

Distributed Message Service for RocketMQ

CLI Reference

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1 Using KooCLI

Huawei Cloud Koo Command Line Interface (previously "HCloud CLI") is designed to manage Huawei Cloud service APIs released on [API Explorer](#). You can use this tool to call the APIs of RocketMQ in API Explorer to manage and use your RocketMQ resources. For details about KooCLI, see [What Is KooCLI?](#)

Installing KooCLI

Before you begin, you will need to install KooCLI. KooCLI is compatible with Windows, Linux, and macOS. Install the tool of the corresponding version based on the OS used by your machine.

- [Installing KooCLI in Windows](#)
- [Installing KooCLI in Linux](#)
- [Installing KooCLI in macOS](#)
- [Configuring and Using KooCLI in Docker](#)

Initializing KooCLI

When KooCLI is used to call APIs, you need to obtain the caller's identity information for authentication. If you initialize KooCLI, your permanent AK/SK is stored in the configuration file, so you do not need to enter the credentials each time you call an API.

Skip this step if you intend to pass authentication information directly in commands instead of using the configuration file. For details, see [Using KooCLI in Non-configuration Mode](#).

The following uses Windows as an example to describe how to initialize KooCLI. The steps on Linux and macOS are similar. Before the initialization, obtain the AK/SK information. For details, see [Access Keys](#).

1. Open the CLI.
2. Run the following command to initialize the configuration:
`hcloud configure init`
3. Enter the parameter values as prompted.

```
Access Key ID [required]: // Mandatory. Enter the AK.
Secret Access Key [required]: // Mandatory. Enter the SK. The system will anonymize the input.
Secret Access Key (again): // Mandatory. Enter the SK again. The system will anonymize the input.
Region: // Optional. Enter a region.
```

The message "Initialization successful" is then displayed.

Generating and Executing a CLI Command

KooCLI supports two command generation methods:

- Use API Explorer to quickly generate and obtain the CLI command for calling an API. **This method is recommended as it is more convenient.**
- Use CLI commands to query API operations and related parameters, and then manually combine CLI commands to call APIs. For details, see [Step 4: View and Run Cloud Service Operation Commands](#).

The following uses the project tag query API of RocketMQ as an example to describe how to generate a CLI command in API Explorer and then run the CLI command to call the API.

1. On the [API Explorer](#) page of DMS for RocketMQ, select the API for which you want to generate a CLI command.
2. In the parameter configuration interface in the middle, enter the parameters required to call the API.
3. In the pane on the right, click the **CLI Example** tab and view the generated CLI command.

The following is an example of the CLI command for calling the project tag query API.

```
hcloud RocketMQ ShowRocketmqProjectTags --cli-region="ap-southeast-3"
```

4. Copy the generated CLI command and paste it into the CLI for execution.

The following is an example of the CLI command output for calling the project tag query API.

```
{
  "total": 0,
  "next_offset": -1,
  "previous_offset": -1,
  "tags": []
}
```

2 CLI Command Reference

Lifecycle Management

API Name	Command	Description	Operation
Querying the Instance List	hcloud RocketMQ ListInstances	This API is used to query the instances of an account by the specified conditions.	Go debug
Creating an Instance	hcloud RocketMQ CreateInstanceByEngine	This API is used to create an instance, and pay-per-use and yearly/monthly billing modes are supported.	Go debug
Querying an Instance	hcloud RocketMQ ShowInstance	This API is used to query the details about a specified instance.	Go debug
Deleting an Instance	hcloud RocketMQ DeleteInstance	This API is used to delete an instance to release all the resources occupied by it.	Go debug
Modifying Instance Information	hcloud RocketMQ UpdateInstance	This API is used to modify instance information.	Go debug
Batch Deleting Instances	hcloud RocketMQ BatchDeleteInstances	This API is used to delete instances in batches. Data in the instances will be deleted without any backup. Exercise caution when performing this operation.	Go debug

API Name	Command	Description	Operation
Querying the Broker List	hcloud RocketMQ ListBrokers	This API is used to query the list of brokers.	Go debug

Consumer Group Management

API Name	Command	Description	Operation
Querying the Consumer Group List	hcloud RocketMQ ListInstanceConsumerGroups	This API is used to query the consumer group list.	Go debug
Creating a Consumer Group or Batch Deleting Consumer Groups	hcloud RocketMQ CreateConsumerGroupOrBatchDeleteConsumerGroup	This API is used to create a consumer group or batch deleting consumer groups.	Go debug
Batch Modifying Consumer Groups	hcloud RocketMQ BatchUpdateConsumerGroup	This API is used to modify consumer groups in batches.	Go debug
Deleting a Consumer Group	hcloud RocketMQ DeleteConsumerGroup	This API is used to delete a specified consumer group.	Go debug
Querying a Consumer Group	hcloud RocketMQ ShowGroup	This API is used to query details about a specified consumer group.	Go debug
Modifying a Consumer Group	hcloud RocketMQ UpdateConsumerGroup	This API is used to modify parameters of a specified consumer group.	Go debug
Querying the Consumer Group List or Details	hcloud RocketMQ ShowConsumerListOrDetails	This API is used to query the consumer group list or details.	Go debug
Resetting the Consumer Offset	hcloud RocketMQ ResetConsumerOffset	This API is used to reset the consumer offset.	Go debug
Querying the Consumer List	hcloud RocketMQ ShowConsumerConnections	This API is used to query the consumer list of a consumer group.	Go debug

Topic Management

API Name	Command	Description	Operation
Creating a Topic or Deleting Topics in Batches	hcloud RocketMQ CreateTopicOrBatchDeleteTopic	This API is used to create a topic or delete topics in batches.	Go debug
Querying the Topic List	hcloud RocketMQ ListRocketInstanceTopics	This API is used to query the topic list of a RocketMQ instance.	Go debug
Deleting a Topic	hcloud RocketMQ DeleteTopic	This API is used to delete a specified topic.	Go debug
Querying a Topic	hcloud RocketMQ ShowOneTopic	This API is used to query a topic.	Go debug
Modifying a Topic	hcloud RocketMQ UpdateTopic	This API is used to modify a topic.	Go debug
Querying the Topic Consumer Group List	hcloud RocketMQ ListConsumerGroupOfTopic	This API is used to query the topic consumer group list.	Go debug
Querying the Number of Messages in a Topic	hcloud RocketMQ ShowTopicStatus	This API is used to query the number of messages in a topic.	Go debug

Message Management

API Name	Command	Description	Operation
Querying Messages	hcloud RocketMQ ListMessages	This API is used to query messages.	Go debug
Sending a Message	hcloud RocketMQ SendMessage	This API is used to send a message.	Go debug
Querying the Message Trace	hcloud RocketMQ ListMessageTrace	This API is used to query the message trace.	Go debug
Resending Dead Letter Messages	hcloud RocketMQ SendDLQMessage	Resending dead letter messages	Go debug
Verifying Consumption	hcloud RocketMQ ValidateConsumedMessage	This API is used to verify consumption.	Go debug

User Management

API Name	Command	Description	Operation
Creating a User	hcloud RocketMQ CreateUser	This API is used to create a user.	Go debug
Querying the User List	hcloud RocketMQ ListUser	This API is used to query the user list.	Go debug
Modifying User Parameters	hcloud RocketMQ UpdateUser	This API is used to modify user parameters.	Go debug
Querying User Details	hcloud RocketMQ ShowUser	This API is used to query user details.	Go debug
Deleting a User	hcloud RocketMQ DeleteUser	This API is used to delete a user.	Go debug
Querying Users Granted Permissions for a Topic	hcloud RocketMQ ListTopicAccessPolicy	This API is used to query the list of users that have been granted permissions for a topic.	Go debug
Querying Users Granted Permissions for a Consumer Group	hcloud RocketMQ ListConsumeGroupAccessPolicy	This API is used to query the list of users granted permissions for a consumer group.	Go debug

Metadata Migration

API Name	Command	Description	Operation
Creating a Metadata Migration Task	hcloud RocketMQ CreateRocketMqMigrationTask	This API is used to create a metadata migration task.	Go debug
Querying All Migration Tasks or a Specified Migration Task of an Instance	hcloud RocketMQ ListRocketMqMigrationTask	This API is used to query all migration tasks or a specified migration task of an instance.	Go debug
Deleting Metadata Migration Tasks in Batches	hcloud RocketMQ BatchDeleteRocketMqMigrationTask	This API is used to delete metadata migration tasks in batches.	Go debug

Parameter Management

API Name	Command	Description	Operation
Querying RocketMQ Configurations	hcloud RocketMQ ShowRocketMqConfigs	This API is used to query RocketMQ configurations. Configuration details will be returned.	Go debug
Modifying RocketMQ Configurations	hcloud RocketMQ UpdateRocketMqConfigs	This API is used to modify RocketMQ configurations.	Go debug

Tag Management

API Name	Command	Description	Operation
Adding or Deleting Instance Tags in Batches	hcloud RocketMQ BatchCreateOrDeleteRocketmqTag	This API is used to add or delete instance tags in batches.	Go debug
Querying Instance Tags	hcloud RocketMQ ShowRocketmqTags	This API is used to query instance tags.	Go debug
Querying Project Tags	hcloud RocketMQ ShowRocketmqProjectTags	This API is used to query tags of a project.	Go debug

Instance Diagnosis

API Name	Command	Description	Operation
Creating an Instance Diagnosis Task	hcloud RocketMQ CreateDiagnosisTask	This API is used to create an instance diagnosis task.	Go debug
Querying an Instance Diagnosis Report List	hcloud RocketMQ ListDiagnosisReports	This API is used to query an instance diagnosis report list.	Go debug
Deleting Instance Diagnosis Reports in Batches	hcloud RocketMQ BatchDeleteDiagnosisRecords	This API is used to delete diagnosis reports of an instance in batches.	Go debug
Querying an Instance Diagnosis Report	hcloud RocketMQ ShowDiagnosisReport	This API is used to query an instance diagnosis report.	Go debug

API Name	Command	Description	Operation
Querying Stack Information	hcloud RocketMQ ShowDiagnosisStack	This API is used to query stack information.	Go debug

Specification Change Management

API Name	Command	Description	Operation
Querying Product Information for Instance Specification Modification	hcloud RocketMQ ShowEngineInstanceExtendProductInfo	This API is used to query the product information for instance specification modification.	Go debug
Modifying Instance Specifications	hcloud RocketMQ ResizeInstance	This API is used to change instance specifications.	Go debug
Querying the Automatic Disk Storage Expansion Configuration	hcloud RocketMQ ShowVolumeExpansionConfig	This API is used to query the automatic disk storage expansion configuration covering whether this feature is enabled, the threshold, increase, and upper limit.	Go debug
Modifying the Automatic Disk Storage Expansion Configuration	hcloud RocketMQ UpdateVolumeExpansionConfig	This API is used to modify the automatic disk storage expansion configuration covering whether this feature is enabled, the threshold, increase, and upper limit.	Go debug
Querying Pre-check Information Before Expanding a RocketMQ Instance	hcloud RocketMQ ShowRocketMQScalePreCheckInfo	This API is used to obtain pre-check information before expanding a RocketMQ instance.	Go debug

Instance Management

API Name	Command	Description	Operation
Querying an Instance Broker	hcloud RocketMQ ShowInstanceNodes	This API is used to query instance broker information.	Go debug
Modifying SSL of an Instance	hcloud RocketMQ ModifyInstanceSslConfig	This API is used to modify the SSL configuration of an instance.	Go debug
Restoring Instances from the Recycle Bin	hcloud RocketMQ RestoreRecycleInstance	This API is used to restore instances from the recycle bin.	Go debug
Querying the Recycle Bin Instance List	hcloud RocketMQ ShowRecycleInstances	This API is used to query the recycle bin instance list.	Go debug
Updating the Recycle Bin Policy	hcloud RocketMQ ModifyRecyclePolicy	This API is used to update the recycle bin policy.	Go debug

Background Task Management

API Name	Command	Description	Operation
Querying a Background Task List of an Instance	hcloud RocketMQ ListBackgroundTasks	This API is used to query a background task list of an instance.	Go debug
Querying a Specific Record from Background Tasks	hcloud RocketMQ ShowBackgroundTask	This API is used to query a specific record from background tasks.	Go debug
Deleting a Specific Record from Background Tasks	hcloud RocketMQ DeleteBackgroundTask	This API is used to delete a specific record from background tasks.	Go debug
Deleting Specified Records in Scheduled Task Management	hcloud RocketMQ DeleteScheduledTask	This API is used to delete specified records in scheduled task management.	Go debug
Modifying Specified Records in Scheduled Task Management	hcloud RocketMQ UpdateScheduledTask	This API is used to modify specified records in scheduled task management.	Go debug

API Name	Command	Description	Operation
Querying the Scheduled Task List of an Instance	hcloud RocketMQ ListScheduledTasks	This API is used to query the scheduled task list of an instance.	Go debug
Querying Progress of an Instance Change Record	hcloud RocketMQ ShowBackgroundTaskProgress	Querying Progress of a Specified Instance Change Record in Background Task Management	Go debug

Other APIs

API Name	Command	Description	Operation
Querying AZ Information	hcloud RocketMQ ListAvailableZones	This API is used to query the AZ ID for creating an instance.	Go debug
Querying Flavor List	hcloud RocketMQ ListEngineProducts	This API is used to query the flavor list of an engine.	Go debug
Querying Instance Monitoring Dimensions	hcloud RocketMQ ShowCesHierarchy	This API is used to query instance monitoring dimensions.	Go debug
Obtaining the Feature Switch List	hcloud RocketMQ ListConfigFeatures	This API is used to obtain the feature switch list.	Go debug
Querying vCPUs of a RocketMQ Flavor	hcloud RocketMQ ShowRocketMqProductCores	This API is used to query the number of cores of a RocketMQ flavor.	Go debug