Document Database Service

CLI Reference

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1 Using KooCLI

Huawei Cloud Koo Command Line Interface (KooCLI), previously named "HCloud CLI", is designed to manage Huawei Cloud service APIs released on **API Explorer**. You can use this tool to call the APIs of DDS in API Explorer to manage and use your DDS 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.
   ```

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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 DDS API for querying the supported API versions 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 DDS, 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 API for querying the supported API versions.

   ```
   hcloud DDS ListApiVersion --cli-region="af-south-1"
   ```

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 the supported API versions.

   ```
   {
     "versions": [
         "4.0",
         "4.2",
         "4.4",
         "5.0"
     ]
   }
   ```

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2 CLI Command Reference

API Version Queries

API	Command	Description	Operation
Querying Supported API Versions	hcloud DDS ListApiVersion	This API is used to query the supported API versions.	Debug
Querying a Specified API Version	hcloud DDS ShowApiVersion	This API is used to query version information of a specified API.	Debug

DB Engine Versions and Specifications

API	Command	Description	Operation
Querying Database Version Information	hcloud DDS ListDatastoreVersions	This API is used to query database version information of a specified type of instances.	Debug
Querying All Instance Specifications	hcloud DDS ListFlavors	This API is used to query all instance specifications under a specified condition.	Debug
Querying Database Specifications	hcloud DDS ListFlavorInfos	This API is used to query instance specifications under a specified condition.	Debug
Querying Database Storage Types	hcloud DDS ListStorageType	This API is used to query the database storage type in the current region.	Debug

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Instance Management

API	Command	Description	Operation
Creating an Instance	hcloud DDS CreateInstance	This API is used to create cluster, replica set, and single node instances.	**Debug**
Querying Instances and Details	hcloud DDS ListInstances	This API is used to query instances and details based on specified conditions.	**Debug**
Restarting an Instance	hcloud DDS RestartInstance	This API is used to restart an instance.	**Debug**
Deleting an Instance	hcloud DDS DeleteInstance	This API is used to delete an instance.	**Debug**
Changing an Instance Description	hcloud DDS UpdateInstanceRemark	This API is used to modify the description of an instance.	**Debug**
Scaling Up Storage Space	hcloud DDS ResizeInstanceVolume	This API is used to scale up the storage space of an instance.	**Debug**
Adding Nodes for a Cluster Instance	hcloud DDS AddShardingNode	This API is used to add nodes for a specified cluster instance.	**Debug**
Changing Instance Specifications	hcloud DDS ResizeInstance	This API is used to change specifications of an instance.	**Debug**
Performing a Primary/Secondary Switchover	hcloud DDS SwitchoverReplicaSet	This API is used to perform a primary/secondary switchover for an instance.	**Debug**
Enabling or Disabling SSL	hcloud DDS SwitchSsl	This API is used to enable or disable SSL for an instance.	**Debug**
Changing an Instance Name	hcloud DDS UpdateInstanceName	This API is used to change the name of an instance.	**Debug**
Changing a Database Port	hcloud DDS UpdateInstancePort	This API is used to change the database port of an instance.	**Debug**

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API	Command	Description	Operation
Changing the Security Group of an Instance	hcloud DDS UpdateSecurityGroup	This API is used to change the security group associated with an instance.	Debug
Binding an EIP	hcloud DDS AttachEip	This API is used to bind an EIP to a node in an instance.	Debug
Unbinding an EIP	hcloud DDS CancelEip	This API is used to unbind an EIP from a node in an instance.	Debug
Binding a Public Gateway	hcloud DDS BindPublicGateway	This API is used to bind a public gateway to a node in an instance.	Debug
Unbinding a Public Gateway	hcloud DDS UnbindPublicGateway	This API is used to unbind a public gateway from a node in an instance.	Debug
Changing the Private IP Address of an Instance	hcloud DDS AttachInternalIp	This API is used to change the private IP address of an instance.	Debug
Creating a Shard or Config IP Address for a Cluster Instance	hcloud DDS CreateIp	This API is used to create a shard or config IP address for a cluster instance.	Debug
Configuring Cross-CIDR Access for a Replica Set Instance	hcloud DDS UpdateClientNetwork	This API is used to configure cross-CIDR access for a replica set instance.	Debug
Querying Cross-CIDR Access Configuration of a Replica Set Instance	hcloud DDS ShowClientNetwork	This API is used to query cross-CIDR access configuration of a replica set instance.	Debug
Querying AZs to Which an Instance Can Be Migrated	hcloud DDS ListAz2Migrate	This API is used to query the AZs to which an instance can be migrated.	Debug
Migrating an Instance to Another AZ	hcloud DDS MigrateAz	This API is used to migrate an instance to another AZ.	Debug

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API	Command	Description	Operation
Adding Read Replicas to an Instance	hcloud DDS AddReadonlyNode	This API is used to add read replicas to a DDS replica set instance.	Debug
Deleting Read Replicas	hcloud DDS DeleteReadonlyNode	This API is used to delete read replicas from a replica set instance.	Debug
Upgrading a Database Patch Version	hcloud DDS UpgradeDatabaseVersion	This API is used to upgrade a database patch version.	Debug
Enabling or Disabling Monitoring by Seconds	hcloud DDS SwitchSecondLevelMonitoring	This API is used to enable or disable Monitoring by Seconds for a specified instance.	Debug
Querying Monitoring by Seconds Configurations	hcloud DDS ShowSecondLevelMonitoringStatus	This API is used to query Monitoring by Seconds configurations.	Debug
Configuring the Maintenance Window	hcloud DDS ChangeOpsWindow	This API is used to modify the time range within which tasks impacting DB instance operations can be initiated, for example, the time window for upgrading the operating system and database software.	Debug
Setting the Recycle Bin Policy for an Instance	hcloud DDS SetRecyclePolicy	This API is used to set the recycle bin policy for an instance.	Debug
Querying the Recycling Policy of an Instance	hcloud DDS ShowRecyclePolicy	This API is used to query the recycling policy of an instance.	Debug
Querying Instances in the Recycle Bin	hcloud DDS ListRecycleInstances	This API is used to query instances in the recycle bin.	Debug
Checking for Weak Passwords	hcloud DDS CheckWeakPassword	This API is used to check whether a password is a weak password.	Debug

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API	Command	Description	Operation
Querying the Estimated Database Patch Upgrade Duration	hcloud DDS ShowUpgradeDuration	This API is used to query the estimated database patch upgrade duration.	Debug
Querying Instance Storage Information	hcloud DDS ShowDiskUsage	This API is used to query storage information of an instance.	Debug
Obtaining the SSL Certificate Download Address	hcloud DDS ListSslCertDownloadAddress	This API is used to obtain the SSL certificate download address.	Debug
Adding Nodes to a Replica Set Instance	hcloud DDS ExpandReplicasetNode	This API is used to add nodes to a specified replica set instance.	Debug
Querying the Name of the Replica Set in the Connection Address	hcloud DDS ShowReplSetName	This API is used to query the name of the replica set in the connection address.	Debug
Changing the Name of the Replica Set in the Connection Address	hcloud DDS UpdateReplSetName	This API is used to change the name of the replica set in the connection address.	Debug
Configuring a Storage Autoscaling Policy	hcloud DDS SetAutoEnlargePolicies	This API is used to configure a storage autoscaling policy.	Debug
Deleting Instance Nodes	hcloud DDS ShrinkInstanceNodes	This API is used to delete nodes from an instance.	Debug
Querying LTS Log Configurations	hcloud DDS ListLtsConfigs	This API is used to query LTS log configurations.	Debug

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API	Command	Description	Operation
Associating an Instance with an LTS Log Stream	hcloud DDS UpdateLtsConfig	After you have associated an instance with a Log Tank Service (LTS) log stream, logs of the instance are automatically uploaded to the associated LTS log stream.	Debug
Disassociating an Instance from an LTS Log Stream	hcloud DDS DeleteLtsConfig	After you have disassociated an instance from an LTS log stream, logs of the instance are not automatically uploaded to the associated LTS log stream.	Debug
Querying the Autoscaling Policy of Storage Space	hcloud DDS ShowAutoEnlargePolicy	This API is used to query the autoscaling policy of storage space.	Debug
Upgrading the Patch Versions of Instances in Batches	hcloud DDS BatchUpgradeDatabaseVersion	This API is used to upgrade the patch versions of instances in batches.	Debug
Deleting mongos Nodes	hcloud DDS DeleteMongosNode	This API is used to delete mongos nodes from a cluster instance.	Debug
Deleting Shard or Config IP Addresses of a Cluster Instance	hcloud DDS DeleteIp	This API is used to delete shard or config IP addresses of a cluster instance.	Debug
Deleting Shards	hcloud DDS BatchDeleteShards	This API is used to delete shards.	Debug

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Connection Management

API	Command	Description	Operation
Querying Sessions of an Instance Node	hcloud DDS ListSessions	This API is used to query sessions of an instance node.	Debug
Killing Sessions of an Instance Node	hcloud DDS DeleteSession	This API is used to kill sessions of an instance node.	Debug
Querying the Number of Connections to an Instance	hcloud DDS ShowConnectionStatistics	This API is used to query the number of connections from client IP addresses to a DDS DB instance.	Debug

Backup and Restoration

API	Command	Description	Operation
Restoring Data to a New Instance	hcloud DDS RestoreNewInstance	This API is used to restore data to a new instance from backups.	Debug
Creating a Manual Backup	hcloud DDS CreateManualBackup	This API is used to create a manual backup for a DB instance.	Debug
Querying Backups	hcloud DDS ListBackups	This API is used to query backups based on specified conditions.	Debug
Deleting a Manual Backup	hcloud DDS DeleteManualBackup	This API is used to delete a manual backup from a DB instance.	Debug
Stopping a Backup	hcloud DDS StopBackup	This API is used to stop a backup in case of an emergency.	Debug
Configuring an Automated Backup Policy	hcloud DDS SetBackupPolicy	This API is used to configure an automated backup policy.	Debug

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API	Command	Description	Operation
Querying an Automated Backup Policy	hcloud DDS ShowBackupPolicy	This API is used to query an automated backup policy.	Debug
Obtaining the Link for Downloading a Backup	hcloud DDS ShowBackupDownloadLink	This API is used to obtain the link for downloading a backup.	Debug
Querying the Restoration Time Range	hcloud DDS ListRestoreTimes	This API is used to query the restoration time range of an instance.	Debug
Obtaining the List of Databases That Can Be Restored	hcloud DDS ListRestoreDatabases	This API is used to obtain the list of databases that can be restored.	Debug
Obtaining the List of Database Collections That Can Be Restored	hcloud DDS ListRestoreCollections	This API is used to obtain the list of database collections that can be restored.	Debug
Restoring Data to the Original Instance	hcloud DDS RestoreInstance	This API is used to restore data to the original instance.	Debug
Restoring Databases and Tables to a Point in Time	hcloud DDS RestoreInstanceFromCollection	This API is used to restore databases and tables to a specified point in time.	Debug
Creating a Backup Download Policy	hcloud DDS SaveBackupDownloadPolicy	This API is used to create a backup download policy.	Debug
Updating a Backup Download Policy	hcloud DDS UpdateBackupDownloadPolicy	This API is used to update a backup download policy.	Debug
Querying a Backup Download Policy	hcloud DDS ListBackupDownloadPolicy	This API is used to query a backup download policy.	Debug
Deleting Manual Backups in Batches	hcloud DDS BatchDeleteBackup	This API is used to delete manual backups of a DB instance in batches.	Debug

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Log Information Queries

API	Command	Description	Operation
Configuring SQL Audit	hcloud DDS SetAuditlogPolicy	This API is used to set a policy for SQL audit logs.	Debug
Querying a SQL Audit Policy	hcloud DDS ShowAuditlogPolicy	This API is used to query the policy for audit logs.	Debug
Obtaining Audit Logs	hcloud DDS ListAuditlogs	This API is used to obtain audit logs.	Debug
Deleting Audit Logs	hcloud DDS DeleteAuditLog	This API is used to delete audit logs.	Debug
Obtaining Links for Downloading Audit Logs	hcloud DDS ListAuditlogLinks	This API is used to obtain links for downloading audit logs.	Debug
Querying Slow Query Logs of a DB Instance	hcloud DDS ListSlowLogs	This API is used to query slow query logs of a DB instance.	Debug
Querying Slow Query Logs of a DB Instance	hcloud DDS ListLtsSlowLogs	This API is used to query slow query logs by keyword or database table name.	Debug
Obtaining Links for Downloading Slow Query Logs	hcloud DDS DownloadSlowlog	This API is used to obtain links for downloading slow query logs.	Debug
Querying Error Logs of a DB Instance	hcloud DDS ListErrorLogs	This API is used to query error logs of a DB instance.	Debug
Obtaining Links for Downloading Error Logs	hcloud DDS DownloadErrorlog	This API is used to obtain links for downloading error logs.	Debug
Configuring the Show Original Log Switch	hcloud DDS SwitchSlowlogDesensitization	This API is used to configure the **Show Original Log** switch for an instance.	Debug
Querying the Switch of Show Original Log	hcloud DDS ShowSlowlogDesensitizationSwitch	This API is used to check whether **Show Original Log** is enabled.	Debug

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API	Command	Description	Operation
Querying Error Logs of a DB Instance	hcloud DDS ListLtsErrorLogs	This API is used to query error logs of a DB instance.	Debug

Tag Management

API	Command	Description	Operation
Querying Instances by Tag	hcloud DDS ListInstancesBy-Tags	This API is used to query the specified instances by tag.	Debug
Adding or Deleting Resource Tags in Batches	hcloud DDS BatchTagAction	This API is used to add tags to or delete tags from a specified instance in batches.	Debug
Querying Tags of an Instance	hcloud DDS ListInstanceTags	This API is used to query tags of a specified instance.	Debug
Querying Tags of a Specified Project	hcloud DDS ListProjectTags	This API is used to query all tags of instances in a specified project.	Debug

Database and User Management

API	Command	Description	Operation
Creating a Database User	hcloud DDS CreateDatabaseUser	This API is used to create a database user.	Debug
Deleting a Database User	hcloud DDS DeleteDatabaseUser	This API is used to delete a database user.	Debug
Creating a Database Role	hcloud DDS CreateDatabaseR-ole	This API is used to create a database role.	Debug
Deleting a Database Role	hcloud DDS DeleteDatabaseR-ole	This API is used to delete a database role.	Debug
Querying Database Users	hcloud DDS ListDatabaseUsers	This API is used to query database users.	Debug

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API	Command	Description	Operation
Querying Database Roles	hcloud DDS ListDatabaseRoles	This API is used to query database roles.	Debug
Changing the Password of a Database User	hcloud DDS ResetPassword	This API is used to change the password of a database user.	Debug
Checking a Database Password	hcloud DDS CheckPassword	This API is used to check a database password.	Debug
Querying Cluster Balancing Settings	hcloud DDS ShowShardingBalancer	This API is used to query the data balancing settings of a DDS cluster.	Debug
Enabling or Disabling Cluster Balancing	hcloud DDS SetBalancerSwitch	This API is used to enable or disable cluster balancing.	Debug
Setting the Activity Time Window for Cluster Balancing	hcloud DDS SetBalancerWindow	This API is used to set the activity time window for cluster balancing.	Debug
Querying Databases	hcloud DDS ListDatabases	This API is used to query databases.	Debug

Parameter Configuration

API	Command	Description	Operation
Obtaining Parameter Templates	hcloud DDS ListConfigurations	This API is used to obtain parameter templates, including all DDS default parameter templates and user-created parameter templates.	Debug
Creating a Parameter Template	hcloud DDS CreateConfiguration	This API is used to create a parameter template.	Debug
Deleting a Parameter Template	hcloud DDS DeleteConfiguration	This API is used to delete a specified parameter template.	Debug

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API	Command	Description	Operation
Obtaining Details About a Parameter Template	hcloud DDS ShowConfigurationParameter	This API is used to obtain parameter details of a specified parameter template.	Debug
Modifying a Parameter Template	hcloud DDS UpdateConfigurationParameter	This API is used to modify a specified parameter template, including parameter names, descriptions, and values.	Debug
Applying a Parameter Template	hcloud DDS SwitchConfiguration	This API is used to apply a parameter template to a specified instance.	Debug
Obtaining Parameters of a Specified Instance	hcloud DDS ShowEntityConfiguration	This API is used to obtain information about parameters of a specified instance.	Debug
Modifying Parameters of a Specified Instance	hcloud DDS UpdateEntityConfiguration	This API is used to modify the parameters of a specified instance, including the parameter template of a DB instance, group, or node.	Debug
Checking Whether a Parameter Template Name Exists	hcloud DDS ValidateConfigurationName	This API is used to check whether a parameter template name exists.	Debug
Querying the Parameter Change History of an Instance	hcloud DDS ShowInstanceConfigurationModifyHistory	This API is used to query the change history of parameters of an instance.	Debug
Querying Available Instances	hcloud DDS ListAppliedInstances	This API is used to query instances that a specified parameter template can be applied to.	Debug
Querying Application Records of a Parameter Template	hcloud DDS ShowConfigurationAppliedHistory	This API is used to query application records of a parameter template.	Debug

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API	Command	Description	Operation
Querying the Change History of a Parameter Template	hcloud DDS ShowConfigurationModifyHistory	This API is used to query the change history of a parameter template.	Debug
Comparing Parameter Templates	hcloud DDS CompareConfiguration	This API is used to compare two parameter templates.	Debug
Replicating a Parameter Template	hcloud DDS CopyConfiguration	This API is used to replicate a parameter template.	Debug
Resetting a Parameter Template	hcloud DDS ResetConfiguration	This API is used to reset a parameter template.	Debug

Quota Management

API	Command	Description	Operation
Querying Quotas	hcloud DDS ShowQuotas	This API is used to query the DDS resource quotas of a single tenant, including the single node instance quota, replica set instance quota, and cluster instance quota.	Debug

Task Management

API	Command	Description	Operation
Querying Tasks and Details	hcloud DDS ListTasks	This API is used to query tasks and details in the task center based on specified conditions.	Debug
Obtaining Information About a Task with a Specified ID	hcloud DDS ShowJobDetail	This API is used to obtain information about a task with a specified ID in the task center.	Debug

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API	Command	Description	Operation
Querying Scheduled Tasks	hcloud DDS ListScheduledTasks	This API is used to query scheduled tasks based on specified conditions.	Debug
Canceling a Scheduled Task	hcloud DDS CancelScheduled-Task	This API is used to cancel a scheduled task based on the task ID.	Debug

Database O&M

API	Command	Description	Operation
Obtaining the killOp Rule List	hcloud DDS ShowKillOpRuleR-uleList	This API is used to obtain the killOp rule list.	Debug
Enabling or Disabling a killOp Rule	hcloud DDS UpdateKillOpRule	This API is used to enable or disable a killOp rule.	Debug
Creating a killOp Rule	hcloud DDS CreateKillOpRule	This API is used to create a killOp rule.	Debug
Deleting a killOp Rule	hcloud DDS DeleteKillOpRuleList	This API is used to delete a killOp rule.	Debug
Forcibly Promoting a Secondary Node to Primary	hcloud DDS SwitchInstancePri-mary	This API is used to forcibly promote a secondary node of a replica set, shard node, or config node to primary.	Debug

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