

Distributed Message Service for RocketMQ

FAQs

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1 Instance FAQs

1.1 Which RocketMQ Versions Are RocketMQ Instances Compatible with?

RocketMQ instances are compatible with open-source RocketMQ 4.8.0. 4.8.0 and later clients are recommended.

1.2 How Is Instance Reliability Ensured?

RocketMQ instance reliability is ensured through:

- Data storage in one master and two slaves
- Cross-AZ deployment

1.3 Why Can't I Select Two AZs?

To improve the reliability of a RocketMQ instance, you are advised to select three AZs or more when creating the instance. An instance deployed across two AZs may become unavailable when one of the AZs is faulty.

1.4 Can I Change the SSL Setting of a RocketMQ Instance?

No. Once the instance has been created, you cannot enable or disable SSL.

2 Connection FAQs

2.1 Does RocketMQ Allow Self-built Brokers to Be Connected to NameServers on the Cloud?

No. If a self-built broker is connected to the NameServer on the cloud, management plane functions are affected. As a result, topics cannot be queried.

2.2 How Do I Handle Instance Connection Failure "RemotingTooMuchRequestException: sendDefaultImpl call timeout"

Symptom

Connecting to a RocketMQ instance failed. The error message is "RemotingTooMuchRequestException: sendDefaultImpl call timeout".

Possible Cause

The security group does not allow the service port.

Solution

1. On the instance details page of the RocketMQ console, view the port next to **Allow Access To** in the **Network** area.
2. Click the security group name to view details.
3. Add an inbound rule to allow the port obtained in [1](#).

3 Topic FAQs

3.1 How Many Topics Are Supported?

As shown in [Table 3-1](#), the number of topics supported varies depending on the instance flavor.

Table 3-1 Instance flavors (DMS for RocketMQ 4.8.0)

Flavor	Brokers	Storage Space (GB per Broker)	TPS per Broker	Max. Topics per Broker	Max. Consumer Groups per Broker
rocketmq.4u8g.cluster.small	1-2	300-60,000	15,000	2000	2000
rocketmq.4u8g.cluster	1-10	300-600,000	20,000	4000	4000
rocketmq.8u16g.cluster	1-10	300-900,000	25,000	8000	8000
rocketmq.12u24g.cluster	1-10	300-900,000	28,000	12,000	12,000
rocketmq.16u32g.cluster	1-10	300-900,000	30,000	16,000	16,000

3.2 Is Automatic Topic Creation Supported?

No. RocketMQ does not support automatic topic creation.

4 Consumer Group FAQs

4.1 How Many Consumer Groups Are Supported?

As shown in [Table 4-1](#), the number of consumer groups supported varies depending on the instance flavor.

Table 4-1 Instance flavors (DMS for RocketMQ 4.8.0)

Flavor	Brokers	Storage Space (GB per Broker)	TPS per Broker	Max. Topics per Broker	Max. Consumer Groups per Broker
rocketmq.4u8g.cluster.small	1-2	300-60,000	15,000	2000	2000
rocketmq.4u8g.cluster	1-10	300-600,000	20,000	4000	4000
rocketmq.8u16g.cluster	1-10	300-900,000	25,000	8000	8000
rocketmq.12u24g.cluster	1-10	300-900,000	28,000	12,000	12,000
rocketmq.16u32g.cluster	1-10	300-900,000	30,000	16,000	16,000

5 Message FAQs

5.1 What Is the Message Retention Period of RocketMQ? Can I Modify It?

The message retention period for RocketMQ instances is 48 hours by default and the upper limit is 720 hours. For details about how to change message retention period, see [Changing Message Aging Period](#).

5.2 What Is the Maximum Message Size Supported RocketMQ? Can I Modify It?

The maximum message size supported by RocketMQ is 4 MB. This limit cannot be modified.

5.3 What Is the Replication Mode of RocketMQ? Can I Modify It?

A RocketMQ message is stored on three replicas, one master and two slaves. This mode cannot be modified.

5.4 Where Is Message Creation Time Set?

The message creation time is set by the producer during message production.

6 Monitoring & Alarms

6.1 Why Can't I View Topic Monitoring Data?

A percent (%) or vertical bar (|) contained in a topic name will be converted to an underscore (_) by Cloud Eye. For example, if a topic name is **test%01**, it will be displayed as **test_01** on Cloud Eye.