

CodeArts Check

API Reference

Issue	01
Date	2026-09-18



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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 Check in API Explorer to manage and use your CodeArts Check 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 task execution status** of CodeArts Check 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 Check, 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 task execution status**.

```
hcloud CodeCheck ShowProgressDetail --cli-region="cn-north-1" --  
task_id="b8dd780b771741dd872ed150a8205b8e"
```

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 task execution status**.

```
{  
  "task_status": 2,  
  "progress": {  
    "ratio": "100%",  
    "info": "success"  
  }  
}
```

2 CLI Command Reference

2.1 CLI Command Reference

2.1 CLI Command Reference

Task Management

API Name	Command	Description	Operation
Creating a Check Task	hcloud CodeArtsCheck CreateTask	Create a check task but do not execute it.	Go debug
Deleting a Check Task	hcloud CodeArtsCheck DeleteTask	This interface is used to delete a check task. A task that is being executed cannot be viewed.	Go debug
Querying the task list	hcloud CodeArtsCheck ShowTaskListByProjectId	Query the task list of the project based on DEVCLOUD_PROJECT_UUID.	Go debug
Executing a Check Task	hcloud CodeArtsCheck RunTask	Execute the check task.	Go debug
Stopping a Check Task	hcloud CodeArtsCheck StopTaskById	This interface is used to terminate a check task based on the task ID.	Go debug

API Name	Command	Description	Operation
Querying the Task Execution Status	hcloud CodeArtsCheck ShowProgressDetail	Query the task execution status based on the task ID. Task status: 0 indicates that the task is being checked, 1 indicates that the check fails, 2 indicates that the check is successful, and 3 indicates that the task is stopped. The detailed progress information is displayed only when the check is in progress.	Go debug
Querying Historical Scan Results	hcloud CodeArtsCheck CheckRecord	Provides statistics on the number of issues scanned each time.	Go debug
Querying the Selected Rule Sets of a Task	hcloud CodeArtsCheck ListTaskRuleset	List of selected rule sets of a query task.	Go debug
Querying the Selected Rule Sets of a Task	hcloud CodeArtsCheck ShowTasksRulesets	List of selected rule sets of a query task.	Go debug
Querying the Check Parameters of a Task Rule Set	hcloud CodeArtsCheck CheckParameters	Querying the Check Parameters of a Task Rule Set	Go debug
Querying the Check Parameters of a Task Rule Set	hcloud CodeArtsCheck CheckRulesetParameters	Querying the Check Parameters of a Task Rule Set	Go debug
Task Configuration Check Parameters	hcloud CodeArtsCheck ListTaskParameter	Task Configuration Check Parameters	Go debug
Modifying a Task Rule Set	hcloud CodeArtsCheck UpdateTaskRuleSet	Modify a task rule set.	Go debug

API Name	Command	Description	Operation
Querying Task Check Failure Logs	hcloud CodeArtsCheck ShowTasklog	This interface is used to query task check failure logs. If execute_id is not transferred, the latest check log is queried.	Go debug
Obtaining the Directory Tree of a Task	hcloud CodeArtsCheck ShowTaskPathTree	Obtains the directory tree of a task.	Go debug
Shielding a Directory in Task Configuration	hcloud CodeArtsCheck UpdateIgnorePath	Shielded directory for task configuration.	Go debug
Querying Advanced Settings of a Task	hcloud CodeArtsCheck ShowTaskSettings	Advanced settings of a query task.	Go debug
Configuring Advanced Settings for a Task	hcloud CodeArtsCheck UpdateTaskSettings	Configures advanced settings for a task, such as custom image.	Go debug

Defect Management

API Name	Command	Description	Operation
Query Defect Summary	hcloud CodeArtsCheck ShowTaskDetail	Query the summary of the defect result based on the check task ID. Including the problem overview, problem status, cyclomatic complexity, and code repetition rate.	Go debug
Querying the cmertrics Defect Summary	hcloud CodeArtsCheck ShowTaskCmetrics	Query the cmertrics defect summary based on the check task ID.	Go debug
Querying Defect Details	hcloud CodeArtsCheck ShowTaskDefects	This API is used to query defect result details by check task ID in pagination mode.	Go debug

API Name	Command	Description	Operation
Querying Defect Details Statistics	hcloud CodeArtsCheck ShowTaskDefects-Statistic	This interface is used to query defect details based on the check task ID.	Go debug
Modify Defect Status	hcloud CodeArtsCheck UpdateDefectStatus	Change the status of detected defects to Resolved or Ignored.	Go debug

Rule Management

API Name	Command	Description	Operation
Interface for Obtaining the Rule List	hcloud CodeArtsCheck ListRules	This API queries the rule list based on conditions such as the language and problem level.	Go debug
Creating a User-Defined Rule Set	hcloud CodeArtsCheck CreateRuleset	Rules can be flexibly combined as required.	Go debug
Querying the Rule Set List	hcloud CodeArtsCheck ListRulesets	This API is used to query the rule set list based on conditions such as the project ID and language.	Go debug
Viewing the Rule List of a Rule Set	hcloud CodeArtsCheck ListTemplateRules	This API is used to query the rule list based on conditions such as the project ID and rule set ID.	Go debug
Deleting a User-Defined Rule Set	hcloud CodeArtsCheck DeleteRuleset	This interface is used to delete a user-defined rule set. The rule set in use or the default rule set cannot be deleted.	Go debug
Set the default rule set configuration for the language corresponding to each project.	hcloud CodeArtsCheck SetDefaultTemplate	Set the default rule set configuration for the language corresponding to each project.	Go debug