

Deploy

CLI Reference

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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.....

2 CLI Command Reference.....

1

3

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 CodeArts Deploy in API Explorer to manage and use your CodeArts Deploy 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 API for obtaining the application list of CodeArts Deploy 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 CodeArts Deploy, 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 obtaining the application list.

```
hcloud CodeArtsDeploy ListAllApp/v2 --cli-region="ap-southeast-3" --  
project_id="0cf7dfec377a40db92cf2b560193cb10" --page=1 --size=10
```

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 obtaining the application list.

```
[  
  {  
    "duration": "00:10:36",  
    "id": "591dd7bef04f4ae5ae653fb32f8c7a50",  
    "name": "k8s-manifest",  
    "state": "failed"  
  },  
  {  
    "duration": "00:01:29",  
    "id": "c13d262c3f80429abad4c3ef5645de86",  
    "name": "spring-0825",  
    "state": "failed"  
  },  
  {  
    "duration": "00:09:37",  
    "id": "cceb3fecff6240fb8efa3c3ed2b280fd",  
    "name": "3110-k8s-2610",  
    "state": "failed"  
  },  
]
```

2 CLI Command Reference

Managing Host Clusters

API Name	Command	Description	Operation
Adding a host cluster - 2	hcloud CodeArtsDeploy CreateDeploymentGroup	Create a host cluster in the project. This interface will no longer be maintained after September 30, 2024. You are advised to use the CreateHostCluster interface of the new version.	Go debug
Query the list of host clusters.	hcloud CodeArtsDeploy ListHostGroups	This interface is used to query the host cluster list based on conditions. This interface will no longer be maintained after September 30, 2024. You are advised to use the ListHostClusters interface of the new version.	Go debug
Deletes a host cluster.	hcloud CodeArtsDeploy DeleteDeploymentGroup	This interface is used to delete a host cluster based on the host cluster ID. This interface will no longer be maintained after September 30, 2024.	Go debug

API Name	Command	Description	Operation
Querying Host Clusters	hcloud CodeArtsDeploy ShowDeployment GroupDetail	This interface is used to query details about a host cluster based on the host cluster ID. This interface will no longer be maintained after September 30, 2024. You are advised to use the ShowHostClusterDetail interface of the new version.	Go debug
Modifying a Host Cluster	hcloud CodeArtsDeploy UpdateDeployme ntGroup	This interface is used to modify host cluster information based on the host cluster ID. This interface will no longer be maintained after September 30, 2024.	Go debug
Create Host Cluster	hcloud CodeArtsDeploy CreateHostCluster	Create a host cluster in the project.	Go debug
Query the list of host clusters.	hcloud CodeArtsDeploy ListHostClusters	This interface is used to query the host cluster list based on conditions.	Go debug
Querying a Host Cluster	hcloud CodeArtsDeploy ShowHostCluster- Detail	Query host cluster detail by host cluster ID.	Go debug
Editing a Host Cluster	hcloud CodeArtsDeploy UpdateHostCluste r	This API is used to edit a host cluster.	Go debug
Deleting a Host Cluster	hcloud CodeArtsDeploy DeleteHostCluster	This API is used to delete a host cluster.	Go debug
Querying Information About the Environment Associated with a Host Cluster	hcloud CodeArtsDeploy ListAssociateEnvir- onmentsInfos	This API is used to query information about the environment associated with a host cluster.	Go debug

API Name	Command	Description	Operation
Querying the Basic Environment Information List of an Application	hcloud CodeArtsDeploy ListHostGroupBaseInfos	This API is used to query the basic environment information list of an application.	Go debug

Managing Hosts

API Name	Command	Description	Operation
Creating a host	hcloud CodeArtsDeploy CreateDeploymentHost	Create a host in a specified host cluster. This interface will no longer be maintained after September 30, 2024. You are advised to use the CreateHost interface of the new version.	Go debug
Querying a host list	hcloud CodeArtsDeploy ListHosts	This interface is used to query the list of hosts in a specified host cluster based on the host cluster ID. This interface will no longer be maintained after September 30, 2024. You are advised to use the ListNewHosts interface of the new version.	Go debug
Querying Host Details	hcloud CodeArtsDeploy ShowDeploymentHostDetail	This interface is used to query host details based on the host ID. This interface will no longer be maintained after September 30, 2024. You are advised to use the ShowHostDetail interface of the new version.	Go debug

API Name	Command	Description	Operation
Modify attributes of a host	hcloud CodeArtsDeploy UpdateDeploymentHost	This interface is used to modify host information based on the host ID. This interface will no longer be maintained after September 30, 2024.	Go debug
Deleting a Host	hcloud CodeArtsDeploy DeleteDeploymentHost	This interface is used to delete a host based on the host ID. This interface will no longer be maintained after September 30, 2024.	Go debug
Creat host	hcloud CodeArtsDeploy CreateHost	Create a host in host cluster.	Go debug
Querying a host list	hcloud CodeArtsDeploy ListNewHosts	Query host list by host cluster ID.	Go debug
Querying Host Details	hcloud CodeArtsDeploy ShowHostDetail	Query host details by host ID.	Go debug
Editing Host Information in a Host Cluster	hcloud CodeArtsDeploy UpdateHostInfo	This API is used to edit host information in a host cluster by ID.	Go debug
Deleting a Host from a Host Cluster	hcloud CodeArtsDeploy DeleteHost	This API is used to delete a host from a host cluster by ID.	Go debug
Cloning Hosts to the Target Host Cluster in Batches	hcloud CodeArtsDeploy CopyHostsToTarget	This API is used to clone hosts to the target host cluster in batches.	Go debug
Deleting Hosts from a Host Cluster in Batches	hcloud CodeArtsDeploy BatchDeleteHosts	This API is used to delete hosts from a host cluster in batches.	Go debug

Managing Applications

API Name	Command	Description	Operation
Obtain Application List	hcloud CodeArtsDeploy ListDeployTasks	Querying the application list in a project. This interface will no longer be maintained after September 30, 2024. You are advised to use the ListAllApp interface of the new version.	Go debug
Customizing a Template to Create an Application	hcloud CodeArtsDeploy CreateDeployTask ByTemplate	Customizes a template to create an application. This interface will no longer be maintained after September 30, 2024. You are advised to use the CreateApp interface of the new version.	Go debug
Deploying an Application	hcloud CodeArtsDeploy StartDeployTask	Deploys an application based on the deployment task ID.	Go debug
Obtaining Application Details	hcloud CodeArtsDeploy ShowDeployTaskD etail	Obtains application details based on the deployment task ID. This interface will no longer be maintained after September 30, 2024. You are advised to use the ShowAppDetailById interface of the new version.	Go debug
Deleting an Application	hcloud CodeArtsDeploy DeleteDeployTask	Deletes an application based on the deployment task ID. This interface will no longer be maintained after September 30, 2024. You are advised to use the DeleteApplication interface of the new version.	Go debug

API Name	Command	Description	Operation
Querying Historical Execution Records	hcloud CodeArtsDeploy ListDeployTaskHistoryByDate	Queries the historical execution records of a specified task in a project based on the start time and end time.	Go debug
Querying the Application List in a Project	hcloud CodeArtsDeploy ListAllApp	Querying the Application List in a Project.	Go debug
Create an application.	hcloud CodeArtsDeploy CreateApp	Create an application.	Go debug
Update an application.	hcloud CodeArtsDeploy UpdateAppInfo	This API is used to update an application.	Go debug
Query application detail	hcloud CodeArtsDeploy ShowAppDetailById	Query application detail by application ID.	Go debug
Deleting an application	hcloud CodeArtsDeploy DeleteApplication	Deleting an application by application ID.	Go debug
Querying execution parameters of a deployment record	hcloud CodeArtsDeploy ShowExecutionParams	Querying execution parameters of a deployment record.	Go debug
Cloning an Application	hcloud CodeArtsDeploy CopyApplication	This API is used to clone an application.	Go debug
Deleting Applications from a Project in Batches	hcloud CodeArtsDeploy BatchDeleteApp	This API is used to delete applications from a project in batches.	Go debug
Checking Whether an Application with the Same Name Exists in a Project	hcloud CodeArtsDeploy CheckIsDuplicateAppName	This API is used to check whether an application with the same name exists in a project.	Go debug
Disabling and Enabling an Application	hcloud CodeArtsDeploy UpdateAppDisableStatus	This API is used to disable or enable an application.	Go debug

Managing Application Groups

API Name	Command	Description	Operation
Querying a Group List	hcloud CodeArtsDeploy ListAppGroups	This API is used to query a group list.	Go debug
Creating a Group	hcloud CodeArtsDeploy CreateAppGroups	This API is used to create a group.	Go debug
Modifying a Group	hcloud CodeArtsDeploy UpdateAppGroups	This API is used to modify a group.	Go debug
Deleting a Group	hcloud CodeArtsDeploy DeleteAppGroups	This API is used to delete a group.	Go debug
Moving a Group	hcloud CodeArtsDeploy MoveAppGroups	This API is used to move a group up or down to adjust the position of the group on the page.	Go debug
Moving an Application to a Specified Group	hcloud CodeArtsDeploy MoveAppToGroup	This API is used to move applications to a specified group (batch operations are supported).	Go debug

Managing Application Permissions

API Name	Command	Description	Operation
Querying the Instance-Level/ Project-Level Permission Matrix of an Application	hcloud CodeArtsDeploy ListApplication- Permissions	This API is used to query the instance-level or project-level permission matrix of an application. If app_id is transferred, the instance-level permission matrix is queried. If project_id is transferred while app_id is not transferred, the project-level permission matrix is queried.	Go debug
Modifying Application Permissions in Batches	hcloud CodeArtsDeploy BatchUpdateAppli cationPermissions	This API is used to modify application permissions in batches.	Go debug
Configuring Authentication Levels for Applications in Batches	hcloud CodeArtsDeploy BatchUpdatePerm issionLevel	This API is used to configure the authentication level to project-level or instance-level for applications in batches.	Go debug
Checking whether the current user has the permission to create applications in a project.	hcloud CodeArtsDeploy CheckCanCreate	This API is used to check whether the current user has the permission to create applications in a project.	Go debug

Measuring Deployment Record

API Name	Command	Description	Operation
Obtaining the Application Deployment Success Rate	hcloud CodeArtsDeploy ShowProjectSucce ssRate	Obtains the application deployment success rate of a specified project.	Go debug

API Name	Command	Description	Operation
Obtaining the Application Deployment Success Rate	hcloud CodeArtsDeploy ListTaskSuccess- Rate	Obtains the application deployment success rate of a specified application.	Go debug

Managing Environments

API Name	Command	Description	Operation
Creating an Environment in an Application	hcloud CodeArtsDeploy CreateEnvironment	Creating an Environment in an Application.	Go debug
Querying the Environment List of an Application	hcloud CodeArtsDeploy ListEnvironments	Querying the Environment List of an Application.	Go debug
Editing an Environment in an Application	hcloud CodeArtsDeploy UpdateEnvironment	This API is used to edit an environment in an application.	Go debug
Deleting an Environment from an Application	hcloud CodeArtsDeploy DeleteEnvironment	Deleting an Environment from an Application.	Go debug
Querying environment details	hcloud CodeArtsDeploy ShowEnvironment Detail	Querying environment details.	Go debug
Importing Hosts to an Environment	hcloud CodeArtsDeploy ImportHostToEnvironment	Importing Hosts to an Environment.	Go debug
Deleting a Host From Environment	hcloud CodeArtsDeploy DeleteHostFromEnvironment	Deleting a Host From Environment.	Go debug
Querying a Host List in an Environment	hcloud CodeArtsDeploy ListEnvironmentHosts	This API is used to query a host list in an environment.	Go debug

Managing Host Cluster Permissions

API Name	Command	Description	Operation
Querying the Host Cluster Permission Matrix	hcloud CodeArtsDeploy ListHostGroupPer- missions	This API is used to query the permission matrix of a host cluster by ID.	Go debug
Modifying the Host Cluster Permission Matrix	hcloud CodeArtsDeploy UpdateHostGroup Permissions	This API is used to modify the permission matrix of a host cluster by ID.	Go debug
Checking Whether the Current User Has Permissions to Create a Host Cluster in a Project	hcloud CodeArtsDeploy CheckWhetherHos tGroupCanBeCrea ted	This API is used to check whether the current user has permissions to create a host cluster in a project.	Go debug

Managing Environment Permissions

API Name	Command	Description	Operation
Querying Environment Permissions	hcloud CodeArtsDeploy ListEnvironment- Permissions	This API is used to query environment permissions.	Go debug
Editing Environment Permission	hcloud CodeArtsDeploy UpdateEnvironme ntPermission	This API is used to edit the environment permission.	Go debug