

Relational Database Service

Product Bulletin

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Contents

1 Vulnerability Notice	1
1.1 Vulnerability Fixing Policies.....	1
2 Product Notices	2
2.1 [Product Discontinuation Notice] RDS for PostgreSQL 12 Will Be Discontinued on May 1, 2025, 00:00:00 GMT+08:00.....	2
2.2 [Offline Notice] RDS for PostgreSQL 10 and 11 Will Go Offline on November 1, 2024, 00:00:00 GMT+08:00.....	3
2.3 [Product Discontinuation Notice] RDS for MySQL 5.6 Will Be Discontinued on July 1, 2024, 00:00:00 GMT+08:00.....	3
2.4 [Product Discontinuation Notice] RDS for PostgreSQL 10 and 11 Will Be Discontinued on July 1, 2024, 00:00:00 GMT+08:00.....	4
2.5 [Offline Notice] RDS for PostgreSQL 9.5 and 9.6 Will Go Offline on July 1, 2024, 00:00:00 GMT+08:00.....	5
2.6 [Notice] OBT for Memory Acceleration of RDS for MySQL Starts from May 28, 2024.....	5
3 Product Release Notes	7
3.1 RDS for MySQL Lifecycle.....	7
3.2 RDS for PostgreSQL Lifecycle.....	8
3.3 RDS for PostgreSQL Kernel Release History.....	10
3.4 RDS for SQL Server Lifecycle.....	13

1 Vulnerability Notice

1.1 Vulnerability Fixing Policies

RDS for MySQL Vulnerability Fixing SLA

- High-risk vulnerabilities
After the MySQL community detects vulnerabilities and releases fixing solutions, RDS for MySQL analyzes all the vulnerabilities. If any high-risk vulnerability is identified, RDS for MySQL will proactively release warnings and upgrade the version within one month.
- Other vulnerabilities
Other vulnerabilities can be fixed through a normal upgrade. For details, see [RDS for MySQL Kernel Version Description](#).

RDS for PostgreSQL Vulnerability Fixing SLA

- High-risk vulnerabilities
After the PostgreSQL community detects vulnerabilities and releases fixing solutions, RDS for PostgreSQL analyzes all the vulnerabilities. If any high-risk vulnerability is identified, RDS for PostgreSQL will proactively release warnings and upgrade the version within one month.
- Other vulnerabilities
Other vulnerabilities can be fixed through a normal upgrade. For details, see [RDS for PostgreSQL Kernel Version Description](#).

Fixing Statement

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

2 Product Notices

2.1 [Product Discontinuation Notice] RDS for PostgreSQL 12 Will Be Discontinued on May 1, 2025, 00:00:00 GMT+08:00

Notice Content

On May 1, 2025, 00:00:00 GMT+08:00, Huawei Cloud will discontinue the sale of RDS for PostgreSQL 12.

Scope

All regions

Impacts

After RDS for PostgreSQL 12 is discontinued, DB instances of this version can no longer be purchased. But previously purchased instances will still be usable. For more functions and better performance, you are advised to buy the latest available version.

FAQ

- **Why Will RDS for PostgreSQL 12 Be Discontinued?**
The PostgreSQL open-source community will stop maintaining PostgreSQL 12 on November 14, 2024.
- **What Should I Do If I Need to Buy DB Instances After RDS for PostgreSQL 12 Is Discontinued?**
You are advised to buy the latest available version.
- **Will My DB Instances of RDS for PostgreSQL 12 Be Affected After This Version Is Discontinued?**
No. Previously purchased instances of this version are still usable.

2.2 [Offline Notice] RDS for PostgreSQL 10 and 11 Will Go Offline on November 1, 2024, 00:00:00 GMT+08:00

Notice Content

On November 1, 2024, 00:00:00 GMT+08:00, RDS for PostgreSQL 10 and 11 will go offline.

Scope

All regions

Impacts

After RDS for PostgreSQL 10 and 11 go offline, they will no longer be updated and the RDS for PostgreSQL SLA will no longer be valid for them.

FAQ

- Why Will RDS for PostgreSQL 10 and 11 Be Brought Offline?
The PostgreSQL open-source community stopped maintaining PostgreSQL 10 and PostgreSQL 11 on November 10, 2022 and November 9, 2023, respectively.
- What Should I Do with My DB Instances of RDS for PostgreSQL 10 and 11 After These Two Versions Go Offline?
You are advised to upgrade your instances to the latest version so that we can continue to provide you with high-quality services. For details about how to upgrade an instance, see [Major Version Upgrade](#) or [Migration Solution Overview](#).
- What Should I Do If I Need to Buy DB Instances After RDS for PostgreSQL 10 and 11 Go Offline?
You are advised to buy the latest available version.

2.3 [Product Discontinuation Notice] RDS for MySQL 5.6 Will Be Discontinued on July 1, 2024, 00:00:00 GMT+08:00

Release Date

This notice was released on January 1, 2024.

Notice Content

On July 1, 2024, 00:00:00 GMT+08:00, Huawei Cloud will discontinue the sale of RDS for MySQL 5.6.

Scope

All regions

Impacts

After RDS for MySQL 5.6 is discontinued, DB instances of this version can no longer be purchased. But previously purchased instances will still be usable. For more functions and better performance, you are advised to buy the latest available version.

FAQ

- **Why Will RDS for MySQL 5.6 Be Discontinued?**
The MySQL open-source community stopped maintaining MySQL 5.6 on February 1, 2021.
- **What Should I Do If I Need to Buy DB Instances After RDS for MySQL 5.6 Is Discontinued?**
You are advised to buy the latest available version.
- **Will My DB Instances of RDS for MySQL 5.6 Be Affected After This Version Is Discontinued?**
No. Previously purchased instances of this version are still usable.

2.4 [Product Discontinuation Notice] RDS for PostgreSQL 10 and 11 Will Be Discontinued on July 1, 2024, 00:00:00 GMT+08:00

Notice Content

On July 1, 2024, 00:00:00 GMT+08:00, Huawei Cloud will discontinue the sale of RDS for PostgreSQL 10 and 11.

Scope

All regions

Impacts

After RDS for PostgreSQL 10 and 11 are discontinued, DB instances of these two versions can no longer be purchased. But previously purchased instances will still be usable. For more functions and better performance, you are advised to buy the latest available version.

FAQ

- **Why Will RDS for PostgreSQL 10 and 11 Be Discontinued?**
The PostgreSQL open-source community stopped maintaining PostgreSQL 10 and PostgreSQL 11 on November 10, 2022 and November 9, 2023, respectively.

- What Should I Do If I Need to Buy DB Instances After RDS for PostgreSQL 10 and 11 Are Discontinued?

You are advised to buy the latest available version.

- Will My DB Instances of RDS for PostgreSQL 10 and 11 Be Affected After These Two Versions Are Discontinued?

No. Previously purchased instances of these two versions are still usable.

2.5 [Offline Notice] RDS for PostgreSQL 9.5 and 9.6 Will Go Offline on July 1, 2024, 00:00:00 GMT+08:00

Notice Content

On July 1, 2024, 00:00:00 GMT+08:00, RDS for PostgreSQL 9.5 and 9.6 will go offline.

Scope

All regions

Impacts

After RDS for PostgreSQL 9.5 and 9.6 go offline, they will no longer be updated and the RDS for PostgreSQL SLA will no longer be valid for them.

FAQ

- Why Will RDS for PostgreSQL 9.5 and 9.6 Be Brought Offline?

The PostgreSQL open-source community stopped maintaining PostgreSQL 9.5 and PostgreSQL 9.6 on February 11, 2021 and November 11, 2021, respectively.

- What Should I Do with My DB Instances of RDS for PostgreSQL 9.5 and 9.6 After These Two Versions Go Offline?

You are advised to upgrade your instances to the latest version so that we can continue to provide you with high-quality services. For details about how to upgrade an instance, see [Major Version Upgrade](#) or [Migration Solution Overview](#).

- What Should I Do If I Need to Buy DB Instances After RDS for PostgreSQL 9.5 and 9.6 Go Offline?

You are advised to buy the latest available version.

2.6 [Notice] OBT for Memory Acceleration of RDS for MySQL Starts from May 28, 2024

Huawei Cloud will start the open beta test (OBT) for memory acceleration of RDS for MySQL on May 28, 2024.

OBT Time and Regions

Starting from May 28, 2024

How to Participate

On the **Overview** page of the target RDS for MySQL instance, choose **Memory Acceleration** in the navigation pane on the left. Create a GeminiDB instance and then create a mapping rule.

Constraints

- Primary/Standby GeminiDB Redis instances with 1 vCPU and 4 GB, 2 vCPUs and 8 GB, or 4 vCPUs and 16 GB of memory created on the **Memory Acceleration** page are free for three months. Instances with other specifications will incur charges.
- An IAM account can create three OBT instances in a region.
- You can change the specifications of a created GeminiDB Redis instance, but the instance will be billed after the change.
- To avoid being billed, you are advised to delete the GeminiDB Redis instance immediately after removing a mapping.

3 Product Release Notes

3.1 RDS for MySQL Lifecycle

RDS for MySQL extends the lifecycle of MySQL Community Edition. New versions are released during the extended period only to fix issues that severely affect the security and stability of DB instances. Huawei Cloud RDS for MySQL does not promise to fix all major security or stability issues because the MySQL community keeps security information confidential.

RDS for MySQL provides a fully managed database service by leveraging the open-source MySQL. This section describes the versioning policy of RDS for MySQL. When creating a DB instance or migrating data, you need to select a suitable version.

Huawei Cloud extends the lifecycle to provide more time for you to migrate your workloads. For details about data migration, see [From RDS for MySQL to RDS for MySQL](#).

Table 3-1 lists the RDS for MySQL kernel lifecycles that Huawei Cloud supports.

NOTE

- Some time points in [Table 3-1](#) are estimated and will be adjusted before the lifecycle ends or RDS for MySQL ends its support.
- After the lifecycle of RDS for MySQL ends, RDS for MySQL will no longer be sold, and existing DB instances will no longer be maintained (such as installing patches) or scaled up.
- Make a plan for version upgrade or data migration in advance.

Table 3-1 RDS for MySQL kernel lifecycles supported on Huawei Cloud

MySQL Version	Released by Community	Released by Huawei Cloud	End of Community Edition Lifecycle	EOS Date Supported on Huawei Cloud
5.6	2013-02-05	2017-03	2021-02-01	2024-12-30

MySQL Version	Released by Community	Released by Huawei Cloud	End of Community Edition Lifecycle	EOS Date Supported on Huawei Cloud
5.7	2015-10-21	2018-03	2023-10-25	2025-06-30
8.0	2018-09-14	2019-02	2026-04	-

 NOTE

This section was released on January 1, 2024.

3.2 RDS for PostgreSQL Lifecycle

The PostgreSQL community releases a new major version containing new features about once a year. Each major version receives bug fixes and, if need be, security fixes that are released at least once every three months in what we call a "minor release." The PostgreSQL community supports a major version for five years after its initial release. After its five-year anniversary, a major version will have one last minor release containing any fixes and will be considered end-of-life (EOL) and no longer supported.

RDS for PostgreSQL provides cloud database services based on the PostgreSQL open-source community. This section describes the versioning policy of RDS for PostgreSQL. When creating a DB instance or migrating data, you need to select a suitable version.

Version Lifecycle

Table 3-2 Version lifecycle

PostgreSQL Version	Status	Released by Community	EOL by Community	Released by Huawei Cloud	EOM by Huawei Cloud	EOS by Huawei Cloud
16	Commercial use	September 2023	November 2028	April 2024	May 2029	November 2029
15	Commercial use	October 2022	November 2027	September 2023	May 2028	November 2028
14	Commercial use	September 2021	November 2026	July 2022	May 2027	November 2027
13	Commercial use	September 2020	November 2025	April 2021	May 2026	November 2026
12	Commercial use	October 2019	November 2024	March 2020	May 2025	November 2025

PostgreSQL Version	Status	Released by Community	EOL by Community	Released by Huawei Cloud	EOM by Huawei Cloud	EOS by Huawei Cloud
11	EOS	October 2018	November 2023	January 2019	July 2024	November 2024
10	EOS	October 2017	November 2022	November 2018	July 2024	November 2024
9.6	EOS	September 2016	November 2021	February 2018	June 2023	July 2024
9.5	EOS	January 2016	February 2021	October 2017	June 2023	July 2024

Notes on RDS for PostgreSQL Enhanced Edition:

- RDS for PostgreSQL Enhanced Edition is developed from PostgreSQL 11. It is no longer sold.
- RDS for PostgreSQL Enhanced Edition was discontinued on October 15, 2022, 00:00 GMT+08:00..

NOTICE

Generally, RDS for PostgreSQL will stop providing support one year after the EOL of the community versions. If there is any change, this document will be modified. RDS for PostgreSQL periodically synchronizes vulnerability fixing from the PostgreSQL community. When there are new minor versions released, upgrade the minor version of your DB instance timely.

Phases of RDS for PostgreSQL Versions

- Open beta testing (OBT): You can experience the latest features from the RDS for PostgreSQL OBT version. However, Service Level Agreement (SLA) is not guaranteed because the stability of this version has not been completely verified.
- Commercial use: The commercial version of RDS for PostgreSQL has been fully verified and is stable and reliable. You can use this version in production environments while enjoying the SLA provided by RDS for PostgreSQL.
- End of service (EOS): After the EOS date of an RDS for PostgreSQL version, RDS for PostgreSQL does not support the creation of this version or provide technical support, including new feature updates, vulnerability or problem fixing, and patch installation. SLA is not guaranteed anymore.

RDS for PostgreSQL Version Numbers

RDS for PostgreSQL version numbers are the same as those in the PostgreSQL community, such as 12.6.

3.3 RDS for PostgreSQL Kernel Release History

The following table lists the release dates and updates of community versions supported by RDS for PostgreSQL.

Table 3-3 Kernel version release history

Released In	Supported Community Versions	Updates
2024-11	16.6 15.10 14.15 13.18 12.22	<p>Main updates:</p> <ul style="list-style-type: none"> Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2024-10978 and CVE-2024-10979 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> Release Notes on PostgreSQL 16.6, 15.10, 14.15, 13.18, and 12.22 <p>Security hardening:</p> <ul style="list-style-type: none"> Fixed the privilege escalation vulnerability caused by the third-party open-source extensions PL/Perl and PLV8.
2024-09	16.4 15.8 14.13 13.16 12.20	<p>Main updates:</p> <ul style="list-style-type: none"> Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2024-7348 and CVE-2024-4317 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> Release Notes on PostgreSQL 16.4, 15.8, 14.13, 13.16, and 12.20
2024-03	<ul style="list-style-type: none"> 16.2 15.6 14.11 13.14 12.18 	<p>Main updates:</p> <ul style="list-style-type: none"> Introduced PostgreSQL 16. Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2024-0985 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> Release Notes on PostgreSQL 16 Release Notes on PostgreSQL 16.2, 15.6, 14.11, 13.14, and 12.18

Released In	Supported Community Versions	Updates
2023-12	<ul style="list-style-type: none"> • 15.5 • 14.10 • 13.13 • 12.17 • 11.22 	<p>Main updates:</p> <ul style="list-style-type: none"> • Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2023-5868, CVE-2023-5869, and CVE-2023-5870 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 15.5, 14.10, 13.13, 12.17, and 11.22
2023-09	<ul style="list-style-type: none"> • 15.4 • 14.9 • 13.12 • 12.16 • 11.21 	<p>Main updates:</p> <ul style="list-style-type: none"> • Introduced PostgreSQL 15. • Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2023-34917 and CVE-2023-39418 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 15.4 • Release Notes on PostgreSQL 14.9, 13.12, 12.16, and 11.21
2023-08	<ul style="list-style-type: none"> • 14.8 • 13.11 • 12.15 • 11.20 	<p>Main updates:</p> <ul style="list-style-type: none"> • Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2023-2454 and CVE-2023-2455 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 14.8, 13.11, 12.15, and 11.20 <p>Security hardening:</p> <ul style="list-style-type: none"> • Fixed the arbitrary code execution vulnerability caused by <code>lo_export()</code>.

Released In	Supported Community Versions	Updates
2023-04	<ul style="list-style-type: none"> • 14.6 • 13.9 • 12.13 • 11.18 • 10.23 	<p>Main updates:</p> <ul style="list-style-type: none"> • Supported the pgl_ddl_deploy extension. • Upgraded the zhparser extension. <p>More information about extensions:</p> <ul style="list-style-type: none"> • Different kernel versions support different extensions. For details, see Supported Extensions. <p>Security hardening:</p> <ul style="list-style-type: none"> • Fixed the arbitrary code execution vulnerability caused by copy from/to.
2022-12	<ul style="list-style-type: none"> • 14.6 • 13.9 • 12.13 • 11.18 • 10.23 	<p>Main updates:</p> <ul style="list-style-type: none"> • Synchronized the latest code in the community to fix security vulnerabilities and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 14.6, 13.9, 12.13, 11.18, and 10.23
2022-07	<ul style="list-style-type: none"> • 14.4 • 13.7 • 12.11 • 11.16 • 10.21 	<p>Main updates:</p> <ul style="list-style-type: none"> • Introduced PostgreSQL 14. • Synchronized the latest code in the community to fix security vulnerabilities such as CVE-2022-1552 and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 14.4 • Release Notes on PostgreSQL 13.7, 12.11, 11.16, and 10.21
2022-04	<ul style="list-style-type: none"> • 13.6 • 12.10 • 11.15 • 10.20 • 9.6.24 	<p>Main updates:</p> <ul style="list-style-type: none"> • Synchronized the latest code in the community to fix security vulnerabilities and functional problems. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 13.6, 12.10, 11.15, 10.20, and 9.6.24

Released In	Supported Community Versions	Updates
2021-04	<ul style="list-style-type: none"> • 13.2 • 12.6 • 11.11 • 10.16 • 9.6.21 • 9.5.25 	<p>Main updates:</p> <ul style="list-style-type: none"> • Introduced PostgreSQL 13. • Synchronized the latest code in the community to fix security vulnerabilities and functional problems. • Supported failover slots. For details, see Failover Slot for Logical Subscriptions. <p>More release notes:</p> <ul style="list-style-type: none"> • Release Notes on PostgreSQL 13.2, 12.6, 11.11, 10.16, 9.6.21, and 9.5.25
2020-03	12.2	/
2019-12	9.5.19	/
2019-11	<ul style="list-style-type: none"> • 11.5 • 10.10 • 9.6.15 	/
2019-08	<ul style="list-style-type: none"> • 11.4 • 9.6.13 • 9.5.17 	/
2019-07	<ul style="list-style-type: none"> • 11.2 • 10.8 	/
2019-06	9.5.15	/
2019-03	<ul style="list-style-type: none"> • 10.6 • 9.6.11 	/
2019-01	11.0	/
2018-11	10.3	/
2018-03	9.6.5	/
2018-02	9.6.3	/
2017-10	9.5.5	/

3.4 RDS for SQL Server Lifecycle

RDS for SQL Server is reliable, secure, scalable, inexpensive, and easy to manage. It features high availability, data security, failover in seconds, and flexible backup. This section describes the versioning policy of RDS for SQL Server.

Table 3-4 Version lifecycle

Version	Status	Released by Huawei Cloud	EOM	EOS
SQL Server 2022	Commercial use	June 2023	December 2028	December 2033
SQL Server 2019	Commercial use	December 2021	December 2033	December 2035
SQL Server 2017	Commercial use	May 2020	December 2030	December 2032
SQL Server 2016	Commercial use	January 2018	December 2029	December 2031
SQL Server 2014	Commercial use	January 2018	December 2027	December 2029
SQL Server 2012	Commercial use	January 2018	December 2025	December 2027
SQL Server 2008 R2	Discontinued	January 2018	July 2021	December 2025

 **NOTE**

The versioning policy of RDS for SQL Server follows the Microsoft lifecycle policy. For details, click [here](#). If Microsoft stops maintaining a version, RDS for SQL Server will also gradually stop providing support for it.