
- Billing officially started at 00:00 on December 10, 2019 for East China (Shanghai region).
- Billing is started by default for regions added after 00:00 on December 10, 2019.

Calculation Formula

- **Backup space calculation formula for instances of local disk edition:**
- **Free backup space in one region = Sum of storage space of all TencentDB for MySQL two-node and three-node instances in that region**
- **Paid backup space in one region = Data backup volume + log backup volume - free backup space (all values are for that region)**

- **Backup space calculation formula for instances of cloud disk edition:**
- **Free backup space of one instance = 200% of the storage space of that instance**
- **Paid backup space of one instance = data backup volume + log backup volume - free backup space (all values are for that instance)**

Note :

Backups of TencentDB for MySQL instances in the recycle bin will also be counted into the total backup space.

Calculation Example

If you have a running a TencentDB for MySQL two-node instance with a purchased database storage space of 500 GB/month in Guangzhou Zone 3 and another such instance with a purchased database storage space of 200 GB/month in Guangzhou Zone 4, you will get a free backup space of 700 GB/month in the Guangzhou region.

If your data backups reach 800 GB and log backups reach 100 GB in the current hour, your total backup space used in Guangzhou region will exceed 700 GB, and you will be billed for the excess of 200 GB ($800 + 100 - 700 = 200$) for the current hour and so on.

Backup Lifecycle

Monthly subscribed instance

- Backups are subject to change over the instance lifecycle.
- The backup feature can be used normally within seven days after an instance expires, during which backups beyond the free tier will still be billed.
- From the eighth day after expiration, the instance is isolated and moved into the recycle bin. At this time, automatic backup stops, and rollback and manual backup are prohibited, but backups can still be downloaded in the [Backup List](#) page. Excessive backup space will still be billed until the instance is eliminated. You can renew the instance in the recycle bin in the console to recover it.
- After seven days since the instance has been isolated in the recycle bin, the instance is eliminated (i.e., deleted completely) along with all data backups. Save the needed backups in a timely manner.

Pay-as-you-go instance

- Backups are subject to change over the instance lifecycle.
- Backups can work normally within 24 hours after the instance payment becomes overdue.

- After 24 hours since the instance payment has been overdue, the instance is isolated into the recycle bin. At this time, automatic backup stops, and rollback and manual backup are prohibited, but backups can still be downloaded in the [Backup List](#) page. Excessive backup space will still be billed until the instance is eliminated. You can renew the instance in the recycle bin in the console to recover it.
- After three days since the instance has been isolated in the recycle bin, the instance is eliminated (i.e., deleted completely) along with all data backups. Save the needed backups in a timely manner.

Payment Overdue

Monthly subscribed instance

- If the instance has not expired but your account has overdue payments, the backup service is downgraded, rollback, manual backup, and backup download are prohibited, but automatic back continues, where excessive backup space is still billed.
- If you need to perform rollback, manual backup, or backup download, top up your account to a positive balance.

Pay-as-you-go instance

After the account has overdue payments, the backup will change with the lifecycle of the instance. For more information, see the backup lifecycle of pay-as-you-go instances as described above.

Upgraded Services Available After Backup Billing Starts

Note :

The values listed in the table below are the maximum values supported in the same region under a single Tencent Cloud account.

Improvement	Before Upgrade	After Upgrade
Data backup retention period	30 days	1,830 days
Log backup retention period	5 days	1,830 days
Backup compression rate	General	Ultra high
Binlog centralization	Local storage	Centralized storage

Suggestions for Reducing Backup Costs

- Delete manual backups that are no longer used. You can log in to the [TencentDB for MySQL console](#), click an instance ID or **Manage** in the **Operation** column to access the instance management page, and delete manual backups on the **Backup and Restore** tab. Automatic backups cannot be manually deleted in the console. Instead, they are automatically deleted after they expire.
- Reduce the frequency of automatic data backup for non-core businesses (you can adjust the backup cycle and backup file retention period in the console, which should be at least twice a week).

Note :

The rollback feature relies on the backup cycle and retention days of data backups and log backups (binlog). Rollback will be affected if you reduce the automatic backup frequency and retention period. You can select the parameters as needed. For more information, see [Rolling back Database](#).

- Shorten the retention period of data and log backups for non-core businesses (a retention period of seven days can meet the needs in most cases).

Business Scenario	Recommended Backup Retention Period
Core businesses	7-1,830 days
Non-core, non-data businesses	7 days
Archival businesses	7 days. We recommend you manually back up data based on your actual business needs and delete the backups promptly after use
Testing businesses	7 days. We recommend you manually back up data based on your actual business needs and delete the backups promptly after use