

TencentDB for Redis

Purchase Guide

Product Documentation



Copyright Notice

©2013-2023 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

Purchase Guide

Billing Overview

Pricing

Purchase Method

Payment Overdue

Renewal

Purchase Guide

Billing Overview

Last updated : 2023-06-26 14:56:02

Billing Modes

Note :

Monthly subscription is currently in beta. This pricing document is for reference only, please see your bill for the actual price. If you wish to use this billing option, please [contact sales](#).

- TencentDB for Redis adopts a linear pricing strategy, where charges for an instance are calculated by multiplying the instance specifications by the unit price.
- TencentDB for Redis provides two billing options, pay-as-you-go and monthly subscription.
- For pay-as-you-go, the billable usage time is accurate down to the second, where the unit price = monthly price / 30 days / 24 hours / 3600 seconds.

Pay-as-you-go

TencentDB for Redis supports tiered pricing. The longer you use it, the more you save.

The tiered pricing model is based on usage duration.

- 0 days < duration ≤ 4 days: Tier 1 pay-as-you-go pricing applies, where hourly price = monthly price / 30 / 24 * 2
- 4 days < duration ≤ 15 days: Tier 2 pay-as-you-go pricing applies, where hourly price = monthly price / 30 / 24 * 1.5
- Duration > 15 days: Tier 3 pay-as-you-go pricing applies, where hourly price = monthly price / 30 / 24

Configuration	USD/GB/Hour	USD/GB/Month	Region
1 GB MEM	0.034704	24.98688	Beijing, Shanghai, Guangzhou, Chengdu, and Chongqing
1 GB MEM	0.029196	21.02112	US East Coast (Virginia) and West Coast (Silicon Valley)
1 GB MEM	0.036108	25.99776	Hong Kong (China) and Singapore
1 GB MEM	0.045792	32.97024	Mumbai

Configuration	USD/GB/Hour	USD/GB/Month	Region
1 GB MEM	0.037512	27.00864	Seoul
1 GB MEM	0.041688	30.01536	Frankfurt
1 GB MEM	0.045792	32.97024	Bangkok
1 GB MEM	0.026388	18.99936	Tokyo
1 GB MEM	0.050004	36.00288	North America

Note:

Prices revert to tier 1 for instances that are scaled or isolated.

Monthly subscription

An upfront payment is required for monthly subscription instances.

For specific pricing details, please see [Product Pricing](#)

Pricing

Last updated : 2023-06-26 14:45:26

Pay-as-you-go

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)
Beijing	0.017964	0.013464	0.008964
Qingyuan	0.017964	0.013464	0.008964
Chengdu	0.017964	0.013464	0.008964
Toronto	0.020952	0.015696	0.010476
Frankfurt	0.029052	0.021780	0.014544
Virginia	0.017964	0.013464	0.008964
Guangzhou	0.017964	0.013464	0.008964
Silicon Valley (US)	0.023940	0.017964	0.011952
Nanjing	0.017964	0.013464	0.008964
Japan	0.030780	0.023076	0.015372
Shanghai	0.017964	0.013464	0.008964
Seoul	0.027792	0.020844	0.013896
Taipei (China)	0.028261	0.021196	0.014130
Thailand	0.023940	0.017964	0.011952
Hong Kong (China)	0.019224	0.014436	0.009612
Singapore	0.025632	0.019224	0.012816

Region	Tier 1 (USD/GB/Hour)	Tier 2 (USD/GB/Hour)	Tier 3 (USD/GB/Hour)
India	0.029916	0.022428	0.014940
Chongqing	0.017964	0.013464	0.008964
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)
Beijing	0.015276	0.011457	0.007638
Qingyuan	0.015276	0.011457	0.007638
Chengdu	0.010653	0.007990	0.005326
Toronto	0.019899	0.014924	0.009949
Frankfurt	0.028205	0.021154	0.014103
Virginia	0.016080	0.012060	0.008040
Guangzhou	0.015276	0.011457	0.007638
Silicon Valley (US)	0.028944	0.021708	0.014472
Nanjing	0.015276	0.011457	0.007638
Japan	0.026532	0.019899	0.013266
Shanghai	0.015276	0.011457	0.007638
Seoul	0.026532	0.019899	0.013266
Taipei (China)	0.025644	0.019233	0.012822
Thailand	0.022512	0.016884	0.011256
Hong Kong (China)	0.019899	0.014924	0.009949
Singapore	0.019899	0.014924	0.009949

Region	Tier 1 (USD/GB/Hour)	Tier 2 (USD/GB/Hour)	Tier 3 (USD/GB/Hour)
India	0.022512	0.016884	0.011256
Chongqing	0.010653	0.007990	0.005326
Sao Paulo	0.024356	0.018267	0.012178

Monthly subscription

Note :

Monthly subscription is currently in beta. This pricing document 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

Last updated : 2023-03-21 16:16:12

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	Pay-as-you-go is supported. For more information, see Billing Overview .
Region	Yes	Select a region where your instance resides. You should select a region closest to

		<p>you to reduce access latency.</p> <p>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.</p>
Instance Edition	Yes	Select the Memory Edition . The CKV Edition is unavailable currently.
Compatible Version	Yes	<p>It is a high-performance edition based on open-source Redis and compatible with Redis 6.2, 5.0, 4.0, and 2.8.</p> <p>v2.8 is unavailable currently, and v4.0 or later is recommended. To purchase v2.8, submit a ticket.</p>
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	<p>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.</p> <p>The replica quantity may vary by region or edition as configured in the console by default.</p>
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 .

		<p>For single-AZ deployment, select the AZ of the master node in **Master Node Group (Master AZ)**.</p> <p>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.</p>
IPv4 Network	Yes	<p>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.</p> <p>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.</p> <p>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.</p>
Port	Yes	Custom port. The default port is 6379. The value range is [1024,65535].
Parameter Template	Yes	<p>Select the parameter template associated with the instance.</p> <p>You can apply a parameter template to configure parameters in batches for the instance.</p> <p>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.</p>
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	<p>If you select Password Authentication for Set Password, you need to set an access password for the instance according to the following requirements:</p> <p>It can contain [8,30] characters.</p> <p>It must contain at least two of the following four types: lowercase letters, uppercase letters, digits, and symbols (()<code>`~!@#\$%^&*~+=_{}[];:<>,.?/</code>).</p>

		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.
Validity Period	No	Select the purchase period as needed. The longer the purchase period, the higher the discount.
Auto-Renewal	No	Select whether to enable the Auto-Renewal feature. If it is enabled, after the instance expires, fees will be automatically deducted monthly from your Tencent Cloud account.
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.

Notes

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

Last updated : 2023-07-21 11:18:13

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

1. 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.

2. After automatic shutdown:

- If the overdue payment is paid within 24 hours, you can start the instance up for use. For detailed directions, see [Restoring Isolated Instance](#).
- After 24 hours 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.

Renewal

Last updated : 2020-06-29 17:38:58

Tencent DB for Redis supports the renewal of resources on the console.

Renewing on the Console

Batch Renew

1. Log in to the [TencentDB for Redis Console](#), select the instance to be renewed in the instance list, and select **Renew**.
2. Select the length of the renewal in the pop-up window and then click **OK**.
3. Look over your order information, and then click **Confirm Purchase** to proceed.
4. If your payment is successful, you can continue to view your order or return to the console.

Auto-Renewal

Select the instance for which to configure auto-renewal from the instance list, and then on the upper portion of the page select **More > Set Auto-Renewal**