

Cloud Container Engine

CLI Reference

Issue	01
Date	2026-09-08



Copyright © Huawei Cloud Computing Technologies Co., Ltd. 2026. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Cloud Computing Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are the property of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei Cloud and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
Qianzhong Avenue
Gui'an New District
Gui Zhou 550029
People's Republic of China

Website: <https://www.huaweicloud.com/intl/en-us/>

Contents

1 Using KooCLI.....1

2 CLI Command Reference.....3

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 open APIs of Cloud Container Engine (CCE) to manage and use your CCE resources. For details about KooCLI, see [What Is KooCLI?](#)

Installing KooCLI

Before you begin, you will need to install KooCLI. KooCLI supports three operating systems: Windows, Linux, and macOS. Install the corresponding version of the tool based on the operating system of your host.

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

Initializing KooCLI Configuration

When KooCLI is used to call APIs, the caller's identity information needs to be obtained for authentication. By configuring KooCLI initialization, you can store permanent AK/SK information in the configuration file. In this way, you do not need to frequently enter this information when calling APIs.

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

The following uses Windows as an example to describe how to initialize KooCLI configuration. The operations 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 commands 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 methods for generating commands:

- 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 the operation commands and related parameters of APIs, and then manually combine the CLI commands to call the APIs. For details, see [Step 4: View and Run Cloud Service Operation Commands](#).

The following uses the CCE API for obtaining cluster quotas as an example to describe how to generate a CLI command from API Explorer and then execute the CLI command to call the API.

1. On the [API Explorer](#) page of the CCE service, select the API for which you want to generate a CLI command.
2. On the parameter configuration page in the middle, configure the parameters required for calling 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 that is used to obtain cluster quotas:

```
hcloud CCE GetClusterQuota --cli-region="****#" --Content-Type="application/json"
```

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

The following shows the execution output of the CLI command for calling the API that is used to obtain cluster quotas:

```
{
  "quotas": {
    "resources": [
      {
        "type": "cluster",
        "quota": 50,
        "used": 1,
        "unit": "",
        "min": 0,
        "max": 500
      },
      {
        "type": "autopilot_cluster",
        "quota": 50,
        "used": 0,
        "unit": "",
        "min": 0,
        "max": 500
      }
    ]
  }
}
```

2 CLI Command Reference

Cluster Management

API Name	Command	Description	Operation
Hibernating a Cluster	hcloud CCE HibernateCluster	This API is used to hibernate a running cluster. After a cluster is hibernated, master node resources stop being billed.	Go debug
Waking Up a Cluster	hcloud CCE AwakeCluster	This API is used to wake up a hibernated cluster. After the cluster is woken up, master node resources continue to be billed.	Go debug
Obtaining a Cluster Certificate	hcloud CCE CreateKubernetesClusterCert	This API is used to obtain a certificate of a specified cluster.	Go debug
Revoking a Cluster Certificate of a User	hcloud CCE RevokeKubernetesClusterCert	This API is used to revoke a certificate of a specified cluster.	Go debug
Rotating the Cluster Certificate of a User	hcloud CCE RotateClusterCredentials	This API is used to rotate certificates of a specified cluster.	Go debug
Listing Clusters in a Specified Project	hcloud CCE ListClusters	This API is used to obtain details about all clusters in a specified project.	Go debug

API Name	Command	Description	Operation
Creating a Cluster	hcloud CCE CreateCluster	This API is used to create an empty cluster, which has only master nodes but no worker nodes. After creating a cluster by calling this API, you can add nodes by creating nodes .	Go debug
Reading a Specified Cluster	hcloud CCE ShowCluster	This API is used to obtain details about a specified cluster.	Go debug
Updating a Specified Cluster	hcloud CCE UpdateCluster	This API is used to update information about a specified cluster.	Go debug
Deleting a Cluster	hcloud CCE DeleteCluster	This API is used to delete a specified cluster.	Go debug
Modifying Cluster Specifications	hcloud CCE ResizeCluster	This API is used to modify the specifications of a cluster.	Go debug
Querying a Job	hcloud CCE ShowJob	This API is used to obtain information about a job via the job ID returned after a query request is delivered.	Go debug
Binding/ Unbinding Public API Server Address	hcloud CCE UpdateClusterEip	This API is used to bind or unbind the public API server address of the cluster by cluster ID.	Go debug
Obtaining Cluster Access Address	hcloud CCE ShowClusterEndp oints	This API is used to obtain the cluster access addresses by cluster ID, including the private IP (VIP returned by an HA cluster) and public IP.	Go debug
Obtaining the Global OBS Access Secret of a Cluster	hcloud CCE GetClusterLongAk skConfig	This API is used to obtain the global OBS access secret of a cluster.	Go debug

API Name	Command	Description	Operation
Updating the Global OBS Access Secret of a Cluster	hcloud CCE UpdateClusterLongAkskConfig	This API is used to update the global OBS access secret of a cluster.	Go debug
Obtaining the Global OBS Access Secret of a Project	hcloud CCE GetLongAkskConfig	This API is used to obtain the global OBS access secret of a project.	Go debug
Updating the Global OBS Access Secret of a Project	hcloud CCE UpdateLongAkskConfig	This API is used to update the global OBS access secret of a project.	Go debug
Obtaining Available Cluster Flavors	hcloud CCE GetClusterFlavorSpecs	This API is used to obtain the available cluster flavors.	Go debug
Obtaining the Feature Gate Status	hcloud CCE ShowFeatureGateStatus	This API is used to obtain the feature gate status.	Go debug
Obtaining a Cluster's Logging Configurations	hcloud CCE ShowClusterConfig	This API is used to obtain LTS configurations reported by the cluster components.	Go debug
Configuring Cluster Logs	hcloud CCE UpdateClusterLogConfig	This API is used to select the master node components whose logs are reported to LTS.	Go debug
Obtaining the AZ List	hcloud CCE GetAvailableZone	This API is used to obtain the AZ list.	Go debug
Obtaining Cluster Quotas	hcloud CCE GetClusterQuota	This API is used to obtain the cluster quotas.	Go debug
Obtaining Partition Details	hcloud CCE ShowPartition	This API is used to obtain partition details.	Go debug
Updating a Partition	hcloud CCE UpdatePartition	This API is used to update a partition.	Go debug
Obtaining the Partition List	hcloud CCE ListPartitions	This API is used to obtain the partition list.	Go debug

API Name	Command	Description	Operation
Creating a Partition	hcloud CCE CreatePartition	This API is used to create a partition.	Go debug

Node Management

API Name	Command	Description	Operation
Listing All Nodes in a Cluster	hcloud CCE ListNodes	This API is used to obtain details about all nodes in a specified cluster with the cluster ID.	Go debug
Creating a Node	hcloud CCE CreateNode	This API is used to create a node in a specified cluster.	Go debug
Reading a Specified Node	hcloud CCE ShowNode	This API is used to obtain details about a specified node via the node ID.	Go debug
Updating a Specified Node	hcloud CCE UpdateNode	This API is used to update information about a specified node.	Go debug
Deleting a Node	hcloud CCE DeleteNode	This API is used to delete a specified node.	Go debug
Accepting a Node	hcloud CCE AddNode	This API is used to accept a node into a specified cluster.	Go debug
Rotating node certificates	hcloud CCE RotateNodeCert	This API is used to rotate node certificates in a specified cluster. Compensation mechanism for cluster certificate rotation: When the matching cluster certificate rotation API is used to rotate certificates, if the certificates of some nodes fail to be rotated, you can call this API to retry.	Go debug

API Name	Command	Description	Operation
Resetting a Node	hcloud CCE ResetNode	This API is used to reset a node in a specified cluster.	Go debug
Removing a Node	hcloud CCE RemoveNode	This API is used to remove a node from a specified cluster.	Go debug
Enabling Scale-In Protection for a Node.	hcloud CCE LockNodepoolNodeScaleDown	This API is used to enable scale-in protection for a node. A node with scale-in protection enabled cannot be removed by simply changing the number of nodes in the node pool.	Go debug
Disabling Scale-In Protection for a Node.	hcloud CCE UnlockNodepoolNodeScaleDown	This API is used to disable scale-in protection for a node. A node with scale-in protection disabled can be removed by changing the number of nodes in the node pool. Scale-in protection can be disabled only for pay-per-use nodes.	Go debug
Migrating a Node	hcloud CCE MigrateNode	This API is used to migrate a node from a specified cluster to another cluster.	Go debug
Changing the Billing Mode of a Node to Yearly/ Monthly	hcloud CCE BatchChangeNodeToPeriod	This API is used to change the billing mode of a node from pay-per-use to yearly/ monthly.	Go debug

API Name	Command	Description	Operation
Migrating a Node to a Custom Node Pool	hcloud CCE MigrateToNodePool	This API is used to migrate a node to a custom node pool. Only nodes in the default node pool can be migrated. Throughout the migration process, the node will remain unaffected and will not require resetting or restarting. Additionally, the original password will be preserved.	Go debug
sync node	hcloud CCE SyncNode	This API is used to synchronize nodes.	Go debug
Synchronizing Nodes in Batches	hcloud CCE BatchSyncNodes	This API is used to synchronize nodes in batches.	Go debug
Obtaining the Supernode List in a Cluster	hcloud CCE ListHyperNodes	This API is used to obtain details about all supernodes in a specified cluster.	Go debug
Managing a Node in a Customized Node Pool	hcloud CCE AddNodesToNodePool	This API is used to manage a node in a customized node pool of a cluster. Spot instances are not supported.	Go debug

Node Pool Management

API Name	Command	Description	Operation
Listing All Node Pools in a Specified Cluster	hcloud CCE ListNodePools	This API is used to obtain information about all node pools in a specified cluster.	Go debug

API Name	Command	Description	Operation
Creating a Node Pool	hcloud CCE CreateNodePool	This API is used to create a node pool in a specified cluster. This API can be called only when the cluster is in the available, scaling-out, or scaling-in state.	Go debug
Reading a Specified Node Pool	hcloud CCE ShowNodePool	This API is used to obtain details about a specified node pool.	Go debug
Updating a Specified Node Pool	hcloud CCE UpdateNodePool	This API is used to update a specified node pool. This API can be called only when the cluster is in the available, scale-out, or scale-in state.	Go debug
Deleting a Node Pool	hcloud CCE DeleteNodePool	This API is used to delete a specified node pool.	Go debug
Node Pool Upgrade	hcloud CCE UpgradeNodePool	This API is used to synchronize the configurations of existing nodes in a node pool.	Go debug
Scaling a Node Pool	hcloud CCE ScaleNodePool	This API is used to scale in or out a node pool.	Go debug

Add-on Management

API Name	Command	Description	Operation
Listing Add-on Instances	hcloud CCE ListAddonInstances	This API is used to list all add-on instances in the cluster.	Go debug
Installing an Add-on Instance	hcloud CCE CreateAddonInstance	This API is used to install an add-on instance by using an add-on template.	Go debug
Listing Add-on Templates	hcloud CCE ListAddonTemplates	This API is used to query add-on templates.	Go debug

API Name	Command	Description	Operation
Querying an Add-on Instance	hcloud CCE ShowAddonInstance	This API is used to obtain details about an add-on instance.	Go debug
Updating an Add-on Instance	hcloud CCE UpdateAddonInstance	This API is used to update an add-on instance.	Go debug
Deleting an Add-on Instance	hcloud CCE DeleteAddonInstance	This API is used to delete an add-on instance.	Go debug
Rolling Back an Add-on Instance	hcloud CCE RollbackAddonInstance	Roll back the add-on instance version to the source version. Only when the status.isRollbackable parameter is set to true , and the add-on instance is in the running, available, abnormal, upgradeFailed , or rollbackFailed state, the version can be rolled back to the source version.	Go debug
Creating Add-on Check Tasks in Batches	hcloud CCE BatchCreateAddonPrecheck	This API is used to create add-on check tasks in batches in a specified cluster.	Go debug
Obtaining the Add-on Check Task Results	hcloud CCE ListAddonPrecheckTasks	This API is used to obtain the results of the add-on check tasks in a cluster.	Go debug

Cluster Upgrade

API Name	Command	Description	Operation
Cluster upgrade	hcloud CCE UpgradeCluster	Cluster upgrade	Go debug
Obtaining Cluster Upgrade Task Details	hcloud CCE ShowUpgradeClusterTask	Upgrade task ID, obtained from the uid field in the response body after the cluster upgrade API is called.	Go debug

API Name	Command	Description	Operation
Retrying a Cluster Upgrade Task	hcloud CCE RetryUpgradeClusterTask	Execute the failed cluster upgrade task again.	Go debug
Suspending a Cluster Upgrade Task	hcloud CCE PauseUpgradeClusterTask	Suspend the cluster upgrade task.	Go debug
Continue to execute the cluster upgrade task.	hcloud CCE ContinueUpgradeClusterTask	Resume the suspended cluster upgrade task.	Go debug
Enabling the Cluster Upgrade Process Booting Task	hcloud CCE CreateUpgradeWorkflow	This API is used to create a cluster upgrade booting task. After the booting task is created by calling this API, start the check through the cluster pre-upgrade check.	Go debug
Obtaining a List of Upgrade Workflows	hcloud CCE ListUpgradeWorkflows	Obtain a list of historical cluster upgrade booting tasks.	Go debug
Backing Up a Cluster	hcloud CCE CreateClusterMasterSnapshot	Cluster backup	Go debug
Obtaining a List of Cluster Upgrade Task Details	hcloud CCE ListUpgradeClusterTasks	Obtain a list of cluster upgrade task details.	Go debug
Performing a Pre-upgrade Check	hcloud CCE CreatePreCheck	Pre-upgrade check	Go debug
Obtaining Details About a Pre-upgrade Check Task of a Cluster	hcloud CCE ShowPreCheck	Obtain details about a pre-upgrade check task of a cluster. The task ID is obtained from the uid field in the response body after the cluster check API is called.	Go debug
Obtaining a List of Pre-upgrade Check Tasks of a Cluster	hcloud CCE ListPreCheckTasks	Obtain a list of pre-upgrade check tasks of a cluster.	Go debug

API Name	Command	Description	Operation
Obtaining the Cluster Upgrade Information	hcloud CCE ShowClusterUpgradeInfo	Obtain the cluster upgrade information.	Go debug
Obtaining a List of Cluster Backup Task Details	hcloud CCE ListClusterMasterSnapshotTasks	Obtain a list of cluster backup task details.	Go debug
Obtaining Details About a Specified Cluster Upgrade Task	hcloud CCE ShowUpgradeWorkflow	This API is used to obtain details about an upgrade booting task based on the task ID.	Go debug
Updating the Status of a Specified Cluster Upgrade Booting Task	hcloud CCE UpgradeWorkflowUpdate	This API is used to update the status of a specified cluster upgrade booting task. This API applies only to the upgrade cancellation process.	Go debug
Obtaining the Configuration of Cluster Upgrade Feature Gates	hcloud CCE ListClusterUpgradeFeatureGates	Obtain the configuration of cluster upgrade feature gates.	Go debug
Performing a Post-upgrade Check	hcloud CCE CreatePostCheck	Post-upgrade check, which is used by the customer to check the cluster status after an upgrade and provide feedback after services are restored. Use this API with the console.	Go debug
Obtaining a Cluster Upgrade Path	hcloud CCE ListClusterUpgradePaths	Obtain the cluster upgrade path.	Go debug

Quota Management

API Name	Command	Description	Operation
Querying Resource Quotas	hcloud CCE ShowQuotas	This API is used to query CCE resource quotas.	Go debug

API Versions

API Name	Command	Description	Operation
Listing API Versions	hcloud CCE ShowVersion	This API is used to query the list of API versions supported by CCE.	Go debug

Tag Management

API Name	Command	Description	Operation
Adding Resource Tags to a Specified Cluster in Batches	hcloud CCE BatchCreateClusterTags	This API is used to add resource tags for a specified cluster in batches.	Go debug
Deleting Resource Tags of a Specified Cluster in Batches	hcloud CCE BatchDeleteClusterTags	This API is used to delete resource tags of a specified cluster in batches.	Go debug
Obtaining Resource Tags	hcloud CCE GetResourceTags	This API is used to obtain resource tags.	Go debug
Obtaining Custom Tags	hcloud CCE GetCustomizeTags	This API is used to obtain custom tags.	Go debug
Obtaining Node Labels	hcloud CCE GetLabels	This API is used to obtain the labels of all nodes in a cluster.	Go debug

Configuration Management

API Name	Command	Description	Operation
Obtaining the Parameters That Can Be Configured for a Node Pool	hcloud CCE ShowNodePoolConfigurations	This API is used to obtain the parameters that can be configured for a node pool.	Go debug
Changing the Values of Configuration Parameters of a Node Pool	hcloud CCE UpdateNodePoolConfiguration	This API is used to change the values of parameter configurations of a node pool in the CCE cluster.	Go debug

API Name	Command	Description	Operation
Obtaining the Parameters That Can Be Configured for a Node Pool	hcloud CCE ShowNodePoolConfigurationDetails	This API is used to obtain the parameters that can be configured in a specified CCE node pool.	Go debug
Obtaining the List of Configurable Parameters Supported by a Cluster	hcloud CCE ShowClusterSupportConfiguration	This API is used to obtain the detailed configuration items supported by a cluster based on factors like the cluster version or type. It is specified during cluster creation.	Go debug
Obtaining the List of Parameters That Can Be Configured for a Cluster	hcloud CCE ShowClusterConfigurationDetails	This API is used to obtain the list of parameters that can be configured for a CCE cluster.	Go debug

Chart Management

API Name	Command	Description	Operation
Obtaining a Chart List	hcloud CCE ListCharts	This API is used to obtain the chart list.	Go debug
Uploading a Chart	hcloud CCE UploadChart	This API is used to upload a chart.	Go debug
Obtaining a Chart	hcloud CCE ShowChart	This API is used to obtain a chart.	Go debug
Updating a Chart	hcloud CCE UpdateChart	This API is used to update a chart.	Go debug
Deleting a Chart	hcloud CCE DeleteChart	This API is used to delete a chart.	Go debug
Downloading a Chart	hcloud CCE DownloadChart	This API is used to download a chart.	Go debug
Obtaining Chart Values	hcloud CCE ShowChartValues	This API is used to obtain chart values.	Go debug
Obtaining the Quota of a User Chart	hcloud CCE ShowUserChartsQuotas	This API is used to obtain the quota of a user chart.	Go debug

API Name	Command	Description	Operation
Obtaining a Release List	hcloud CCE ListReleases	This API is used to obtain a release list.	Go debug
Creating a Release	hcloud CCE CreateRelease	This API is used to create a release.	Go debug
Obtaining a Release	hcloud CCE ShowRelease	This API is used to obtain a release.	Go debug
Updating a Release	hcloud CCE UpdateRelease	This API is used to update a release.	Go debug
Deleting a Release	hcloud CCE DeleteRelease	This API is used to delete a release.	Go debug
Obtaining Historical Records of a Release	hcloud CCE ShowReleaseHistory	This API is used to obtain historical records of a release.	Go debug

Permissions Management

API Name	Command	Description	Operation
Creating an Access Policy	hcloud CCE CreateAccessPolicy	This API is used to create an access policy.	Go debug
Obtaining the Access Policy List	hcloud CCE ListAccessPolicy	This API is used to obtain the access policy list.	Go debug
Obtaining Access Policy Details	hcloud CCE GetAccessPolicy	This API is used to obtain an access policy.	Go debug
Updating an Access Policy	hcloud CCE UpdateAccessPolicy	This API is used to update an access policy.	Go debug
Deleting an Access Policy	hcloud CCE DeleteAccessPolicy	This API is used to delete an access policy.	Go debug
Create pod-identity association	hcloud CCE CreatePodIdentityAssociation	This API is used to create pod-identity association, in which service account in certain cluster is bound to agency	Go debug

API Name	Command	Description	Operation
Obtaining the pod-identity association list in certain cluster	hcloud CCE ListPodIdentityAssociations	The API is used to obtain the pod-identity association list in certain cluster	Go debug
Obtaining pod-identity association detail	hcloud CCE ShowPodIdentityAssociation	The API is used to obtain pod-identity association detail	Go debug
Update pod-identity association	hcloud CCE UpdatePodIdentityAssociation	The API is used to update agency attribute of a pod-identity association	Go debug
Delete pod-identity association	hcloud CCE DeletePodIdentityAssociation	The API is used to delete a pod-identity association	Go debug
Assume for temporary credentials of pod-identity association	hcloud CCE AssumeAgencyForPodIdentity	The API is used to assume for temporary credentials of pod-identity association	Go debug