

CodeArts Artifact

API 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 CodeArts Artifact in API Explorer to manage and use your CodeArts Artifact 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 **querying the release repo version list** of CodeArts Artifact 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 Artifact, 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 release repo version list**.

```
hcloud CodeArtsArtifact ShowVersionList --cli-region="cn-north-1" --  
project_id="8e467d4c679c4519ac2d582e316a8aa0"
```

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 release repo version list**.

```
{  
  "status": "success",  
  "trace_id": "508960-1789008687410-4030",  
  "result": [  
    {  
      "category": "--",  
      "build_version": "latest",  
      "files_count": 3  
    },  
    {  
      "category": "test",  
      "build_version": "1.0",  
      "files_count": 16  
    }  
  ]  
}
```

2 CLI Command Reference

2.1 CLI Command Reference

trashcan

API Name	Command	Description	Operation
Restore components in the recycle bin in batches	hcloud CodeArtsArtifact BatchRestoreRepo	Restore components in the recycle bin in batches	Go debug
Delete components in the recycle bin in batches	hcloud CodeArtsArtifact BatchDeleteTrash-es	Delete components in the recycle bin in batches	Go debug

repository_management

API Name	Command	Description	Operation
Create a Maven repository	hcloud CodeArtsArtifact CreateMavenRepo	Create a Maven repository	Go debug
Edit a repository	hcloud CodeArtsArtifact ModifyRepository	Edit a repository	Go debug
View repository information	hcloud CodeArtsArtifact ShowRepositoryInfo	View repository information	Go debug

API Name	Command	Description	Operation
Create a Docker repository	hcloud CodeArtsArtifact CreateDockerRepositories	Create a Docker repository	Go debug
Move a repository to the recycle bin	hcloud CodeArtsArtifact DeleteRepository	Move a repository to the recycle bin	Go debug
Query the Maven repository list and account password of a tenant. Cross-tenant Maven repository list and account password are supported	hcloud CodeArtsArtifact ShowMavenInfo	Query the Maven repository list and account password of a tenant. Cross-tenant Maven repository list and account password are supported	Go debug
Create a non-Maven repository	hcloud CodeArtsArtifact CreateArtifactory	Create a non-Maven repository	Go debug
Edit non-Maven repository information	hcloud CodeArtsArtifact UpdateArtifactory	Edit non-Maven repository information	Go debug

repository_association

API Name	Command	Description	Operation
Query repositories associated with projects	hcloud CodeArtsArtifact ShowProjectList	Query repositories associated with projects	Go debug
Associate a project with a repository	hcloud CodeArtsArtifact CreateProjectRelatedRepository	Associate a project with a repository	Go debug

repository_capacity

API Name	Command	Description	Operation
Query repository usage	hcloud CodeArtsArtifact ShowStorage	Query repository usage	Go debug

Searching

API Name	Command	Description	Operation
Search for files using checksum	hcloud CodeArtsArtifact SearchByChecksum	Search for files using checksum	Go debug
Coordinated search	hcloud CodeArtsArtifact SearchArtifacts	Coordinated search	Go debug
Querying the Network Proxy List	hcloud CodeArtsArtifact ListNetProxy	Query the network proxy list.	Go debug

user_management

API Name	Command	Description	Operation
Reset a user password	hcloud CodeArtsArtifact ResetUserPassword	Reset a user password	Go debug

repository_details

API Name	Command	Description	Operation
Skip the number of artifacts in the repository when querying repository details	hcloud CodeArtsArtifact ListAllRepositories	Skip the number of artifacts in the repository when querying repository details	Go debug
Collect the number of artifacts in the repository when querying details about a repository	hcloud CodeArtsArtifact ShowRepository	Collect the number of artifacts in the repository when querying details about a repository	Go debug
Query storage capacity trend	hcloud CodeArtsArtifact ListArtifactoryStorageStatistic	Query storage capacity trend	Go debug

audit_logs

API Name	Command	Description	Operation
Query audit logs about a repository or file	hcloud CodeArtsArtifact ShowAudit	Query audit logs about a repository or file	Go debug

Following

API Name	Command	Description	Operation
Follow/unfollow components	hcloud CodeArtsArtifact CreateAttention	Follow/unfollow components	Go debug
Query the following list	hcloud CodeArtsArtifact ListAttentions	Query the following list	Go debug

file_management

API Name	Command	Description	Operation
Query the repository folder directory	hcloud CodeArtsArtifact ShowFileTree	Query the repository folder directory	Go debug
Query repository file details	hcloud CodeArtsArtifact ListArtifactory- Component	Query repository file details	Go debug
Non-Maven file deletion	hcloud CodeArtsArtifact DeleteArtifactFile	Non-Maven file deletion	Go debug

Viewing Permissions

API Name	Command	Description	Operation
Querying Permissions of a User for a Project	hcloud CodeArtsArtifact ShowUserPrivileges	This API is used to query permissions of a user for a project.	Go debug

File Management (Release Repos)

API Name	Command	Description	Operation
Querying the File or Project List	hcloud CodeArtsArtifact ListFiles	Query the file or project list.	Go debug
Querying Details about a File	hcloud CodeArtsArtifact ShowFileDetail	Query details about a file.	Go debug
Querying Details about a File	hcloud CodeArtsArtifact ShowFileDetailBy-FullName	Query details about a file.	Go debug

Permissions Management

API Name	Command	Description	Operation
Querying User Permissions	hcloud CodeArtsArtifact ListUserPrivileges	This API is used to query the roles and permissions of a user in a project, such as creating and editing a repository, uploading, downloading, importing, and exporting packages.	Go debug

Repository Management

API Name	Command	Description	Operation
Querying Maven Repositories	hcloud CodeArtsArtifact ListMavenList	Query Maven repositories.	Go debug
Obtaining Proxy Repositories in a Virtual Repository	hcloud CodeArtsArtifact ListChildProxyRe- positoriesList	Obtain proxy repositories in a virtual repository.	Go debug

API Name	Command	Description	Operation
Querying Project List	hcloud CodeArtsArtifact ShowProjectRelatedRepository	This API is used to quickly query the project list, including the association between repositories and projects, for repository management and collaboration.	Go debug

Version Management (Release Repos)

API Name	Command	Description	Operation
Querying the Latest Versions of All Files in a Project	hcloud CodeArtsArtifact ShowLatestVersionFilesCount	Query the latest versions of all files in a project.	Go debug
Querying the Latest Versions of All Files in a Project	hcloud CodeArtsArtifact ListLatestVersionFiles	Query the latest versions of all files in a project.	Go debug
Querying the Release Repo Version List	hcloud CodeArtsArtifact ShowVersionList	When there are many release repo versions, you can query the versions of the release repo by project ID on different pages. This API is used for fuzzy search by version name.	Go debug
Querying Versions of a Project	hcloud CodeArtsArtifact ShowProjectVersionsCount	When there are many versions in release repos, you can query the number of versions in release repos by project ID to manage and track the release of different versions. You can also use this API to filter versions by version name.	Go debug

file_query

API Name	Command	Description	Operation
Get a list of file version information under the project	hcloud CodeArtsArtifact ShowReleaseProjectFiles	Get a list of file version information under the project	Go debug
Get a list of file version information under the project	hcloud CodeArtsArtifact ShowProjectReleaseFiles	Get a list of file version information under the project	Go debug

User Management

API Name	Command	Description	Operation
Querying Users in a Project	hcloud CodeArtsArtifact ListProjectUsers	Query users in a project.	Go debug
Querying the Tenant IP Address Whitelist	hcloud CodeArtsArtifact ListDomainIpConfig	Query the tenant IP address whitelist.	Go debug
Querying Repository Permissions	hcloud CodeArtsArtifact ShowRepositoryRolesPrivilege	Query repository permissions.	Go debug
Querying the Password of a Tenant's Repository	hcloud CodeArtsArtifact ShowRepoUserInfo	Query the password of a tenant's repository.	Go debug
Updating Repository Permissions	hcloud CodeArtsArtifact UpdateRepoRolesPrivilege	Update repository permissions.	Go debug
Querying the User List of Self-Hosted Repos	hcloud CodeArtsArtifact ListMavenUser	Query the user list of self-hosted repos.	Go debug

Artifact Security

API Name	Command	Description	Operation
Querying the Artifact Security Scanning Tasks	hcloud CodeArtsArtifact ListSecGuardList	Query the artifact security scanning tasks.	Go debug

Central Repository

API Name	Command	Description	Operation
Check whether the central repository is enabled or not.	hcloud CodeArtsArtifact ShowOpenSource Enabled	Check whether the central repository is enabled or not.	Go debug

Permission Management

API Name	Command	Description	Operation
Querying User Tickets	hcloud CodeArtsArtifact ShowUserTicket	Query user tickets.	Go debug

Permission Management (Release Repos)

API Name	Command	Description	Operation
Viewing Role Permissions of a Project	hcloud CodeArtsArtifact ListProjectRole- Permissions	View role permissions of a project.	Go debug
Querying Permissions of a Multi-Role User	hcloud CodeArtsArtifact ShowMultiRolesU- serPermissions	Query permissions of a multi-role user.	Go debug

Release Repos Settings

API Name	Command	Description	Operation
Querying Tenant Capacity Notification Settings	hcloud CodeArtsArtifact ListCapacityMes- sageSetting	Query tenant capacity notification settings.	Go debug

Repository Capacity (Release Repos)

API Name	Command	Description	Operation
Tenant Storage Capacity (Release Repos)	hcloud CodeArtsArtifact ShowDomainRele- aseRepoStorage	Tenant storage capacity (Release Repos)	Go debug
Querying the Storage Capacity in a Project	hcloud CodeArtsArtifact ShowProjectStora- geInfo	Query the storage capacity in a project.	Go debug