

TencentDB for Redis

Getting Started

Product Documentation



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Getting Started

Creating Database Instances

Last updated : 2020-04-17 10:55:09

Operation Scenarios

This document describes how to create an instance in the TencentDB for Redis Console.

Directions

Creating an instance



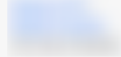
1. Log in to the [TencentDB for Redis Console](#) and select **Instance List** on the left sidebar.
2. Click **Create Instance** and enter the parameters as required.

Parameter	Remarks
Billing Mode	Pay-as-you-go billing is supported.
Network Type	The basic network and VPC cannot communicate with each other. You cannot change the network type after purchase. For more information, please see Network Environment .
Engine	The Redis Community Edition is supported.
Compatible Version	It is compatible with Redis 2.8 and Redis 4.0.
Replica Count	<ul style="list-style-type: none">◦ Redis 2.8 Standard Edition supports 0-1 replica.◦ Redis 4.0/5.0 Standard Edition supports 1-5 replicas.◦ Redis 4.0/5.0 Cluster Edition supports 1-5 replicas.
Port	The custom port number needs to be between 1024 and 65535
Specify Project/Security Group	Specify the project and security group for the database.
Instance Name/Set Password	You can directly set the instance name and password here or set them in the instance list after creation.

3. After confirming that everything is correct, click **Buy Now**. For detailed pricing of each edition, please see [Product Pricing](#).
4. Return to the instance list. After the status of the instance is displayed as **Running**, it can be used normally.

Renaming an instance

In the **Instance ID / Name** column in the instance list, click the small icon below to rename the instance.

Instance ID / ...	Status/Monitoring	Project	Network	Billing Mo...	Engine/Ver...	Used/Total	Creation Time	Operation
<input type="checkbox"/> [Instance ID] 	 To be initialized Please first Initialize Password	Default Project		Pay as you go				Log In Configure More

Creating TencentDB for Redis Instance

Last updated : 2020-08-18 10:43:36

This document describes how to create and rename an instance in the TencentDB for Redis Console.

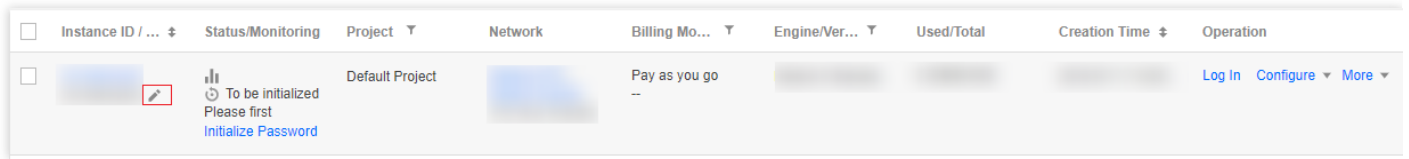
Directions

1. Log in at the [TencentDB for Redis purchase page](#) and select the configuration based on your actual needs.

Parameter	Remarks
Network Type	VPC is recommended. After the instance is purchased, you can change from the classic network to VPC but not from VPC to the classic network. For more information, please see Network Environment .
Product Version	Memory Edition is supported. It is a high-performance edition based on the open-source Redis engine, which is compatible with Redis 2.8, 4.0, and 5.0.
Compatible Version	TencentDB for Redis is compatible with Redis 2.8, 4.0, and 5.0. v2.8 is unavailable currently, and v4.0 or above is recommended. If you need to purchase v2.8, please submit a ticket for application.
Architecture Version	Standard Edition and Cluster Edition are supported.
Replica Count	<ul style="list-style-type: none">◦ Redis 2.8 Standard Edition supports 0-1 replica.◦ Redis 4.0/5.0 Standard Edition supports 1-5 replicas.◦ Redis 4.0/5.0 Cluster Edition supports 1-5 replicas.
Port	Custom ports must fall between 1024 and 65535.
Specify Project/Security Group	Specify the project and security group for the database.
Instance Name/Set Password	You can directly set the instance name and password here or set them in the instance list after creation.

2. After confirming that everything is correct, click **Buy Now**. For detailed pricing of each edition, please see [Pricing](#).

3. After the purchase is completed, you will be redirected to the instance list. After the status of the instance is displayed as **Running**, the instance can be used normally.
4. (Optional) To rename the instance, in the **Instance ID / Name** column in the instance list, click the small icon below to rename the instance.



Instance ID / ...	Status/Monitoring	Project	Network	Billing Mo...	Engine/Ver...	Used/Total	Creation Time	Operation
[Redacted]	To be initialized Please first Initialize Password	Default Project	[Redacted]	Pay as you go	[Redacted]	[Redacted]	[Redacted]	Log In Configure More

Subsequent Steps

- Use a CVM instance to directly access the private IP of the TencentDB instance. For more information, please see [Connecting to TencentDB for Redis over Private Network](#).
- Use a CVM instance with a public IP for port forwarding to connect to TencentDB for Redis over the public network. For more information, please see [Connecting to TencentDB for Redis over Public Network](#).

Connecting to Database Instances

Last updated : 2020-07-29 13:19:13

A CVM instance can be used to access the private address that is automatically assigned to a TencentDB instance. This connection method relies on the high-speed private network of Tencent Cloud and features low delay. Both instances should be under the same account and reside in the same [VPC](#) in the same region or reside in the basic network.

Note :

CVM and TencentDB instances in different VPCs (under the same or different accounts in the same or different regions) can be interconnected over the private network through [Peering Connection](#).

Environment Preparations

1. Log in to a Linux CVM instance. For more information, please see [Configuring Linux CVM](#).
2. Taking a CVM instance on CentOS as an example, Install the Redis client by running the following command:

```
yum install redis -y
```

If `Complete!` is displayed, it means the Redis client is installed successfully.

Instance Connection

Password-free instance

If your instance is password-free, the connection command should be as follows:

```
redis-cli -h IP address -p port
```

Password-protected instance

If your instance is password-protected, the following open-source connection format is supported:

```
redis-cli -h IP address -p port -a password
```


For example, if the password you set is `abcd1234` , then the connection command should be as follows:

```
redis-cli -h IP address -p port -a abcd1234
```

Note :

For instances purchased before January 2018, you need to replace the "password" with "instance ID:password" to access it. For example:

```
redis-cli -h IP address -p port -a crs-bkuza6i3:abcd1234
```

Connection Sample

For examples of each connection format, please see [Connecting to Instances](#).

Connecting to TencentDB for Redis over Public Network

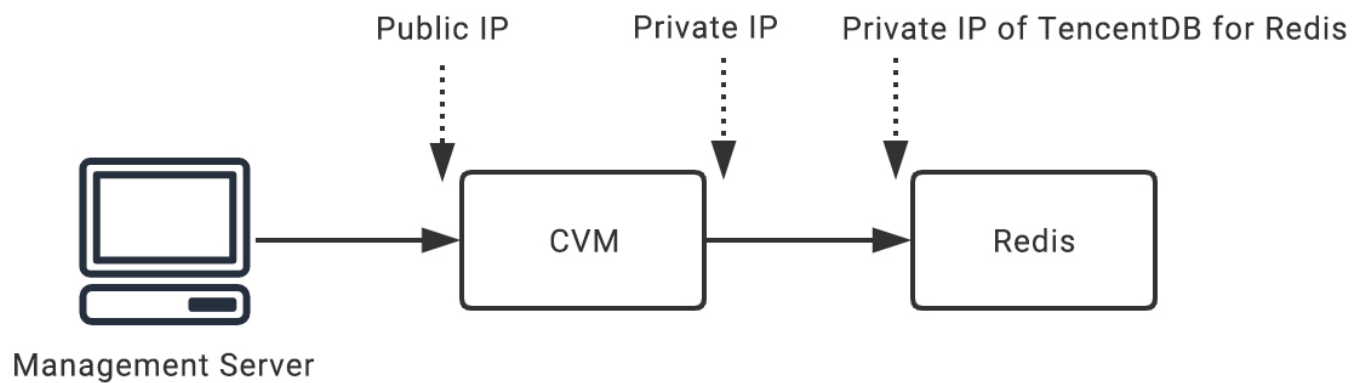
Last updated : 2020-09-15 11:23:25

Operation Scenarios

TencentDB for Redis does not support public network access for the time being. You can use a CVM instance with a public IP for port forwarding so as to access TencentDB for Redis over the public network.

Note :

iptables-based forwarding may be unstable; therefore, you are not recommended to access instances over the public network in the production environment.



Directions

1. Log in to the [CVM instance](#) and enable the CVM IP forwarding feature.

Note :

The CVM and TencentDB instances must be under the same account and in the same VPC in the same region, or both in the classic network

```
echo 1 > /proc/sys/net/ipv4/ip_forward
```

2. Configure the forwarding rule. The sample code below forwards access requests originally to `26.xx.x.2:10001` (CVM instance public address with a custom port as desired) to the TencentDB for Redis instance with the private address `10.0.0.5:6379` :

```
iptables -t nat -A PREROUTING -p tcp --dport 10001 -j DNAT --to-destination 10.0.0.5:6379
iptables -t nat -A POSTROUTING -d 10.0.0.5 -p tcp --dport 6379 -j MASQUERADE
```

3. Configure the [CVM security group](#) to enable access to the public port of the CVM instance. You are recommended to open only source addresses that require access.
4. On the accessing client, you can connect to the TencentDB for Redis instance on the private network simply by accessing the public IP `26.xx.xx.2:10001`. The connection commands are the same as the private network connection commands. For more information, please see [Instance Connection](#).
5. After connecting to the TencentDB for Redis instance, run the `info` command. If the database information is returned, the connection is successful.