

TDSQL for MySQL

Purchase Guide

Product Documentation



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Purchase Guide

Billing Overview

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Billing Modes

Note :

Monthly subscription is currently in beta. If you wish to use this billing option, please [contact sales](#).

TDSQL provides 2 billing options:

Billing Mode	Payment Mode	Application Scenario
Monthly subscription	Prepaid. Fees are paid when an instance is created.	Suitable for businesses with long term stable needs as the rates are lower than the pay-as-you-go option. Longer-term purchases results in increased savings.
Pay-as-you-go	Postpaid. You can request for resources on-demand and will be charged based on the actual usage upon settlement.	Suitable for businesses with fluctuating demands. Instances can be released immediately after use to reduce costs.

The memory prices for pay-as-you-go adopts a tiered model based on the usage duration.

Usage Duration	Tiered Price
0 hours < duration ≤ 96 hours	Tier 1 pay-as-you-go price applies
96 hours < duration ≤ 360 hours	Tier 2 pay-as-you-go price applies
Duration > 360 hours	Tier 3 pay-as-you-go price applies

Node Specifications

For nodes fees, see [Pricing](#). The available specifications are as follows.

Configuration Type	Node CPU	Node Memory
High IO	1 core	2 GB
High IO	2 cores	4 GB
High IO	4 cores	8 GB
High IO	5 cores	12 GB
High IO	6 cores	16 GB
High IO	8 cores	32 GB
High IO	12 cores	64 GB
High IO	16 cores	96 GB
High IO	20 cores	128 GB
High IO	24 cores	244 GB

Pricing

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Billing Formula

Total fees = Instance fees + Backup capacity fees (free of charge for now) + Traffic fees (free of charge for now)

Instance fees = Node price x Number of nodes x Number of shards = (Node memory size x Memory price + Node disk size x Disk price) x Number of nodes x Number of shards

Note :

The number of nodes is the sum of primary and secondary nodes specified in the instance specification. For example, 1-primary-1-secondary specification means 2 nodes and 1-primary-2-secondary specification 3 nodes.

Billable items

Billable Items		Notes
Instance fees	Memory fees	Fees for the instance specification selected on the purchase page. Monthly subscription and pay-as-you-go billing modes are supported.
	Storage capacity fees	Fees for the disk capacity selected on the purchase page. Monthly subscription and pay-as-you-go billing modes are supported.
Backup capacity fees		Fees for the backup capacity. The backup capacity mainly stores key logs (binlogs, error logs, slow logs, etc.) and backup files. 50% of the instance capacity is gifted as the backup capacity, and usage exceeding this complimentary capacity is free of charge for now.
Traffic fees		Fees for public network traffic (free of charge at present).

Node Monthly Subscription Price (USD)

Note :

The monthly subscription mode is currently in beta. Prices published here are for reference only. Refer to your bills for final prices. To use this billing option, please [contact sales](#).

Region	Memory Price (USD/GB/Month)	Disk Price (USD/GB/Month)
Guangzhou, Shanghai, and Beijing	9.43	0.06
Chengdu, Chongqing	9.43	0.06
Hong Kong (China)	12.3913	0.085
Virginia, Frankfurt	8	0.07
Toronto	13.2609	0.1

Node Pay-As-You-Go Price (USD)

Region	Memory Price (USD/GB/Hr)			Disk Price (USD/GB/Hr)
	Tier 1	Tier 2	Tier 3	
Guangzhou, Shanghai, and Beijing	0.02619	0.01965	0.01310	0.00025
Chengdu, Chongqing	0.02619	0.01965	0.01309	0.00025
Hong Kong (China)	0.03442	0.02582	0.01721	0.00012
Virginia, Frankfurt	0.02222	0.01667	0.01111	0.00010
Toronto	0.03684	0.02763	0.01842	0.00014

Billing Examples

Monthly subscription: suppose a user purchases 1 monthly-subscribed TDSQL for MySQL instance with 2 shards in the Guangzhou region for 1 month. Each shard has 2 nodes (1 primary and 1 secondary), and each node has 2 GB memory and 500 GB disk capacity.

The fees are calculated as follows:

Instance fees = (Node memory size x Memory price + Node disk size x Disk price) x Number of nodes x Number of shards = (2 GB x 9.43 USD/GB/month + 500 GB x 0.06 USD/GB/month) x 2 nodes x 2 shards x 1 month = 195.44 USD

Pay-as-you-go: suppose a user purchases 1 pay-as-you-go TDSQL for MySQL instance with 2 shards in the Beijing region for 400 hours. Each shard has 2 nodes (1 primary and 1 secondary), and each node has 2 GB memory and 500 GB disk capacity.

The fees are calculated as follows:

- Tier 1 fees: (2 GB x 0.026194 USD/GB/hr + 500 GB x 0.000250 USD/GB/hr) x 2 nodes x 2 shards x 96 hours = 68.116992 USD
- Tier 2 fees: (2 GB x 0.013097 USD/GB/hr + 500 GB x 0.000250 USD/GB/hr) x 2 nodes x 2 shards x 264 hours = 159.660864 USD
- Tier 3 fees: (2 GB x 0.019646 USD/GB/hr + 500 GB x 0.000250 USD/GB/hr) x 2 nodes x 2 shards x 40 hours = 26.28672 USD

Instance fees = Tier 1 fees + Tier 2 fees + Tier 3 fees = 254.064576 USD

Purchase and Upgrade

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Instance Purchase

You can log in to the [TDSQL for MySQL purchase page](#) to purchase a TDSQL for MySQL instance. For a single-node instance (for example, a one-primary-one-secondary instance is considered as a double-node instance), up to eight shards can be purchased.

Initialization is required for the purchased instances to function normally.

Instance Upgrade

Upgrade operation will upgrade an existing TDSQL for MySQL instance to a higher specification. Since a distributed database is composed of multiple shards, you can add new shards or expand existing shards to upgrade an instance. Your business does not stop during the upgrade process, but a few shards may become read-only for seconds, so we recommend that you upgrade instances during off-peak hours.

Note :

Up to 64 shards can be added to a single-node instance. If you need more than 64 shards, please [submit a ticket](#).

Adding a shard

1. Log in to the [TDSQL for MySQL console](#). In the instance list, click the instance name/ID or **Manage** in the **Operation** column, and enter the instance management page.
2. On the **Shard Management** tab, locate the desired shard in the shard list, and click **Add Shard** in the **Operation** column.

Instance Details		Shard Management	System Monitoring	Parameter Configuration	Manage Account	Data Security	Performance Optimization	
Comparative Monitoring								
<input type="checkbox"/> Shard ID	SQL Pass-through ID ⓘ	Monitor	Running St...	SQL Engine Layer Version	Instance Type	Specification	Storage Space Utilization	Operation
<input type="checkbox"/> shard-2e0eu20j	set_1568893582_1		Running	1.13.21-M-V2R501D002	Physical Shard	1 master-1 slave 2 GB MEM/10 GB storage space	0	Manage Expand Shard Add Shard
<input type="checkbox"/> shard-72vequ9	set_1568893753_3		Running	1.13.21-M-V2R501D002	Physical Shard	1 master-1 slave 2 GB MEM/10 GB storage space	0	Manage Expand Shard Add Shard

3. On the displayed **Add Shard** page, specify the new shard specification.

Expanding a shard

This operation upgrades the specification of a single shard to a higher level without adding new shards.

On the instance management page, select the **Shard Management** tab, locate the desired shard in the shard list, and click **Adjust Shard Configuration** in the **Operation** column.

Upgrade fee = (price of target specification - price of original specification) x remaining validity period

Notes on Refund

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

Notes on Arrears

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Expiration Reminder for Pay-as-You-Go TencentDB Instances

Balance reminder

We will estimate the number of days it takes your account balance to become negative based on the usage in the past 24 hours and current balance. If it is less than five days, we will send a reminder to your Tencent Cloud account creator and all the collaborators through email and SMS.

Arrears reminder

For pay-as-you-go resources, fees are deducted on the hour. When your account balance is in negative , we will notify the Tencent Cloud account creator and all the collaborators through email and SMS.

Arrears processing

Starting from the moment your account becomes negative:

- You can continue to use your TencentDB instance for 24 hours from the moment your account becomes negative. We will also continue to bill you for this period.
- When your account is in arrears for 24 hours , **your TencentDB instance will automatically shut down. We will also stop billing you for service.**

After automatic shutdown:

- If your account is not topped up to a positive balance within 3 days after automatic shutdown, you will not be able to launch your database; If your balance is positive, the billing continues, and you can start your database.
- If your account balance remains negative for 3 days after shutdown, the pay-as-you-go database will be repossessed. **All data will be erased and cannot be retrieved.**

We will notify the Tencent Cloud account creator and all the collaborators through email and SMS when the TencentDB instance is repossessed.

When you no longer use pay-as-you-go resources, **terminate them as soon as possible** to avoid further fee deductions.

As your actual resource consumption may change over time, there may be some deviation in the balance alert.