

08 AOM 2.0 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/>

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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 open APIs of Application Operations Management (AOM) in API Explorer to manage and use your AOM 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 metric query API of AOM 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 AOM, 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 metric query API.

```
hcloud AOM ListMetricItems --cli-region="cn-north-4" --Content-Type="application/json"
```

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 metric query API.

```
{  
  "errorCode": "SVCSTG_AMS_2000000",  
  "errorMessage": "success",  
  "metaData": {  
    "count": 0,  
    "offset": 0,  
    "total": 0,  
    "nextToken": 0  
  },  
  "metrics": []  
}
```

2 CLI Command Reference

Monitoring

API Name	Command	Description	Operation
Querying Time Series Objects	hcloud AOM ListSeries	This API is used to query the time series objects that can be monitored in the system. You can specify a namespace, name, dimension, and resource ID (format: resType_resId). You can also specify the start position and the maximum number of returned records for a pagination query.	Go debug
Querying Time Series Data	hcloud AOM ListSample	This API is used to query time series data within a specified period. You can specify a dimension or period to query.	Go debug

API Name	Command	Description	Operation
Querying Metrics	hcloud AOM ListMetricItems	This API is used to query the metrics that can be monitored in the system. You can query specific metrics by specifying a namespace, metric name, dimension, and resource ID (format: resType_resId). You can also specify the start position and the maximum number of returned records for a pagination query.	Go debug
Querying Monitoring Data	hcloud AOM ShowMetricsData	This API is used to query monitoring data of metrics within a specified period. You can specify a dimension or period to query.	Go debug
Adding Monitoring Data	hcloud AOM AddMetricData	This API is used to add one or more monitoring data records to a server.	Go debug
Adding or Modifying One or More Service Discovery Rules	hcloud AOM AddOrUpdateServiceDiscoveryRules	This API is used to add or modify one or more service discovery rules. A maximum of 100 rules can be added to a project.	Go debug
Deleting a Service Discovery Rule	hcloud AOM DeleteServiceDiscoveryRules	This API is used to delete a service discovery rule.	Go debug
Querying Existing Service Discovery Rules	hcloud AOM ListServiceDiscoveryRules	This API is used to query existing service discovery rules in the system.	Go debug
Adding a Threshold Rule	hcloud AOM AddAlarmRule	This API is used to add a threshold rule.	Go debug
Querying the Threshold Rule List	hcloud AOM ListAlarmRule	This API is used to query the threshold rule list.	Go debug

API Name	Command	Description	Operation
Modifying a Threshold Rule	hcloud AOM UpdateAlarmRule	This API is used to modify a threshold rule.	Go debug
Deleting a Threshold Rule	hcloud AOM DeleteAlarmRule	This API is used to delete a threshold rule.	Go debug
Querying a Threshold Rule	hcloud AOM ShowAlarmRule	This API is used to query a threshold rule.	Go debug
Deleting Threshold Rules in Batches	hcloud AOM DeleteAlarmRules	This API is used to delete threshold rules in batches.	Go debug

CMDB (AOM 2.0)

API Name	Command	Description	Operation
Creating an Application	hcloud AOM CreateApp	This API is used to create an application.	Go debug
Querying the Details of an Application Based on the Application Name	hcloud AOM ShowAppByName	This API is used to query the details of an application.	Go debug
Deleting an Application	hcloud AOM DeleteApp	This API is used to delete an application.	Go debug
Querying the Details of an Application	hcloud AOM ShowApp	This API is used to obtain the details of an application.	Go debug
Modifying an Application	hcloud AOM UpdateApp	This API is used to modify an application.	Go debug
Adding a Component	hcloud AOM CreateComponent	This API is used to add a component.	Go debug
Deleting a Component	hcloud AOM DeleteComponent	This API is used to delete a component.	Go debug
Querying the Details of a Component	hcloud AOM ShowComponent	This API is used to query the details of a component.	Go debug
Modifying a Component	hcloud AOM UpdateComponent	This API is used to modify a component.	Go debug

API Name	Command	Description	Operation
Creating an Environment	hcloud AOM CreateEnv	This API is used to create an environment.	Go debug
Deleting an Environment	hcloud AOM DeleteEnv	This API is used to delete an environment.	Go debug
Querying the Details of an Environment	hcloud AOM ShowEnv	This API is used to query the details of an environment.	Go debug
Modifying an Environment	hcloud AOM UpdateEnv	This API is used to modify an environment.	Go debug
Querying the Resource List of a Node	hcloud AOM ListResourceUnder Node	This API is used to query the resource list of a node.	Go debug
Querying the Details of a Component Based on the Component Name	hcloud AOM ShowComponentBy Name	This API is used to query the details of a component based on the component name.	Go debug
Querying the Details of an Environment Based on the Environment Name	hcloud AOM ShowEnvByName	This API is used to query the details of an environment.	Go debug
Adding a Sub-application	hcloud AOM CreateSubApp	This API is used to add a sub-application.	Go debug
Deleting a Sub-application	hcloud AOM DeleteSubApp	This API is used to delete a sub-application.	Go debug
Modifying a Sub-application	hcloud AOM UpdateSubApp	This API is used to modify a sub-application.	Go debug

Prometheus Monitoring

API Name	Command	Description	Operation
Querying Expression Calculation Results in a Specified Period Using the GET Method	hcloud AOM ListRangeQueryAomPromGet	This API is used to query the calculation results of a PromQL expression in a specified period using the GET method.	Go debug
(Recommended) Querying Expression Calculation Results in a Specified Period Using the POST Method	hcloud AOM ListRangeQueryAomPromPost	This API is used to query the calculation results of a PromQL expression in a specified period using the POST method.	Go debug
Querying the Expression Calculation Result at a Specified Time Point Using the GET Method	hcloud AOM ListInstantQueryAomPromGet	This API is used to query the calculation result of a PromQL expression at a specified time point using the GET method.	Go debug
(Recommended) Querying Expression Calculation Results at a Specified Time Point Using the POST Method	hcloud AOM ListInstantQueryAomPromPost	This API is used to query the calculation result of a PromQL expression at a specified time point using the POST method.	Go debug
Querying Tag Values	hcloud AOM ListLabelValuesAomPromGet	This API is used to query the values of a specified tag.	Go debug
Obtaining the Tag Name List Using the GET Method	hcloud AOM ListLabelsAomPromGet	This API is used to obtain the tag name list using the GET method.	Go debug
(Recommended) Obtaining the Tag Name List Using the POST Method	hcloud AOM ListLabelsAomPromPost	This API is used to obtain the tag name list using the POST method.	Go debug

API Name	Command	Description	Operation
Querying Metadata	hcloud AOM ListMetadataAom PromGet	This API is used to query the metadata of time series and corresponding tags.	Go debug

Log

API Name	Command	Description	Operation
Querying Logs	hcloud AOM ListLogItems	This API is used to query logs by different dimensions, such as by cluster, IP address, or application. Pagination queries are supported.	Go debug

Alarm

API Name	Command	Description	Operation
Querying Events and Alarms	hcloud AOM ListEvents	This API is used to query events and alarms of a user.	Go debug
Counting Events and Alarms	hcloud AOM CountEvents	This API is used to count events and alarms that meet specified conditions.	Go debug
Reporting Events and Alarms	hcloud AOM PushEvents	This API is used to report events and alarms to AOM. It is also used to clear alarms.	Go debug
Obtaining the Alarm Sending Result	hcloud AOM ListNotifiedHistories	This API is used to obtain the alarm sending result.	Go debug
Deleting a Silence Rule	hcloud AOM DeleteMuteRules	This API is used to delete a silence rule.	Go debug
Adding a Silence Rule	hcloud AOM AddMuteRules	This API is used to add a silence rule.	Go debug
Modifying a Silence Rule	hcloud AOM UpdateMuteRule	This API is used to modify a silence rule.	Go debug

API Name	Command	Description	Operation
Obtaining the Silence Rule List	hcloud AOM ListMuteRule	This API is used to obtain the silence rule list.	Go debug
Querying an Alarm Action Rule Based on Rule Name	hcloud AOM ShowActionRule	This API is used to query an alarm action rule based on the rule name.	Go debug
Adding an Alarm Action Rule	hcloud AOM AddActionRule	This API is used to add an alarm action rule.	Go debug
Deleting an Alarm Action Rule	hcloud AOM DeleteActionRule	This API is used to delete an alarm action rule.	Go debug
Modifying an Alarm Action Rule	hcloud AOM UpdateActionRule	This API is used to modify an alarm action rule.	Go debug
Querying the Alarm Action Rule List	hcloud AOM ListActionRule	This API is used to query the alarm action rule list.	Go debug
Querying the Event Alarm Rule List	hcloud AOM ListEvent2alarmRule	This API is used to query the event alarm rule list.	Go debug
Adding an Event Alarm Rule	hcloud AOM AddEvent2alarmRule	This API is used to add an event alarm rule.	Go debug
Modifying an Event Alarm Rule	hcloud AOM UpdateEventRule	This API is used to modify an event alarm rule.	Go debug
Deleting an Event Alarm Rule	hcloud AOM DeleteEvent2alarmRule	This API is used to delete an event alarm rule.	Go debug
Querying Metric or Event Alarm Rules	hcloud AOM ListMetricOrEventAlarmRule	This API is used to query AOM 2.0 metric or event alarm rules.	Go debug
Adding or Modifying Metric or Event Alarm Rules	hcloud AOM AddOrUpdateMetricOrEventAlarmRule	This API is used to add or modify AOM 2.0 metric or event alarm rules.	Go debug
Deleting Metric or Event Alarm Rules	hcloud AOM DeleteMetricOrEventAlarmRule	This API is used to delete AOM 2.0 metric or event alarm rules.	Go debug

API Name	Command	Description	Operation
Querying the Message Template List	hcloud AOM ListNotification-Templates	This API is used to query the message template list.	Go debug
Deleting a Message Template	hcloud AOM DeleteNotification Template	This API is used to delete a message template.	Go debug
Adding a Message Template	hcloud AOM CreateNotification Template	This API is used to add a message template.	Go debug
Modifying a Message Template	hcloud AOM UpdateNotificationTemplate	This API is used to modify a message template.	Go debug
Querying a Message Template Based on the Template Name	hcloud AOM ListNotification-TemplateByName	This API is used to query a message template based on the template name.	Go debug
Deleting an Alarm Template	hcloud AOM DeleteAlarmRule-Template	This API is used to delete an alarm template.	Go debug
Querying the Alarm Template List	hcloud AOM ListAlarmRuleTemplate	This API is used to query the alarm template list.	Go debug

Prometheus Instance

API Name	Command	Description	Operation
Uninstalling a Hosted Prometheus Instance	hcloud AOM DeletePromInstance	This API is used to uninstall a hosted Prometheus instance.	Go debug
Querying a Prometheus Instance	hcloud AOM ListPromInstance	This API is used to query a Prometheus instance.	Go debug
Adding a Prometheus Instance	hcloud AOM CreatePromInstance	This API is used to add a Prometheus instance.	Go debug
Modifying a Prometheus Instance	hcloud AOM UpdatePromInstance	This API is used to modify a Prometheus instance.	Go debug

API Name	Command	Description	Operation
Creating a Recording Rule for a Prometheus Instance	hcloud AOM CreateRecording-Rule	This API is used to create a recording rule for a Prometheus instance.	Go debug
Obtaining the Credential for Calling a Prometheus Instance	hcloud AOM ListAccessCode	This API is used to obtain the credential for calling a Prometheus instance.	Go debug

Configuration Management

API Name	Command	Description	Operation
Querying the Cloud Services for Which AOM 2.0 Has Been Granted Permissions	hcloud AOM ListPermissions	This API is used to query the cloud services for which AOM 2.0 has been granted permissions.	Go debug
Querying the ICAgent Installed on a Host	hcloud AOM ListAgents	This API is used to query the ICAgent installed on a cluster host or a custom host.	Go debug

Dashboard

API Name	Command	Description	Operation
Querying the Dashboard List	hcloud AOM ListDashBoards	This API is used to query the dashboard list.	Go debug
Deleting a Dashboard	hcloud AOM DeleteDashboard	This API is used to delete a dashboard.	Go debug
Querying Dashboard Details	hcloud AOM ShowDashBoard	This API is used to query dashboard details.	Go debug
Querying the Dashboard Group List	hcloud AOM ListDashboardsFolder	This API is used to query the dashboard group list.	Go debug
Deleting a Dashboard Group	hcloud AOM DeleteDashboardsFolder	This API is used to delete a dashboard group.	Go debug