

Distributed Cache Service

Product Bulletin

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1 Product Bulletin

1.1 Huawei Cloud Distributed Cache Service Redis 3.0 Is Discontinued

Huawei Cloud has discontinued Redis 3.0 of Distributed Cache Service.

Regions

All

Impact

Redis 3.0 is unavailable for new users. For users who have Redis 3.0 instances and need later ones, purchase instances of a later version, and migrate the earlier ones to them.

If you have any questions, please submit a [service ticket](#).

1.2 Huawei Cloud Distributed Cache Service Memcached Is Discontinued

Huawei Cloud has discontinued Memcached of Distributed Cache Service.

Regions

All

Impact

Memcached is unavailable for new users. You are advised to use Redis instances.

If you have any questions, please submit a [service ticket](#).

2 Version Support Policy

Table 2-1 describes lifecycle of Redis versions of Distributed Cache Service.

Table 2-1 Version lifecycle

Version	Status	Huawei Cloud Commercial Use In	Planned EOM In	Planned EOS In
Redis 3	Discontinued	-	February 2021	December 2024
Redis 4	On sale	April 2020	September 2025	December 2025
Redis 5	On sale	June 2021	September 2026	December 2026
Redis 6	On sale	March 2023	September 2027	December 2027
Redis 7	Planning	-	-	-

3 Vulnerability Notices

3.1 Vulnerability Fixing Policies

Vulnerability Fixing Time

- High-risk vulnerabilities
After the Redis community detects vulnerabilities and releases fixing solutions, Distributed Cache Service (DCS) fixes the vulnerabilities according to the community's policies and fully verifies the Redis kernel changes within one to three months.
- Other vulnerabilities
See [Release History](#). Fix them through a normal upgrade.

Fixing Statement

To prevent customers from being exposed to unexpected risks, DCS does not provide other information about the vulnerability except the vulnerability background, details, technical analysis, affected functions/versions/scenarios, solutions, and reference information.

In addition, DCS provides the same information for all customers to protect all customers equally. DCS will not notify individual customers in advance.

DCS does not develop or release intrusive code (or code for verification) to exploit vulnerabilities.

4 Release History

Version Number

Redis versions of Distributed Cache Service are in format **Redis x.y.z**. [Figure 4-1](#) shows a version.

Figure 4-1 Sample version number



Release History

Table 4-1 Redis 6

Version	Date	Description
6.2.10	November 2023	Fixed a memory issue: Clusters publish messages to all the connected nodes, and memory usage was increased and cannot be freed.
	May 2023	Added control on the write bandwidth.
	March 2023	Fixed bandwidth quotas statistics.
	March 2023	Fixed the connection type in the bandwidth module.
	October 2022	Fixed the memory release during a ciphertext update.
	May 2022	Added the extension function on Sentinels.

Version	Date	Description
	May 2022	Added aging optimization of expired keys.
	May 2022	Incorporated community edition Redis 6.2.10 .

Table 4-2 Redis 5

Version	Date	Description
5.0.14	November 2023	Added the persistence-error-check configuration item.
	October 2023	Added disk failover in the cluster mode.
	April 2023	Modified the kernel and slowlog can be customized.
	March 2023	Optimized default quota parameters.
	January 2023	Changed counter quotas to token buckets.
	October 2022	Added read-only commands: watch , wait , and psubscribe .
	October 2022	Added dynamic command renaming in the running state.
	April 2022	Incorporated community edition Redis 5.0.14 .
	October 2021	Optimized the kernel aging speed of expired keys.
	September 2021	Optimized the kernel expiration speed.
	August 2021	Added control on the write bandwidth.
	August 2021	Added the bandwidth control and command latency record.
	April 2021	Fixed data overflow risks of the "announce" module in the Redis code.
January 2021	Fixed the issue that newly created Redis instances cannot be written into AOF.	

Version	Date	Description
	October 2020	Fixed the command for user authentication.
	October 2020	Added streams in API functions of general modules.
	May 2020	Fixed plaintext passwords in the migrate , slowlog , and monitor logs.
	April 2020	Incorporated community edition Redis 5.0.9.
	March 2020	Fixed an issue that AOF rewrite cannot be stopped in certain cases.
	March 2020	Fixed memory leakage related to lua.
	November 2019	Incorporated community edition Redis 5.0.7.

Table 4-3 Redis 4

Version	Date	Description
4.0.14	April 2023	Added dynamic renaming.
	March 2023	Modified logs.
	October 2022	Added read-only commands: watch , wait , and psubscribe .
	July 2022	Added rename-command command.
	December 2021	Fixed security vulnerability CVE-2020-14147.
	October 2021	Optimized the kernel aging speed of expired keys.
	September 2021	Optimized the kernel expiration speed.
	August 2021	Added control on the write bandwidth.
April 2021	Optimized the monitor code. Removed redundant files on the data plane.	

Version	Date	Description
	August 2020	Removed the random value function in Lua.
	April 2020	Fixed an issue that log output using redis crash does not work with the bio thread.
	March 2020	Fixed an issue that the glibc version is too old in EulerOS.
	January 2020	Added the maxrss configuration item. Removed the maxkeys configuration item.
	January 2020	Added the maxkeys configuration. When the number of keys exceed the maxkeys, they are forcibly eliminated.
	July 2019	Fixed security vulnerability CVE-2019-10193.
	July 2019	Fixed security vulnerability CVE-2019-10192.
	March 2019	Incorporated community edition Redis 4.0.14.