

# **TencentDB for MongoDB**

## **Purchase Guide**

### **Product Documentation**



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# Contents

## Purchase Guide

Billing Overview

MongoDB Pricing

Payment Overdue

Configuration Adjustment Billing

# Purchase Guide

## Billing Overview

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### Billing Modes

TencentDB for MongoDB supports pay-as-you-go billing mode.

#### Pay-as-you-go

Pay-as-you-go is a postpaid billing mode. We recommend you choose the pay-as-you-go billing mode if your business may fluctuate greatly and unpredictably or your resource usage tends to be temporary or abrupt. When you purchase a TencentDB for MongoDB instance, the hardware fees of one hour will be frozen in your Tencent Cloud account and charged on the hour, with the billable usage duration accurate down to the second. In this mode, you only need to pay for the actual usage of TencentDB for MongoDB with no upfront payment required.

The tiered pricing model is based on usage duration.

0 days < duration ≤ 4 days: tier 1 pay-as-you-go price applies.

4 days < duration ≤ 15 days: tier 2 pay-as-you-go price applies.

Duration > 15 days: tier 3 pay-as-you-go price applies.

### Compute

Computing resources include CPU resources and memory resources. Instance parameters such as the maximum QPS and number of access connections are subject to the selected computing resource specification. For the prices, please see [MongoDB Pricing](#).

Currently, the following specifications are available:

Configuration Type	CPU per Node	Memory per Node	Instance QPS	Maximum Number of Connections
High IO	1 core	2 GB	3,000	1,500
High IO	2 cores	4 GB	5,000	2,000
High IO	2 cores	6 GB	5,000	2,500
High IO	4 cores	8 GB	9,000	3,500
High IO	6 cores	16 GB	20,000	6,000

High IO	10 cores	24 GB	25,000	8,000
High IO	12 cores	32 GB	27,000	9,500
High IO	24 cores	64 GB	33,000	16,000
Ten-Gigabit High IO	2 cores	4 GB	5,000	2,000
Ten-Gigabit High IO	4 cores	8 GB	9,000	3,500
Ten-Gigabit High IO	6 cores	16 GB	20,000	6,000
Ten-Gigabit High IO	12 cores	32 GB	27,000	9,500
Ten-Gigabit High IO	24 cores	64 GB	33,000	16,000
Ten-Gigabit High IO	24 cores	128 GB	36,000	18,000
Ten-Gigabit High IO	32 cores	240 GB	39,000	18,000
Ten-Gigabit High IO	48 cores	512 GB	42,000	18,000

**Note:**

The above numbers of connections have taken effect since August 10, 2020.

For a replica set, the maximum number of connections for an instance is as indicated in the table above; for a sharded cluster, the maximum number of connections is the `number of shards * specification of single shard` or `18,000`, whichever is smaller.

For example, if a sharded cluster instance has 3 shards, each with 64 GB memory, then as  $16,000 * 3 = 48,000 > 18,000$ , the maximum number of connections for this cluster will be 18,000.

## Storage

Tencent Cloud provides flexible, affordable and user-friendly data storage devices for TencentDB for MongoDB instances. For more information on prices, see [MongoDB Pricing](#).

# MongoDB Pricing

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A TencentDB for MongoDB cluster typically consists of three or more nodes. Each node contains computing resources (specified CVM models) and storage resources (cloud disks).

Replica set instance price formula: \*\*Price of a replica set instance = Single-Node price (computing resource fees + storage resource fees) x Number of nodes \*\*

## Pay-as-You-Go Pricing

### Computing resource rates

Region	Specification	Tier 1 (USD/GB/Hr)	Tier 2 (USD/GB/Hr)	Tier 3 (USD/GB/Hr)
Beijing, Shanghai, Guangzhou, Qingyuan, Chengdu, Chongqing, Tokyo	Smaller than 128 GB	0.01521164	0.01140873	0.00760582
	Equal to 128 GB	0.014814815	0.011111111	0.007407408
	Equal to 240 GB	0.014285714	0.010714286	0.007142857
	Equal to 512 GB	0.009920635	0.007440476	0.004960318
Hong Kong (China), Singapore	Smaller than 128 GB	0.01785714	0.01339286	0.00892857
	Equal to 128 GB	0.015873016	0.01339286	0.01190476
	Equal to 240 GB	0.013888889	0.010416667	0.006944445
	Equal to 512 GB	0.011904762	0.008928572	0.005952381
Bangkok, Mumbai	Smaller than 128 GB	0.018253968	0.013690476	0.009126984
	Equal to 128	0.015873016	0.011904762	0.007936508

	GB			
	Equal to 240 GB	0.013492063	0.010119047	0.006746032
	Equal to 512 GB	0.011904762	0.008928572	0.005952381
Seoul	Smaller than 128 GB	0.013888889	0.010416667	0.006944445
	Equal to 128 GB	0.013227513	0.009920635	0.006613757
	Equal to 240 GB	0.011904762	0.008928572	0.005952381
	Equal to 512 GB	0.010582011	0.007936508	0.005291006
Silicon Valley	Smaller than 128 GB	0.017195767	0.012896825	0.008597884
	Equal to 128 GB	0.01521164	0.01140873	0.00760582
	Equal to 240 GB	0.012566138	0.009424604	0.006283069
	Equal to 512 GB	0.010582011	0.007936508	0.005291006
Frankfurt	Smaller than 128 GB	0.015873016	0.011904762	0.007936508
	Equal to 128 GB	0.014285714	0.010714286	0.007142857
	Equal to 240 GB	0.013756614	0.010317461	0.006878307
	Equal to 512 GB	0.00952381	0.00714286	0.00476191
Virginia	Smaller than 128 GB	0.015873016	0.011904762	0.007936508
	Equal to 128	0.014285714	0.010714286	0.007142857

	GB			
	Equal to 240 GB	0.01349206	0.01011905	0.00674603
	Equal to 512 GB	0.01058201	0.00793651	0.00529101

### Storage resource rates

Region	Disk Price (USD/GB/Hr)
Beijing, Shanghai, Guangzhou, Qingyuan, Chengdu, Chongqing, Tokyo	0.000138857
Hong Kong (China), Singapore	0.000178571
Bangkok, Mumbai	0.000171952
Seoul	0.00015873
Silicon Valley	0.000158714
Virginia	0.000145503
Frankfurt	0.000119048

# Payment Overdue

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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.

## Payment Overdue Reminder for Pay-as-You-Go Resources

### 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 is constantly changing, some slight discrepancies may exist for your stated balance.

If your account has overdue payment, pay-as-you-go instances **cannot be restored** from the recycle bin.

### 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 as configured in message subscription in the [Message Center](#).

### Processing for overdue payment

#### When your account balance becomes negative:

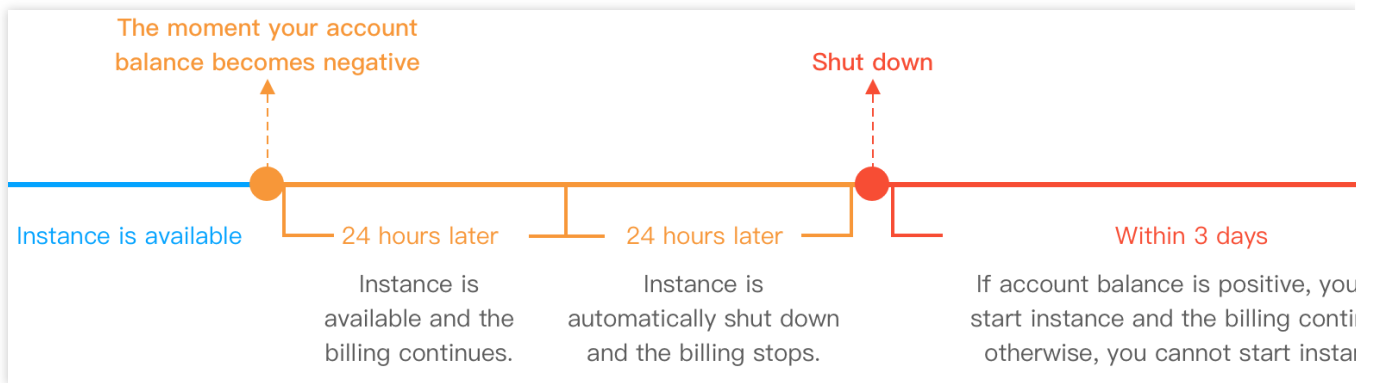
TencentDB instances are still available for 24 hours, meanwhile the billing continues.

After 24 hours, TencentDB instances automatically shuts down and the billing stops. The instances are moved from the instance list to the recycle bin list.

#### After automatic shutdown:

If the overdue payment is paid within 3 days, you can start up the instances and the billing continues.

After 3 days of shutdown, the TencentDB instances will be repossessed by Tencent Cloud. 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.



## Restoring instances after making the payment

After you make the payment, pay-as-you-go instances in the recycle bin become restorable. Go to the recycle bin list to restore them.

You can restore instances in batches from the recycle bin, but pay-as-you-go instances and monthly-subscribed instances cannot be restored at the same time.

# Configuration Adjustment Billing

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## Overview

This document describes the fees of adjusting the configurations of a pay-as-you-go TencentDB for MongoDB instance.

**Replica set:** Configuration adjustment refers to adjusting the mongod configurations, including the mongod node computing specification and memory, disk capacity, number of primary and secondary nodes. After the adjustment, fees will be charged by the new configurations.

**Sharded cluster:** Configuration adjustment refers to adjusting the mongod and mongos configurations, including the mongod shard quantity, node quantity per shard, and memory and storage capacity per node, as well as mongos computing specification, memory, and node quantity.

## Billing

### Upgrading instance configurations

#### Pay-as-you-go

The instance will be billed based on the new specification on the next hour under tier 1, and fees will be settled on each clock-hour.

0 days < duration ≤ 4 days: Tier 1 pay-as-you-go price applies.

4 days < duration ≤ 15 days: Tier 2 pay-as-you-go price applies.

Duration > 15 days: Tier 3 pay-as-you-go price applies.

For detailed pricing, see [MongoDB Pricing](#).

### Downgrading instance configurations

#### Pay-as-you-go

The instance will be billed based on the new specification on the next hour under tier 1, and fees will be settled on each clock-hour.

0 days < duration ≤ 4 days: Tier 1 pay-as-you-go price applies.

4 days < duration ≤ 15 days: Tier 2 pay-as-you-go price applies.

Duration > 15 days: Tier 3 pay-as-you-go price applies.

For detailed pricing, see [MongoDB Pricing](#).