Tencent Cloud

TencentDB for Redis

Purchase Guide

Product Documentation

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Purchase Guide

Billing Overview

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After you select the appropriate instance specifications, you may choose the billing mode that matches your business scenario. Then you may budget the instance cost based on the unit price of different regional billing items.

Billing Mode

TencentDB for Redis provides two billing modes: **monthly subscription** and **pay-as-you-go**. Currently, only pay-as-you-go is supported. Monthly subscription is under development.

Pay-as-You-Go

Postpaid Billing is recommended for the following cases: There is significant volatility in business development that cannot be accurately predicted, or resource usage exhibits temporary or sudden characteristics. When TencentDB for Redis is purchased, an hour's worth of fees will be frozen in the user's cloud account, with settlement occurring once per full hour (Beijing Time). Users only need to pay for the actual usage of TencentDB for Redis, without any upfront costs.

Monthly Subscription (Currently Not Supported)

Prepaid Billing is suitable for long-term businesses with relatively stable volumes of operations. Compared to pay-as-you-go, the cost is more affordable. When purchasing TencentDB for Redis, users pay in advance for one month or several months/years according to their business needs.

Note:

The **monthly subscription mode of this product is currently in beta, and the price document is for reference only**. The final price will be determined by the bill. If needed, contact the business team.

Billing and Pricing

TencentDB for Redis adopts a linear pricing strategy, where the total billing cost for an instance is calculated as the purchased specification multiplied by the cost per unit of that specification. Pricing for the prepaid monthly subscription mode is provided for reference only. For the per-hour and per-GB unit pricing under the pay-as-you-go billing mode, see the Product Pricing.

Pricing

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Pay-as-you-go

For pay-as-you-go of TencentDB for Redis, billing is divided into the following three tiers based on various usage duration, with longer usage periods resulting in lower unit pricing.

For durations more than 0 days and up to and including 4 days, the pay-as-you-go price for the first tier is used.

For durations more than 4 days and up to and including 15 days, the pay-as-you-go price for the second tier is used.

For durations exceeding 15 days, the pay-as-you-go price for the third tier is used.

Note:

After instance scaling and isolation, pricing is recalculated starting from the first tier.

Cluster edition single node pricing

Instance price = number of shards * shard capacity * (1 + number of replicas) * node unit price per GB

Region	Tier 1 (USD/GB/Hour)	Tier 2 (USD/GB/Hour)	Tier 3 (USD/GB/Hour)
Guangzhou	0.017964	0.013464	0.008964
Nanjing	0.017964	0.013464	0.008964
Shanghai	0.017964	0.013464	0.008964
Beijing	0.017964	0.013464	0.008964
Chengdu	0.017964	0.013464	0.008964
Chongqing	0.017964	0.013464	0.008964
Hong Kong (China)	0.019224	0.014436	0.009612
Bangkok	0.023940	0.019745	0.011952
Jakarta	0.031624	0.023718	0.015812
Singapore	0.025632	0.019224	0.012816
Mumbai	0.029916	0.022428	0.016455

Seoul	0.027792	0.020844	0.013896
Tokyo	0.030780	0.023076	0.015372
Silicon Valley	0.023940	0.019745	0.011952
Virginia	0.017964	0.013464	0.008964
Frankfurt	0.029052	0.021780	0.014544
Sao Paulo	0.023940	0.019745	0.011952

Standard edition single node pricing

Instance price = node capacity * (1 + number of replicas) * node unit price per GB

Region	Tier 1 (USD/GB/Hour)	Tier 2 (USD/GB/Hour)	Tier 3 (USD/GB/Hour)
Guangzhou	0.015276	0.011457	0.007638
Nanjing	0.015276	0.011457	0.007638
Shanghai	0.015276	0.011457	0.007638
Beijing	0.015276	0.011457	0.007638
Chengdu	0.010653	0.007990	0.005326
Chongqing	0.010653	0.007990	0.005326
Hong Kong (China)	0.019485	0.014614	0.009742
Bangkok	0.022512	0.016884	0.011258
Jakarta	0.026496	0.019872	0.013
Singapore	0.019899	0.014924	0.009949
Mumbai	0.022512	0.016884	0.011256
Seoul	0.027	0.02	0.013
Tokyo	0.026532	0.019899	0.013266
Silicon	0.024356	0.018267	0.012178

Valley			
Virginia	0.016080	0.012060	0.008040
Frankfurt	0.028205	0.021154	0.014103
Sao Paulo	0.024356	0.018267	0.012178

Monthly subscription

Note:

Monthly subscription is currently in beta, and current pricing for different regions is for reference only, please see your bill for the actual price. If you wish to use this billing option, please contact sales.

Standard edition pricing

Instance price = node capacity * (1 + number of replicas) * node unit price per GB

Region (no region specified means there's no distinction between regions)	Pricing type	Price (USD/GB/month)
Guangzhou, Shanghai, Beijing, Nanjing, Wuhan, Qingyuan	Linear	5.4992736
Thailand, India	Linear	5.7525336
Taipei (China)	Linear	9.23184
Japan, Seoul	Linear	9.551376
Silicon Valley (US)	Linear	10.4196816
Virginia	Linear	5.7887136
Frankfurt	Linear	11.16923
Toronto, Hong Kong (China), Singapore	Linear	7.163532
Chengdu, Chongqing	Linear	3.8350224
Sao Paulo	Linear	9.3076923

Cluster edition pricing

Instance price = number of shards * shard capacity * (1 + number of replicas) * node unit price per GB

Region (no region specified means there's no distinction between regions)	Pricing type	Price (USD/GB/month)

Guangzhou, Shanghai, Beijing, Nanjing, Wuhan, Qingyuan	Linear	6.45408
Hong Kong (China)	Linear	6.92064
Toronto	Linear	7.54272
Silicon Valley (US), Thailand	Linear	8.60544
Singapore	Linear	9.22752
Seoul	Linear	10.00512
Taipei (China)	Linear	10.18656
India	Linear	10.7568
Frankfurt	Linear	11.50769
Japan	Linear	11.06784
Sao Paulo	Linear	9.47692

Purchase Method

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Overview

This document describes how to purchase and configure a TencentDB for Redis instance in the following two ways:

Console: You can configure the instance parameters and directly make a purchase in the web console.

API: You can call the `CreateInstances` API to make a purchase.

Preparations for purchase

You have registered a Tencent Cloud account and completed identity verification.

Click here to complete identity verification.

You have determined a region and AZ for the instance. For more information, see Regions and AZs.

You have determined the specification and performance requirements of the instance. For more information, see Memory Edition (Standard Architecture) and Performance.

You have determined a VPC and security group for the instance. For more information, see Virtual Private Cloud and Configuring Security Group.

To deploy the instance across multiple AZs in the same region, learn more about the architecture of multi-AZ deployment first.

To support read/write separation, learn more about how it is implemented first.

You have checked out the billing details of the instance. For more information, see Billing Overview. Database fees for one hour will be frozen when you create a pay-as-you-go database. Make sure that your account balance is sufficient before making a purchase.

Purchasing in the console

1. Log in to the TencentDB for Redis purchase page with your Tencent Cloud account.

2. Configure the instance as needed based on the parameter descriptions below:

Parameter	Required	Description
Billing Mode	Yes	Currently, only **pay-as-you-go** is supported.
Region	Yes	Select a region where your instance resides. You should select a region closest to you to reduce access latency.

		Note that the region cannot be changed after the instance is successfully created. We recommend that you select the same region as the CVM instance for private network communication.
Instance Edition	Yes	Select the **Memory Edition**. The CKV Edition is unavailable currently.
Compatible Version	Yes	It is a high-performance edition based on open-source Redis and compatible with Redis 6.2, 5.0, 4.0, and 2.8. v2.8 is unavailable currently, and v4.0 or later is recommended. To purchase v2.8, submit a ticket.
Architecture	Yes	v4.0 or later supports the standard architecture and cluster architecture, while v2.8 only supports the standard architecture. For more information on the product architecture, see Memory Edition (Standard Architecture) and Memory Edition (Cluster Architecture).
Memory	Yes	Configure the required memory size (0.25–64 GB) if you select **Standard Architecture** for **Architecture**.
Replica Quantity	Yes	Select the number of database replicas. Multiple replicas provide master-replica high availability, enhancing the data security. Replicas can also be used to enhance the read-only performance. The replica quantity may vary by region or edition as configured in the console by default.
Shard Quantity	Yes	Set the number of shards as needed if you select **Cluster Architecture** for **Architecture**. The more the shards, the larger the cluster storage capacity.
Shard Capacity	Yes	Set the capacity of each shard if you select **Cluster Architecture** for **Architecture**.
Specs Preview	-	Preview the selected specification and the supported maximum number of connections and maximum network throughput to verify whether they meet your expectations.
Read-Only Replica	No	Specify whether to enable read/write separation. You can also enable it later as needed. For more information, see Read/Write Separation.
Network Type	Yes	Currently, only **VPC** is supported.
AZ	Yes	Choose whether to enable multi-AZ deployment. Both single-AZ deployment and multi-AZ deployment are supported. Multi-AZ deployed instances have higher availability and better disaster recovery capability than single-AZ deployed instances. For more information, see Multi-AZ Deployment.

		For single-AZ deployment, select the AZ of the master node in **Master Node Group (Master AZ)**. For multi-AZ deployment, select the master AZ from the drop-down list of **Master Node Group (Master AZ)**, and specify the AZs for replicas in the drop-down lists of replicas.
IPv4 Network	Yes	Select the VPC and subnet. We recommend that you select the same VPC in the same region as the CVM instance to be connected to. VPCs are region-specific (e.g., Guangzhou), while subnets are AZ-specific (e.g., Guangzhou Zone 1). One VPC can be divided into one or multiple subnets, which are interconnected over the private network by default. Different VPCs are isolated over the private network by default, no matter whether they are in the same or different regions. You can switch the VPC after instance purchase as instructed in Configuring Network. You can also click **Create VPCs** and **Create Subnets** to create the desired network environment as instructed in Creating VPC.
Port	Yes	Custom port. The default port is 6379. The value range is [1024,65535].
Parameter Template	Yes	Select the parameter template associated with the instance. You can apply a parameter template to configure parameters in batches for the instance. The system will automatically adapt the corresponding default template based on the selected compatible version and architecture. For more information, see the default template in Applying Parameter Templates.
Project	Yes	Assign your instance to a project for easy management.
Tag	No	Add tags to your instance for easy classification and management. Click **Add** to select tag keys and values.
Security Group	Yes	Set security group rules to control the inbound traffic to your database. You can either select a security group from the **Existing Security Groups** drop-down list or click **Custom Security Groups** to create one and set **inbound rules**. For more information, see Configuring Security Group.
Instance Name	Yes	Enter up to 60 letters, digits, hyphens, and underscores.
Set Password	Yes	Select the password authentication method, which can be **Password Authentication** (default value) or **Passwordless Authentication**.
Password	No	If you select **Password Authentication** for **Set Password**, you need to set an access password for the instance according to the following requirements: It can contain [8,30] characters. It must contain at least two of the following four types: lowercase letters, uppercase letters, digits, and symbols (()`~!@#$%^&*-+=_|{}[]:;<>,.?/).

		It cannot start with a slash (/).
Confirm Password	No	Enter the access password for the instance again.
Quantity	Yes	You can purchase up to 30 pay-as-you-go instances at a time. 1–100 instances can be purchased in each region.
Terms of Service	Yes	Read TencentDB Service Level Agreement and Service Level Agreement and select **I have read and agreed to**.

3. After verifying that the parameters are correctly configured, click **Buy Now**. After the purchase success message is displayed, click **Go to Console**. After the instance becomes **Running** in the status , you can use it normally.

Note:

After activating TencentDB for Redis, make sure that your account balance is sufficient. An insufficient balance may cause overdue payments or even instance repossession. For more information, see Payment Overdue.

For subsequent operations, see Creating TencentDB for Redis Instance.

Purchasing via APIs

API	Description
CreateInstances	Creates a TencentDB for Redis instance

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.

Pay-as-You-Go

Note:

After you stop using pay-as-you-go resources, **terminate them as soon as possible** to avoid fee deduction.

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

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 the message subscription in the Message Center.

For more information on the message notification mechanism, see Postpaid Billing.
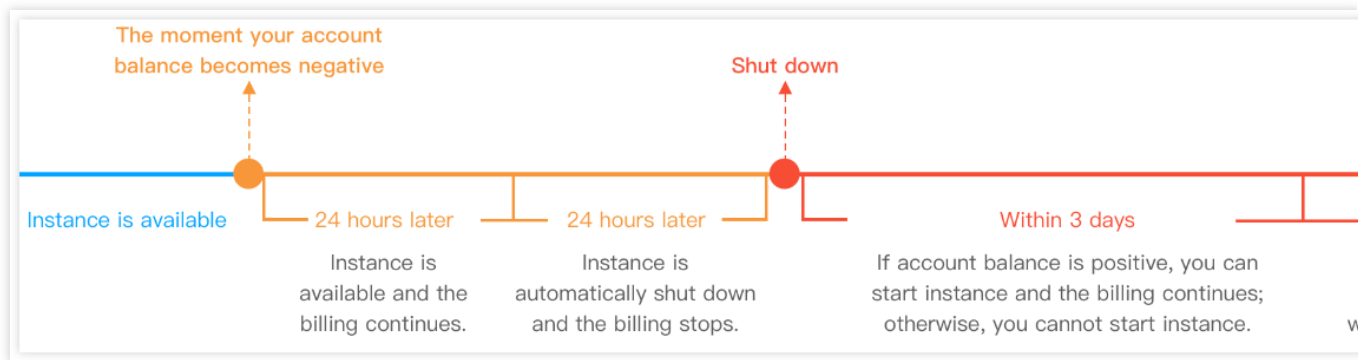
Overdue payment policy

When your account balance becomes negative:

You can continue to use your TencentDB instance for 24 hours. We will continue to bill you for this period.

After 24 hours, the TencentDB instance will be automatically shut down and isolated into the recycle bin, and the billing will stop.

After automatic shutdown:

Within 3 days of shutdown, if you top up your account balance to greater than or equal to 0, the TencentDB instance can be restarted, and billing will resume. However, if your account balance is less than 0, restarting will not be possible.

After 3 days of shutdown,the TencentDB instance 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 by email, SMS, etc.

The moment your account
balance becomes negative

Shut down

Instance is available

24 hours later

Instance is
available and the
billing continues.

24 hours later

Instance is
automatically shut down
and the billing stops.

Within 3 days

If account balance is positive, you can
start instance and the billing continues;
otherwise, you cannot start instance.

Rectification Process

Once the account balance is topped up to a positive value, the Pay-As-You-Go instances will be transitioned into a recoverable state. At this point, you can access the **Recycle Bin** and initiate the recovery process for the instances.