

Distributed Cache Service

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 Kafka in API Explorer to manage and use your Kafka 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 DCS API for querying instance configuration parameters 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 DCS page of [API Explorer](#), 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 right pane, click the **CLI Example** tab and view the generated CLI command.

The following is an example of the CLI command for calling the API for querying instance configuration parameters.

```
hcloud DCS ListConfigurations --cli-region="af-south-1" --instance_id="ac53a48e-88c2-4d23-95f3-bdb9ca4fa275"
```

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 API for querying instance configuration parameters.

```
{
  "instance_id": "ac53a48e-88c2-4d23-95f3-bdb9ca4fa275",
  "config_status": "SUCCESS",
  "config_time": "2026-07-06T07:04:31.464Z",
  "redis_config": {
    "param_id": "1",
    "param_name": "timeout",
    "description": "Close the connection after a client is idle for N seconds (0 to disable)",
    "param_value": "101",
    "value_range": "0-7200",
    "value_type": "Integer",
    "default_value": "0"
  },
  "status": "RUNNING"
}
```

2 CLI Command Reference

Lifecycle Management

API Name	Command	Description	Operation
Creating a DCS Instance	hcloud DCS CreateInstance	This API is used to create a DCS instance which is billed in pay-per-use mode.	Go debug
Listing All Instances	hcloud DCS ListInstances	This API is used to query DCS instances of a tenant, and allows you to specify query criteria.	Go debug
Batch Deleting Instances	hcloud DCS BatchDeleteInstances	This API is used to delete multiple DCS instances at a time.	Go debug
Querying Details About a Specified Instance	hcloud DCS ShowInstance	This API is used to query the details about a specified DCS instance.	Go debug
Deleting an Instance	hcloud DCS DeleteSingleInstance	This API is used to delete a specified DCS instance to free up all resources occupied by it.	Go debug

API Name	Command	Description	Operation
Modifying Details of an Instance	hcloud DCS UpdateInstance	This API is used to modify the information about a DCS instance, including the instance name, description, port, backup policy, start and end time of the maintenance window, and security group.	Go debug
Modifying Instance Specifications	hcloud DCS ResizeInstance	This API is used to modify specifications of a DCS instance in the **Running** state.	Go debug

Instance Management

API Name	Command	Description	Operation
Performing a Master/Standby Switchover	hcloud DCS ChangeMasterStandby	This API is used to perform a master/standby switchover. Only master/standby instances support this operation.	Go debug
Resetting the password	hcloud DCS ResetPassword	Resets the password of a DCS instance.	Go debug
Changing the Password	hcloud DCS UpdatePassword	This API is used to change the password of a DCS instance.	Go debug
Querying the Instance Status	hcloud DCS ListNumberOfInstancesInDifferent-Status	This API is used to query the number of instances in different states.	Go debug
Restarting DCS Instances or Clearing DCS Instance Data	hcloud DCS RestartOrFlushInstances	This API is used to restart running DCS instances.	Go debug
Querying Statistics of All Running Instances	hcloud DCS ListStatisticsOfRunningInstances	This API is used to query the statistics of all DCS instances that are in the **Running** state.	Go debug

Shards and Replicas

API Name	Command	Description	Operation
Configuring Replica Priority	hcloud DCS UpdateSlavePriority	This API is used to configure the replica priority. When the master node is faulty, a replica with a smaller weight has a higher priority to be promoted to master.	Go debug
Removing the IP Address	hcloud DCS DeleteIpFromDomainName	This API is used to remove the IP address of a read replica from the domain name. After the removal, the read-only domain name will not be resolved to the IP address.	Go debug
Querying Details of Shards and Replicas	hcloud DCS ListGroupReplicationInfo	This API is used to query shards and replicas of cluster instances and read/write splitting instances. Only master/standby DCS Redis 4.0 and 5.0 instances support read/write splitting.	Go debug

Parameter Management

API Name	Command	Description	Operation
Querying DCS Instance Configuration Parameters	hcloud DCS ListConfigurations	This API is used to query the configuration parameters of a DCS instance.	Go debug
Modifying DCS Instance Configuration Parameters	hcloud DCS UpdateConfigurations	You can modify the configuration parameters of your DCS instance to optimize DCS performance based on your requirements.	Go debug

API Name	Command	Description	Operation
List Config Histories	hcloud DCS ListConfigHistories	Query the parameter modification record list of an instance, and support query by keyword	Go debug

Backup and Restoration

API Name	Command	Description	Operation
Deleting Backup Files	hcloud DCS DeleteBackupFile	This API is used to delete the backup files of a DCS instance.	Go debug
Restoring a DCS Instance	hcloud DCS RestoreInstance	This API is used to restore the backup data to a specific DCS instance.	Go debug
Listing DCS Instance Restoration Records	hcloud DCS ListRestoreRecords	This API is used to query the restoration records of a specific DCS instance.	Go debug
Obtaining the Backup File URL	hcloud DCS ListBackupFileLinks	This API is used to obtain the download links of backup files.	Go debug
Backing Up a DCS Instance	hcloud DCS CopyInstance	This API is used to back up a specific DCS instance.	Go debug
Listing DCS Instance Backup Records	hcloud DCS ListBackupRecords	This API is used to query the backup records of a specific DCS instance.	Go debug

Data Migration

API Name	Command	Description	Operation
Creating a Data Migration Task	hcloud DCS CreateMigrationTask	This API is used to create a data migration task.	Go debug
Listing Data Migration Tasks	hcloud DCS ListMigrationTask	This API is used to query the migration task list.	Go debug

API Name	Command	Description	Operation
Deleting Data Migration Tasks	hcloud DCS DeleteMigration-Task	This API is used to delete data migration tasks.	Go debug
Querying Details of a Data Migration Task	hcloud DCS ShowMigrationTask	This API is used to query migration task details.	Go debug
Stopping a Data Migration Task	hcloud DCS StopMigrationTask	This API is used to stop a data migration task.	Go debug
Querying the Progress of an Online Migration Task	hcloud DCS ShowMigrationTaskStats	This API is used to query progress details about an online migration task.	Go debug

Tag Management

API Name	Command	Description	Operation
Listing All Tags of a Tenant	hcloud DCS ListTagsOfTenant	This API is used to query the tags of all resources owned by a tenant in a specific project.	Go debug
Batch Adding or Deleting Tags	hcloud DCS BatchCreateOrDeleteTags	This API is used to add or delete tags in batches for a DCS instance.	Go debug
Querying Tags of a DCS Instance	hcloud DCS ShowTags	This API is used to query the tags of an instance by its instance ID.	Go debug

Cache Analysis

API Name	Command	Description	Operation
Creating a Big Key Analysis Task	hcloud DCS CreateBigkeyScanTask	This API is used to create a big key analysis task for a DCS Redis instance.	Go debug
Listing Big Key Analysis Tasks	hcloud DCS ListBigkeyScanTasks	This API is used to query the list of big key analysis tasks.	Go debug

API Name	Command	Description	Operation
Querying Big Key Analysis Details	hcloud DCS ShowBigkeyScanTaskDetails	This API is used to query the big key analysis details.	Go debug
Deleting a Big Key Analysis Task	hcloud DCS DeleteBigkeyScanTask	This API is used to delete a big key analysis task.	Go debug
Configuring Automatic Big Key Analysis	hcloud DCS UpdateBigkeyAutoScanConfig	This API is used to configure automatic big key analysis.	Go debug
Querying the Configurations of Automatic Big Key Analysis	hcloud DCS ShowBigkeyAutoScanConfig	This API is used to query configurations of automatic big key analysis.	Go debug
Creating a Hot Key Analysis Task	hcloud DCS CreateHotkeyScanTask	This API is used to create a hot key analysis task. Redis 3.0 does not support hot key analysis.	Go debug
Listing Hot Key Analysis Tasks	hcloud DCS ListHotkeyScanTasks	This API is used to query the list of hot key analysis tasks.	Go debug
Querying Hot Key Analysis Details	hcloud DCS ShowHotkeyTaskDetails	This API is used to query the hot key analysis details.	Go debug
Deleting a Hot Key Analysis Task	hcloud DCS DeleteHotkeyScanTask	This API is used to delete a hot key analysis task.	Go debug
Configuring Automatic Hot Key Analysis	hcloud DCS UpdateHotkeyAutoScanConfig	This API is used to configure automatic hot key analysis.	Go debug
Querying the Configurations of Automatic Hot Key Analysis	hcloud DCS ShowHotkeyAutoScanConfig	This API is used to query configurations of automatic hot key analysis.	Go debug
Creating an Expired Key Scan Task	hcloud DCS CreateAutoExpireScanTask	This API is used to create an expired key scan task. Redis 3.0 does not support expired key scan.	Go debug
Listing Expired Key Scans	hcloud DCS ListAutoExpireScanTasks	This API is used to query the list of expired key scan tasks.	Go debug

Log Management

API Name	Command	Description	Operation
Querying Slow Logs	hcloud DCS ListSlowlog	This API is used to query slow logs.	Go debug
Querying Redis Run Logs	hcloud DCS ListRedislog	This API is used to query the Redis run logs.	Go debug
Collecting Redis Run Logs	hcloud DCS CreateRedislog	This API is used to collect Redis run logs.	Go debug
Obtaining the Log Download Link	hcloud DCS CreateRedislogDownloadLink	This API is used to obtain the link for downloading logs.	Go debug

Account Management

API Name	Command	Description	Operation
Creating an ACL Account	hcloud DCS CreateAclAccount	This API is used to create an account with read, write, or read-only permissions for a DCS Redis 4.0 or 5.0 instance (except the Redis Cluster type).	Go debug
Querying the ACL Account List	hcloud DCS ListAclAccounts	This API is used to query the ACL account list.	Go debug
Changing the Password of an ACL Account	hcloud DCS UpdateAclAccountPassWord	This API is used to change the password of an ACL account.	Go debug
Deleting an ACL Account	hcloud DCS DeleteAclAccount	This API is used to delete a normal ACL account.	Go debug

IP Whitelist Management

API Name	Command	Description	Operation
Configuring IP Whitelist Groups	hcloud DCS UpdateIpWhitelist	This API is used to configure IP address whitelist groups for a specific instance, including creating, disabling, editing, and deleting a whitelist.	Go debug
Querying the IP Whitelist of a DCS Instance	hcloud DCS ShowIpWhitelist	This API is used to query the IP address whitelist of a specific instance.	Go debug

Background Task Management

API Name	Command	Description	Operation
Listing Background Tasks	hcloud DCS ListBackgroundTask	This API is used to query the background task list.	Go debug
Deleting a Background Task	hcloud DCS DeleteBackgroundTask	This API is used to delete a background task.	Go debug

Other APIs

API Name	Command	Description	Operation
Querying Product Flavors	hcloud DCS ListFlavors	This API is used to query the product flavor (parameter **spec_code**) required for configuring a new DCS instance. If no search criterion is specified, all product specifications will be queried by default.	Go debug
Listing Maintenance Time Windows	hcloud DCS ListMaintenanceWindows	The API is used to query the start time and end time of maintenance time windows.	Go debug

API Name	Command	Description	Operation
Querying Tenant Quotas	hcloud DCS ShowQuotaOfTenant	This API is used to query the default instance quota and total memory quota of a tenant and the maximum and minimum quotas a tenant can apply for. Different tenants have different quotas in different regions.	Go debug
Listing Monitored Objects on Secondary Dimensions Under a Primary Dimension	hcloud DCS ListMonitoredObjectsOfInstance	This API is used to query the monitored objects on secondary dimensions under primary dimension **dcs_instance_id** .	Go debug
Listing Monitored Objects on Primary Dimensions	hcloud DCS ListMonitoredObjects	This API is used to query the monitored objects on primary dimensions **dcs_instance_id** and **dcs_memcached_instance_id** .	Go debug
Querying AZs	hcloud DCS ListAvailableZones	This API is used to query the AZ information of the current region.	Go debug

Instance Diagnosis

API Name	Command	Description	Operation
Creating an Instance Diagnosis Task	hcloud DCS CreateDiagnosisTask	This API is used to diagnose a specific DCS instance.	Go debug
Listing Instance Diagnosis Tasks	hcloud DCS ListDiagnosisTasks	This API is used to query the list of diagnosis tasks of a specific DCS instance.	Go debug
Querying a Specified Diagnosis Report	hcloud DCS ShowDiagnosisTaskDetails	This API is used to query details about a diagnosis report based on the report ID.	Go debug