

Application Performance Management 2.0

CLI 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 Application Performance Management (APM) in API Explorer to manage and use your APM 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 parameters 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 collection status change API of APM 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 APM, 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 collection status change API.

```
hcloud APM ChangeAgentStatus --cli-region="cn-north-4" --x-business-id="1097" --  
Authorization=***** --instance_list="1097" --target_status="1" --region="cn-north-4"
```

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 collection status change API.

```
{  
  "flag": "ok"  
}
```

2 CLI Command Reference

APM

API Name	Command	Description	Operation
Querying the application list.	hcloud APM ListBusiness	This API is used to query the application list.	Go debug
Querying the Master Address	hcloud APM ShowMasterAddress	This API is used to obtain the PodLB address of the master service based on the region name.	Go debug
Obtaining the AK/SK	hcloud APM ListAkSk	This API is used to obtain the created AK/SK.	Go debug
Searching for Components, Environments, and Agents in a Region	hcloud APM SearchApplication	This API is used to search for components, environments, and Agents in a region.	Go debug
Saving a Monitoring Item	hcloud APM SaveMonitorItem-Config	This API is used to save a monitoring item.	Go debug
Querying the Monitoring Item List	hcloud APM ListEnvMonitorItem	This API is used to query the monitoring item list.	Go debug
Querying All Agents of an Application	hcloud APM SearchAgent	This API is used to query all Agents of an application.	Go debug

API Name	Command	Description	Operation
Enabling or Disabling Collection for an Instance	hcloud APM ChangeAgentStatus	This API is used to enable or disable collection for a specified instance.	Go debug
Deleting an Agent	hcloud APM DeleteAgent	This API is used to delete an Agent.	Go debug

REGION

API Name	Command	Description	Operation
Querying the Regions Where APM Is Enabled	hcloud APM ListOpenRegion	This API is used to query the regions where APM is enabled.	Go debug
Querying All Supported Regions	hcloud APM ListSupportedRegion	This API is used to query all supported regions.	Go debug

CMDB

API Name	Command	Description	Operation
Obtaining an Application Tree	hcloud APM ShowTopologyTree	This API is used to obtain an application tree.	Go debug
Querying Environment Tags	hcloud APM ListEnvTags	This API is used to query environment tags.	Go debug
Obtaining the Component List	hcloud APM ListApps	This API is used to obtain the component list.	Go debug
Obtaining the Environment List of a Component	hcloud APM ListAppEnvs	This API is used to obtain the environment list of a component.	Go debug
Deleting a Component Based on the Component ID	hcloud APM DeleteApp	This API is used to delete a specified component.	Go debug

API Name	Command	Description	Operation
Querying the Details About an Application	hcloud APM ShowBusinessDetail	This API is used to query the details about an application.	Go debug
Querying the Details About a Sub-application	hcloud APM ShowSubBusinessDetail	This API is used to query the details about a sub-application.	Go debug

VIEW

API Name	Command	Description	Operation
Querying Monitoring Item Configurations	hcloud APM ShowMonitorItemViewConfig	This API is used to query monitoring item configurations.	Go debug
Querying the Trace Topology	hcloud APM ShowTopology	This API is used to query the trace topology.	Go debug
Querying Event Details	hcloud APM ShowEventDetail	This API is used to query event details.	Go debug
Querying Span Data	hcloud APM ShowSpanSearch	This API is used to query span data.	Go debug
Obtaining All Data of a Trace	hcloud APM ShowTraceEvents	This API is used to obtain all data of a trace.	Go debug
Obtaining the Trend Graph	hcloud APM ShowTrend	This API is used to obtain the trend graph.	Go debug
Obtaining Summary Table Data	hcloud APM ShowSumTable	This API is used to obtain summary table data.	Go debug
Obtaining the Raw Data Table	hcloud APM ShowRawTable	This API is used to obtain the raw data table.	Go debug
Obtaining Raw Data Details	hcloud APM ShowClobDetail	This API is used to obtain raw data details.	Go debug
Obtaining the Instance Information	hcloud APM ListEnvInstances	This API is used to obtain the instance information.	Go debug

API Name	Command	Description	Operation
Obtaining the Monitoring Item Information	hcloud APM ShowEnvMonitorItems	This API is used to obtain the monitoring item information.	Go debug
Obtaining the Details About a Monitoring Item	hcloud APM ShowMonitorItemDetail	This API is used to obtain the details about a monitoring item.	Go debug

AKSK

API Name	Command	Description	Operation
Creating an AK/SK	hcloud APM CreateAkSk	Create an AK/SK.	Go debug
Querying the AK/SK of a Tenant	hcloud APM ShowAkSks	This API is used to query the AK/SK of a tenant.	Go debug
Deleting an AK/SK	hcloud APM DeleteAkSk	This API is used to delete an AK/SK.	Go debug

ALARM

API Name	Command	Description	Operation
Querying the Alarm List	hcloud APM ListAlarmData	This API is used to query the alarm list.	Go debug
Querying the Alarm Message List	hcloud APM ListAlarmNotify	Query the trigger details and history of an alarm.	Go debug

TOPOLOGY

API Name	Command	Description	Operation
Querying the Global Topology of an Application	hcloud APM SearchBusinessTopology	This API is used to query the global topology of an application.	Go debug

API Name	Command	Description	Operation
Querying the Topology of a Component Environment	hcloud APM SearchEnvTopology	This API is used to query the topology of a component environment.	Go debug

TRANSACTION

API Name	Command	Description	Operation
Querying the URL Tracing Configuration List	hcloud APM SearchTransactionConfig	This API is used to query the URL tracing configuration list.	Go debug
Querying a Region's Environments on Which URLs Are Added for Tracing	hcloud APM ListBusinessEnv	This API is used to query a region's environments on which URLs are added for tracing.	Go debug
Querying the URL Tracing View List	hcloud APM SearchTransaction	This API is used to query the list of URL tracing views.	Go debug
Querying the Details About a URL Tracing View	hcloud APM ShowTransaction-Detail	This API is used to query the details about a URL tracing view.	Go debug

TRACING

API Name	Command	Description	Operation
Creating an Application for Tracing	hcloud APM CreateTracingBusiness	This API is used to create an application for tracing.	Go debug
Obtaining the Token of an Application for Tracing	hcloud APM ShowTracingToken	This API is used to obtain the token of an application for tracing.	Go debug
Obtaining the Access Address of an Application for Tracing	hcloud APM ShowTracingAccessPoint	This API is used to obtain the access address of an application for tracing.	Go debug

Profiling

API Name	Command	Description	Operation
Querying a Line-Level Flame Graph	hcloud APM ShowFlameLineTree	This API is used to query a line-level flame graph.	Go debug

WebMonitor

API Name	Command	Description	Operation
Uploading a Source Map File for Web Monitoring	hcloud APM UploadSourceMap	This API is used to upload a source map file for web monitoring.	Go debug