

CodeArts Build

CLI Reference

Issue	01
Date	2026-09-17



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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 CodeArts Build in API Explorer to manage and use your CodeArts Build 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 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 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 group creation API of CodeArts Build 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 API Gateway, 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 group creation API.

```
hcloud CodeArtsBuild DeleteTheJob --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 API group creation API.

```
{
  "result": {
    "project_id": "aef718e1ac5f4bed9d74092b3ea582ca",
    "job_id": "bf81a5317fd94d9d8ecb2ee5f45c1334"
  },
  "error": null,
  "status": "success"
}
```

2 CLI Reference

2.1 CLI Command Reference

Related to tenants

API Name	Command	Description	Operation
Querying the Built-in Executor Specifications	hcloud CodeArtsBuild ShowAvailableInnerSpec	This API is used to query the specifications of the built-in executor.	Go debug
Tracking Expiration Dates of a Package	hcloud CodeArtsBuild ShowPackageSpec CountDown	This API is used to obtain expiration details of a package.	Go debug
Querying Tenant Status	hcloud CodeArtsBuild ShowDomainStatus	This API is used to query tenant status.	Go debug
Querying the Current Tenant (Billing) Type	hcloud CodeArtsBuild ShowUserChargeType	This API is used to query the current tenant (billing) type.	Go debug
Obtaining the Project Information List of the Current User	hcloud CodeArtsBuild ShowRelatedProject	Obtaining the Project Information List of the Current User	Go debug
Obtaining the Project List	hcloud CodeArtsBuild ListRelatedProjectInfo	Obtaining the Project List	Go debug

API Name	Command	Description	Operation
Obtaining the Total Number of Tasks and Their Success Rate in the Tenant Account	hcloud CodeArtsBuild ShowSummaryBuildJobInfo	Obtaining the Total Number of Tasks and Their Success Rate in the Tenant Account	Go debug
Checking If the Monthly Duration for the Project Used by the Current User Exceeds the Tenant's Yearly/Monthly Package Quota	hcloud CodeArtsBuild ShowUserOverPackageQuota	Checking If the Monthly Duration for the Project Used by the Current User Exceeds the Tenant's Yearly/Monthly Package Quota	Go debug
Obtaining User Permissions	hcloud CodeArtsBuild ShowProjectPermission	Obtaining User Permissions	Go debug

Mirror template

API Name	Command	Description	Operation
Obtaining the Dockerfile Template	hcloud CodeArtsBuild ShowDockerfileTemplate	Obtaining the Dockerfile Template	Go debug
Obtaining Image Templates	hcloud CodeArtsBuild ShowImageTemplateList	Obtaining Image Templates	Go debug

Build task management

API Name	Command	Description	Operation
Favoriting a Task	hcloud CodeArtsBuild AddFavouriteTask	This API is used to favorite a task.	Go debug
Unfavoriting a Task	hcloud CodeArtsBuild RemoverFavouriteTask	This API is used to unfavorite a task.	Go debug

API Name	Command	Description	Operation
Determining If a Task Uses Project-level Permissions	hcloud CodeArtsBuild ApplyProjectPer- mission	This API is used to determine if a task uses project-level permissions.	Go debug
Modifying Task Permissions in Batches	hcloud CodeArtsBuild BatchUpdateJobR olePermission	This API is used to modifying task permissions in batches.	Go debug
Whether secure intranet access is enabled	hcloud CodeArtsBuild CheckJobInternal	This API is used to check whether secure access to intranet is enabled.	Go debug
Querying the List of Self-Hosted Repos	hcloud CodeArtsBuild ListEndpoints	This API is used to query the list of self-hosted repos.	Go debug
Updating Notification Settings	hcloud CodeArtsBuild UpdateNewNotice New	This API is used to update notification settings.	Go debug
Obtaining Notification Information	hcloud CodeArtsBuild ShowJobNoticeCo nfigInfo	Obtaining Notification Information	Go debug
Obtaining the Status, Completion Percentage, and Estimated Time Remaining for a Named Build	hcloud CodeArtsBuild ShowBuildDetails	This API is used to obtain the status, completion percentage, and estimated time remaining for a named build.	Go debug
Querying the Status of Other Tenants in Cross-Tenant Scenarios	hcloud CodeArtsBuild ShowDomainsStat uses	This API is used to query the status of other tenants in cross-tenant scenarios.	Go debug
Obtaining Build Task Information in a Pipeline	hcloud CodeArtsBuild ShowJobPipelineIn fo	This API is used to obtain build task information in a pipeline.	Go debug
Stopping a Build Task (Version 1)	hcloud CodeArtsBuild StopTheJob	This API is used to stop a build task.	Go debug

API Name	Command	Description	Operation
Obtaining the Roles and Permissions Matrix of a Build Task.	hcloud CodeArtsBuild ShowProjectJobPermission	This API is used to obtain the roles and permissions matrix of a build task.	Go debug
Creating a Build Task	hcloud CodeArtsBuild CreateNewJob	Creating a Build Task	Go debug
Restoring Tasks from the Recycle Bin	hcloud CodeArtsBuild RestoreRecycling-Jobs	Restoring Tasks from the Recycle Bin	Go debug
Setting the Retention Period for Tasks in the Recycle Bin	hcloud CodeArtsBuild SetKeepTime	This API allows tenant accounts to set the retention period for tasks in the recycle bin, but it is not accessible to member accounts.	Go debug
Updating a Build Task	hcloud CodeArtsBuild UpdateNewJob	Updating a Build Task	Go debug
Checking the Webhook URL Parameter	hcloud CodeArtsBuild CheckWebhookUrl	Checking the Webhook URL Parameter	Go debug
Running a Build	hcloud CodeArtsBuild ExecuteJob	Running a Build	Go debug
Disabling a Task	hcloud CodeArtsBuild DisableTheJob	Disabling a Task	Go debug
Cloning a Build Task	hcloud CodeArtsBuild CopyJob	Cloning a Build Task	Go debug
Deleting a Task	hcloud CodeArtsBuild DeleteTheJob	Deleting a Task	Go debug
Deleting Tasks from the Recycle Bin	hcloud CodeArtsBuild DeleteRecycling-Jobs	Deleting Tasks from the Recycle Bin	Go debug

API Name	Command	Description	Operation
Emptying the Recycle Bin	hcloud CodeArtsBuild ClearRecyclingJobs	Emptying the Recycle Bin	Go debug
Checking Whether a Task Is Disabled	hcloud CodeArtsBuild ShowDisable	Checking Whether a Task Is Disabled	Go debug
Copying a Task Name	hcloud CodeArtsBuild ShowCopyName	Copying a Task Name	Go debug
Querying Task Status	hcloud CodeArtsBuild ShowJobStepStatus	Querying Task Status	Go debug
Obtaining the Default Roles and Permissions Matrix of the Current Project	hcloud CodeArtsBuild ShowDefaultProjectPermission	Obtaining the Default Roles and Permissions Matrix of the Current Project	Go debug
Obtaining the Update Records	hcloud CodeArtsBuild ListUpdateJobHistory	Obtaining the Update Records	Go debug
Checking If the Build Task Is Running	hcloud CodeArtsBuild ShowRunningStatus	Checking If the Build Task Is Running	Go debug
Obtaining Default Parameters	hcloud CodeArtsBuild ShowDefaultBuildParameters	Obtaining Default Parameters	Go debug
Checking If the Project Has a Task with the Specified Name	hcloud CodeArtsBuild CheckJobNameExists	Checking If the Project Has a Task with the Specified Name	Go debug
Querying All Build Tasks	hcloud CodeArtsBuild ListJob	Querying All Build Tasks	Go debug
Checking If the Task Count Has Reached the Upper Limit	hcloud CodeArtsBuild CheckJobCountIsTopLimit	Checking If the Task Count Has Reached the Upper Limit	Go debug

API Name	Command	Description	Operation
Obtaining Build Parameters on the Details Page	hcloud CodeArtsBuild ListBuildParameter	Obtaining Build Parameters on the Details Page	Go debug
Querying the Build Tasks in the Recycle Bin	hcloud CodeArtsBuild ListRecyclingJob	Querying the Build Tasks in the Recycle Bin	Go debug
Querying Predefined Parameters	hcloud CodeArtsBuild ShowJobSystemParameters	Querying Predefined Parameters	Go debug
Viewing Build Information of a Build Task	hcloud CodeArtsBuild ShowJobInfo	Viewing Build Information of a Build Task	Go debug
Obtaining Parameter Types on the Task Editing Page	hcloud CodeArtsBuild ShowBuildParamsList	Obtaining Parameter Types on the Task Editing Page	Go debug
Obtaining the Differences Between Build Task Configurations	hcloud CodeArtsBuild ShowJobConfigDiff	Obtaining the Differences Between Build Task Configurations	Go debug
Obtaining the Roles and Permissions Matrix of a Build Task	hcloud CodeArtsBuild ShowJobRolePermission	Obtaining the Roles and Permissions Matrix of a Build Task	Go debug
Querying Tasks of a Project	hcloud CodeArtsBuild ListProjectJobs	Querying Tasks of a Project	Go debug
Obtaining Build Task Details (Version 1)	hcloud CodeArtsBuild ShowJobConfig	Obtaining Build Task Details (Version 1)	Go debug

Build records

API Name	Command	Description	Operation
Obtaining the Brief Build Information of a Specified Project	hcloud CodeArtsBuild ListBriefRecord	Obtaining the Brief Build Information of a Specified Project	Go debug

API Name	Command	Description	Operation
Obtaining Information About Each Task Stage	hcloud CodeArtsBuild ShowBuildRecord-FullStages	Obtaining Information About Each Task Stage	Go debug
Obtaining the Build Record List of a Specified Project	hcloud CodeArtsBuild ListRecords	Obtaining the Build Record List of a Specified Project	Go debug
Obtaining Build Records of a Task	hcloud CodeArtsBuild ShowBuildInfoRecord	Obtaining Build Records of a Task	Go debug
Obtaining the Directed Acyclic Graph of a Build Record	hcloud CodeArtsBuild ShowBuildRecord-FlowGraph	Obtaining the Directed Acyclic Graph of a Build Record	Go debug
Obtaining Build Record Information (Version 1)	hcloud CodeArtsBuild ShowJobBuildRecordDetail	Obtaining Build Record Information (Version 1)	Go debug
Obtaining the Number of Builds on the Build History Page	hcloud CodeArtsBuild ShowJobTotal	Obtaining the Number of Builds on the Build History Page	Go debug
Querying Details About a Specified Build Record	hcloud CodeArtsBuild ShowBuildRecord	Querying Details About a Specified Build Record	Go debug
Obtaining the Build Script of a Build Record	hcloud CodeArtsBuild ShowBuildRecord-BuildScript	Obtaining the Build Script of a Build Record	Go debug
Obtaining Build Records of a Task (Version 1)	hcloud CodeArtsBuild ListBuildInfoRecordByJobId	Obtaining Build Records of a Task (Version 1)	Go debug

Construction report

API Name	Command	Description	Operation
Querying the Build Success Rate	hcloud CodeArtsBuild ShowJobBuildSuccessRatio	Querying the Build Success Rate	Go debug
Obtaining the Coverage	hcloud CodeArtsBuild ShowReportSummary	Obtaining the Coverage	Go debug
Obtaining Unit Test Coverage Reports	hcloud CodeArtsBuild ListJunitCoverageSummary	Obtaining Unit Test Coverage Reports	Go debug
Viewing Repositories	hcloud CodeArtsBuild ListRepository	Viewing Repositories	Go debug
Obtaining Information About All Branches of a Task	hcloud CodeArtsBuild ListRepoBranch	Obtaining Information About All Branches of a Task	Go debug
Obtaining the Unit Test Coverage Report Package	hcloud CodeArtsBuild DownloadJunitCoverageZip	Obtaining the Unit Test Coverage Report Package	Go debug
Obtaining the Build Duration Information on the Dashboard	hcloud CodeArtsBuild ShowJobBuildTime	Obtaining the Build Duration Information on the Dashboard	Go debug

Template management

API Name	Command	Description	Operation
Favoriting an Official Template	hcloud CodeArtsBuild AddFavouriteOfficialTemplate	This API is used to favorite an official template.	Go debug
Unfavoriting an Official Template	hcloud CodeArtsBuild RemoveFavouriteOfficialTemplate	This API is used to unfavoritize an official template.	Go debug

API Name	Command	Description	Operation
Favoriting a Custom Template	hcloud CodeArtsBuild AddFavouriteCustomTemplate	This API is used to favorite a custom template.	Go debug
Unfavoriting a Custom Template	hcloud CodeArtsBuild RemoverFavouriteCustomTemplate	This API is used to unfavorite a custom template.	Go debug
Querying a Specific Template Based on Its UUID	hcloud CodeArtsBuild ShowTemplate	This API is used to query a specific template based on its UUID.	Go debug
Saving Template Use Records	hcloud CodeArtsBuild SaveTemplateUse-Info	This API is used to save template use records.	Go debug
Creating a Build Template (Version 1)	hcloud CodeArtsBuild CreateTemplate	Creating a Build Template (Version 1)	Go debug
Obtaining Recommended Templates	hcloud CodeArtsBuild ListRecommendOfficialTemplate	Obtaining Recommended Templates	Go debug
Deleting a Build Template (Version 1)	hcloud CodeArtsBuild DeleteTemplate	Deleting a Build Template (Version 1)	Go debug
Obtaining the Default Template for a YAML Build	hcloud CodeArtsBuild ShowYamlTemplate	Obtaining the Default Template for a YAML Build	Go debug
Querying Templates based on Specified Conditions	hcloud CodeArtsBuild ListCustomTemplate	Querying Templates based on Specified Conditions	Go debug
Querying Official Templates	hcloud CodeArtsBuild ListOfficialTemplate	Querying Official Templates	Go debug

File management

API Name	Command	Description	Operation
Configuring File Permissions	hcloud CodeArtsBuild UpdateKeystorePermission	This API is used to configure permissions for a file.	Go debug
Granting File Permissions	hcloud CodeArtsBuild AddKeystorePermission	This API is used to grant a user the permissions for a file.	Go debug
Uploading a File	hcloud CodeArtsBuild UploadKeystore	Uploading a File	Go debug
Updating File Information	hcloud CodeArtsBuild UpdateKeystore	This API is used to update file information.	Go debug
Deleting a File	hcloud CodeArtsBuild DeleteKeystore	Deleting a File	Go debug
Deleting File Permissions	hcloud CodeArtsBuild DeleteKeystorePermission	Deleting File Permissions	Go debug
Downloading a File from File Manager	hcloud CodeArtsBuild DownloadKeystoreByName	Downloading a File from File Manager	Go debug
Querying File Permissions	hcloud CodeArtsBuild ShowKeystorePermission	Querying File Permissions	Go debug
Querying Files Available to a User	hcloud CodeArtsBuild ListKeystore	Querying Files Available to a User	Go debug
Querying Files of the Tenant	hcloud CodeArtsBuild ListKeystoreSearch	Querying Files of the Tenant	Go debug

CodeArtsBuild(TheOld)

API Name	Command	Description	Operation
Deleting Build Tasks in Batches	hcloud CodeArtsBuild BatchDeleteBuild-Jobs	This API is used to delete build tasks in batches.	Go debug
View the build task build history list based on the start time and end time.	hcloud CodeArtsBuild ShowListPeriodHistory	View the build task build history list based on the start time and end time.	Go debug
View the build history list of build task.	hcloud CodeArtsBuild ShowListHistory	View the build history list of build task.	Go debug
KeyStore File Download	hcloud CodeArtsBuild DownloadKeystore	Downloading KeyStore Files of a Specified Tenant	Go debug
Checking the Task Running Status	hcloud CodeArtsBuild ShowJobStatus	Checking the Task Running Status	Go debug
View the build task list of users under a project.	hcloud CodeArtsBuild ShowJobListByProjectId	View the build task list of users under a project.	Go debug
Run the build task command.	hcloud CodeArtsBuild RunJob	Run the build task command to transfer user-defined parameters.	Go debug
Queries the latest successful build history of a specified code repository.	hcloud CodeArtsBuild ShowLastHistory	Queries the latest successful build history of a specified code repository.	Go debug
API for Obtaining Historical Build Details	hcloud CodeArtsBuild ShowHistoryDetails	API for Obtaining Historical Build Details	Go debug
Check the build task build success rate based on the start time and end time.	hcloud CodeArtsBuild ShowJobSuccessRatio	Check the build task build success rate based on the start time and end time.	Go debug

API Name	Command	Description	Operation
Download Full Build Log	hcloud CodeArtsBuild DownloadBuildLog	Download Full Build Log	Go debug
Download Build Step Log	hcloud CodeArtsBuild DownloadTaskLog	Download Build Step Log	Go debug
Obtaining Build Records	hcloud CodeArtsBuild ShowRecordDetail	Obtaining Build Records	Go debug
Obtaining Build Product Details	hcloud CodeArtsBuild ShowOutputInfo	Obtaining Build Product Details	Go debug
Build Stop Result	hcloud CodeArtsBuild StopBuildJob	Build Stop Result	Go debug
Delete Build Task	hcloud CodeArtsBuild DeleteBuildJob	Delete Build Task	Go debug
Disable Build Tasks	hcloud CodeArtsBuild DisableBuildJob	Disable Build Tasks	Go debug
Resume Build Task	hcloud CodeArtsBuild ResumeBuildJob	Resume Build Task	Go debug
Creating a Build Job	hcloud CodeArtsBuild CreateBuildJob	Creating a Build Job	Go debug
Updating the build task	hcloud CodeArtsBuild UpdateBuildJob	Updating the build task	Go debug
Querying a Build Template	hcloud CodeArtsBuild ListTemplates	Querying a Build Template	Go debug
Creating a Build Template	hcloud CodeArtsBuild CreateTemplates	Creating a Build Template	Go debug
Deleting a Build Template	hcloud CodeArtsBuild DeleteTemplates	Deleting a Build Template	Go debug

API Name	Command	Description	Operation
Query a Notification	hcloud CodeArtsBuild ListNotice	Query a Notification	Go debug
Sending Asynchronous Notifications When Updating Resource Types	hcloud CodeArtsBuild UpdateNotice	Sending Asynchronous Notifications When Updating Resource Types	Go debug
Cancel Notification	hcloud CodeArtsBuild DisableNotice	Cancel Notification	Go debug
Obtaining build task Details	hcloud CodeArtsBuild ListJobConfig	Obtaining build task Details	Go debug
Download Real Time Log	hcloud CodeArtsBuild DownloadRealTimeLog	Download Real Time Log	Go debug
Obtaining Build INFO Records	hcloud CodeArtsBuild ListBuildInfoRecord	Obtaining Build INFO Records	Go debug

CodeArtsBuild(Offline)

API Name	Command	Description	Operation
Downloading Build Logs (To Be Taken Offline)	hcloud CodeArtsBuild DownloadLogByRecordId	Downloading Build Logs (To Be Taken Offline)	Go debug
Obtaining a Directed Acyclic Graph of Build Records (To Be Offline)	hcloud CodeArtsBuild ShowFlowGraph	Obtaining a Directed Acyclic Graph of Build Records (To Be Offline)	Go debug
Obtaining Build Records (To Be Offline)	hcloud CodeArtsBuild ShowRecordInfo	Obtaining Build Records (To Be Offline)	Go debug
Stopping the build task (To Be Offline)	hcloud CodeArtsBuild StopJob	Stopping the build task (To Be Offline)	Go debug

LogManager

API Name	Command	Description	Operation
Obtaining All Run Logs	hcloud CodeArtsBuild DownloadBuildRealTimeLog	This API is used to obtain all run logs.	Go debug
Downloading All Build Logs	hcloud CodeArtsBuild DownloadBuildFullLog	This API is used to download all build logs.	Go debug
Obtaining Build Logs After Task Execution	hcloud CodeArtsBuild ShowActionInfo	This API is used to obtain build logs after task execution.	Go debug

GroupManager

API Name	Command	Description	Operation
Modifying Group Information	hcloud CodeArtsBuild UpdateJobGroup	This API is used to modify group information.	Go debug
Querying a Group Tree	hcloud CodeArtsBuild ListGroupTree	This API is used to query a group tree.	Go debug
Swapping Group Order	hcloud CodeArtsBuild SwitchedPacket	This API is used to swap group order.	Go debug
Moving Build Tasks to a Specified Group	hcloud CodeArtsBuild MoveGroup	This API is used to move build tasks to a specified group.	Go debug
Deleting a Group	hcloud CodeArtsBuild DeleteGroup	This API is used to delete a group.	Go debug
Creating a Build Task Group	hcloud CodeArtsBuild CreateJobGroup	This API is used to create a build task group.	Go debug