Huawei Cloud Flexus RDS

FAQs

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Contents

1 What Is FlexusRDS?

FlexusRDS is a lightweight relational database service developed for startups and individuals. It allows you to easily set up and manage DB instances and frees you to focus on your core business.

2 Can FlexusRDS for MySQL and RDS for MySQL Instances Access Each Other?

FlexusRDS and RDS are two different products. FlexusRDS for MySQL instances can be upgraded to RDS for MySQL instances.

3 Can I Change the Instance Class of My FlexusRDS Instance?

- No. FlexusRDS provides preconfigured database plans (each plan has fixed specifications) to simplify database creation.

  You can choose one of the plans that best suits your needs. Or **submit a service ticket** to contact customer service for professional suggestions. You can purchase FlexusRDS instances by choosing a database plan. The specifications in a plan cannot be changed after purchase.
- If your purchased database plan cannot keep up with the growth in service data, you can restore your instance data to a new instance.

4 Does FlexusRDS Support Cross-AZ HA?

Yes.

When purchasing a FlexusRDS instance, you can select a high-availability plan. The primary and standby instances are automatically deployed in two different AZs. If your application workloads experience heavy use and require data redundancy, high-availability instances are recommended.

5 What Is the Backup Policy of FlexusRDS?

After you purchase a DB instance, click the instance name and go to the **Backups & Restorations** tab page. Automated backups and manual backups are available.

- Automated backup is enabled by default. To save backup space and costs, automated backups are retained for seven days. At the end of this period, the automated backups will be deleted. If you want to retain backups for a longer time, create manual backups.
- You can create manual backups as needed. Manual backups can be downloaded to your local PC. Manual backups will not be deleted even after seven days. You can restore data beyond seven days using manual backups.
- Both automated and manual backups are stored on OBS and occupy the free OBS space.
- FlexusRDS backup uses the open-source software extrabackup.

6 How Are FlexusRDS Backups Billed?

Both full and incremental backups of FlexusRDS are stored on OBS. FlexusRDS for MySQL provides free backup space of the same size as your purchased storage space. For example, if you purchase a 2U4GB_120GB instance, you will get an instance with 2 vCPUs, 4 GB of memory, 120 GB of storage space, and 120 GB of OBS backup space. You will only be billed additionally for backup space in excess of 120 GB. The backup space is billed on a pay-per-use basis. For details, see **Price Calculator**.

7 How Do I Download FlexusRDS Backups to Restore Data Locally?

On the **Backups & Restorations** page, select a backup, click **Download** in the **Operation** column, and download the backup as prompted.

To download a manual backup, you need to create a manual backup first and then download it.

8 Why Does the Root User of My FlexusRDS for MySQL Instance Not Have Super Permissions?

FlexusRDS for MySQL does not provide super permissions for the **root** user. Super permissions allow you to execute management commands, such as **reset master**, **set global**, **kill** *thread_ID*, and **reset slave**. These operations may cause primary/standby replication errors.

If you need to perform operations that require super permissions, FlexusRDS provides alternative methods.

Example 1: The command **set global** *parameter_name*=*parameter_value*; cannot be used to modify parameter values of a FlexusRDS for MySQL instance. You can modify FlexusRDS for MySQL instance parameter values only through the console.

Example 2: An error is reported after you run **create definer='root'@'%' trigger(procedure)...** because the **root** user does not have super permissions. To solve this problem, delete **definer='root'** from the command.

9 Which Storage Engine Does FlexusRDS for MySQL Provide?

FlexusRDS for MySQL provides the InnoDB storage engine by default. The InnoDB engine is the preferred engine for transactional databases. It supports Atomicity, Consistency, Isolation, Durability (ACID) transaction security tables, row locks, and foreign keys. In versions later than MySQL 5.5.5, InnoDB is used as the default storage engine.

10 Why Does FlexusRDS for MySQL Not Support the MyISAM Storage Engine?

The reasons are as follows:

- MyISAM engine tables do not support transactions. They only support table-level locks. As a result, read and write operations conflict with each other.
- MyISAM is not good at protecting data integrity. Data can be damaged or lost.
- If data is damaged, MyISAM does not support data restoration provided by FlexusRDS for MySQL. Data can only be restored manually.
- Data can be transparently migrated from MyISAM to InnoDB without changing code.

11 Does FlexusRDS for MySQL Support Read Replicas?

No. FlexusRDS for MySQL is designed to provide lightweight, less expensive, ready-to-use databases for startups and individuals. If you want to use read replicas, we recommend Relational Database Service (RDS).

12 Why Can't I Ping the EIP After It Is Bound to My FlexusRDS for MySQL Instance?

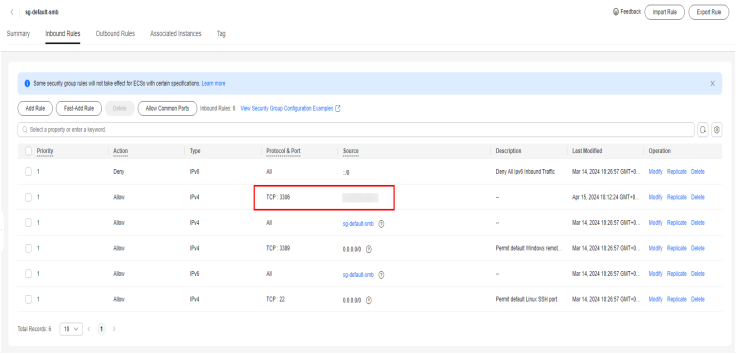
Fault Location

1. Check security group rules.
2. Check network ACLs.
3. Ping the EIP from another FlexusX instance in the same region.

Solution

1. Check security group rules.
   a. To connect to your DB instance through an EIP, add the EIP and port **3306** to an inbound rule of security group **sg-default-smb**. For details, see **Adding a Security Group Rule**.

   Figure 12-1 Adding an inbound rule

2. Check network ACLs.
   a. Check the network ACL status.
   b. Check whether the NIC to which the EIP bound belongs to the subnet associated with the network ACL.
   c. If the network ACL is enabled, add an ICMP rule to allow traffic.

> **NOTE**
>
> The default network ACL rule denies all incoming and outgoing packets. If the network ACL is disabled, the default rule still takes effect.

3. Ping the EIP from another FlexusX instance in the same region.

   Use the FlexusX instance in the same region to ping the EIP. If the EIP can be pinged, the virtual network is normal. Contact customer service.

13 How Do I Create Accounts and Databases for My FlexusRDS Instance?

After purchasing a FlexusRDS instance, you can log in to the instance through DAS and run commands to create accounts and databases.

14 What Major Versions and Minor Versions Does FlexusRDS for MySQL Support?

FlexusRDS for MySQL supports two major versions: MySQL 5.7 and 8.0. MySQL 8.0 is recommended for new application rollout. The community has stopped maintaining MySQL 5.7. Huawei Cloud has also released a maintenance termination plan for MySQL 5.7. For details, see **RDS for MySQL Versioning Policy**.

When you purchase an instance, minor versions are unavailable to you. FlexusRDS provides the optimal minor version.

15 Why Are Pay-per-Use Instances Not Provided by FlexusRDS?

FlexusRDS provides a lightweight database service for startups and individuals. It is easy to use, so you can focus better on more critical work. Only yearly/monthly instances are provided.

If you need pay-per-use instances, we recommend Relational Database Service (RDS). RDS instances can be billed on an on-demand hourly rate.

16 Can I Scale Up the Storage Space of My FlexusRDS for MySQL Instance?

Yes. FlexusRDS for MySQL supports storage autoscaling. Storage autoscaling is disabled by default. You can enable it after the instance is set up. For details, see **Storage Autoscaling**.

