

Cloud Application Engine

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 CAE in API Explorer to manage and use your CAE 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 environment query API of CAE 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 CAE, 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 environment query API.

```
hcloud CAE ListEnvironments --cli-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 environment query API.

```
{
  "api_version": "v1",
  "kind": "Environment",
  "items": [
    {
      "id": "13eb5a22-7dfb-4c3f-a3cf-2f2c8993a3b7",
      "name": "test6066",
      "version": "1.2.9",
      "job_id": "1dcae2e2-ad0a-4b51-a02b-1711db5b5a62",
      "status": "hibernation",
      "annotations": {
        "cluster_id": "",
        "egress_subnet_id": "",
        "elb_id": "",
        "engine_id": "7aab991a-4880-4cbd-b901-90e83171f0e7",
        "enterprise_project_id": "0",
        "env_category": "v2",
        "group_name": "XXX",
        "inbound_eip_addr": "XX.XX.XX.XX",
        "namespace": "0f1d63462100f3242f31c00a4a1d35ea-test6066",
        "public_elb_id": "",
        "runtime_platform": "",
        "security_group_id": "20015894-ae6a-4b0d-b133-61c05847a906",
        "subnet_id": "37198c18-e568-4e89-aaaa-1778bc4e3c5c",
        "type": "exclusive",
        "vpc_id": "25513e23-4d2d-4316-9b1c-583c957af282"
      },
      "created_at": "2025-01-09T12:10:35.824816Z",
      "updated_at": "2025-03-24T21:06:18.875448Z"
    }
  ]
}
```

```
]
}
```

2 CLI Command Reference

Environment.

API Name	Command	Description	Operation
Obtaining the Environment List	hcloud CAE ListEnvironments	Obtain the environment list.	Go debug
Creating an Environment	hcloud CAE CreateEnvironment	This API is used to create an environment.	Go debug
Deleting an Environment	hcloud CAE DeleteEnvironment	Delete an environment.	Go debug

Application.

API Name	Command	Description	Operation
Obtaining the Application List	hcloud CAE ListApplications	Obtain the application list.	Go debug
Creating an Application	hcloud CAE CreateApplication	This API is used to create an application.	Go debug
Obtaining the Details of an Application	hcloud CAE ShowApplication	Obtain the details of an application.	Go debug
Deleting an Application	hcloud CAE DeleteApplication	Delete an application.	Go debug

Component.

API Name	Command	Description	Operation
Creating a Component	hcloud CAE CreateComponent	This API is used to create a component.	Go debug
Obtaining the Component List	hcloud CAE ListComponents	Obtain the component list.	Go debug
Obtaining the Details of a Component	hcloud CAE ShowComponent	Obtain the details of a component.	Go debug
Updating a Component	hcloud CAE UpdateComponent	Update a component.	Go debug
Deleting a Component	hcloud CAE DeleteComponent	Delete a component.	Go debug
Performing Operations on a Component	hcloud CAE ExecuteAction	This API is used to perform operations (such as deploy, upgrade, restart, stop, start, scale, configure, and roll back) on a component.	Go debug
Obtaining the Component Snapshot List	hcloud CAE ListComponentSnapshots	Obtain the component snapshot list.	Go debug
Obtaining the Component Instance List	hcloud CAE ListComponentInstances	Obtain the component instance list.	Go debug

Component configuration.

API Name	Command	Description	Operation
Obtaining the Component Configuration List	hcloud CAE ListComponentConfigurations	Obtain the component configuration list.	Go debug
Adding a Component Configuration	hcloud CAE CreateComponentConfiguration	This API is used to add a component configuration.	Go debug
Deleting a Component Configuration	hcloud CAE DeleteComponentConfiguration	Delete the component configuration.	Go debug

Cloud storage.

API Name	Command	Description	Operation
Obtaining the Cloud Storage List	hcloud CAE ListVolumes	Obtain the cloud storage list.	Go debug
Authorizing Cloud Storage	hcloud CAE CreateVolume	This API is used to authorize cloud storage.	Go debug
Unbinding Cloud Storage	hcloud CAE DeleteVolume	Unbind cloud storage.	Go debug

Agency.

API Name	Command	Description	Operation
Obtaining the Agency List	hcloud CAE ListAgencies	Obtain the agency list.	Go debug
Creating an Agency	hcloud CAE CreateAgency	This API is used to create an agency.	Go debug

Job.

API Name	Command	Description	Operation
Obtaining Job Details	hcloud CAE ShowJob	Obtain job details.	Go debug
Retrying a Job	hcloud CAE RetryJob	This API is used to retry a job.	Go debug

Domain name.

API Name	Command	Description	Operation
Obtaining the Domain Name List	hcloud CAE ListDomains	Obtain the domain name list.	Go debug
Creating a Domain Name	hcloud CAE CreateDomain	This API is used to create a domain name.	Go debug
Deleting a Domain Name	hcloud CAE DeleteDomain	Delete a domain name.	Go debug

Certificate.

API Name	Command	Description	Operation
Obtaining the Certificate List	hcloud CAE ListCertificates	Obtain the certificate list.	Go debug
Creating a Certificate	hcloud CAE CreateCertificate	This API is used to create a certificate.	Go debug
Modifying a Certificate	hcloud CAE UpdateCertificate	Modify a certificate.	Go debug
Deleting a Certificate	hcloud CAE DeleteCertificate	Delete a certificate.	Go debug

Scheduled start/stop policy.

API Name	Command	Description	Operation
Obtaining the Scheduled Start/ Stop Policy List	hcloud CAE ListTimerRules	Obtain the scheduled start/stop policy list.	Go debug
Creating a Scheduled Start/ Stop Policy	hcloud CAE CreateTimerRule	This API is used to create a scheduled start/stop policy.	Go debug
Deleting a Scheduled Start/ Stop Policy	hcloud CAE DeleteTimerRule	Delete a scheduled start/stop policy.	Go debug
Modifying a Scheduled Start/ Stop Policy	hcloud CAE UpdateTimerRule	Modify a scheduled start/stop rule.	Go debug
Obtaining the Last Execution Status of a Scheduled Start/ Stop Policy	hcloud CAE ShowExecutionResult	Obtain the last execution status of a scheduled start/stop policy.	Go debug

EIP.

API Name	Command	Description	Operation
Obtaining the EIP List of Cluster Nodes	hcloud CAE ListEips	Obtain the EIP list of cluster nodes.	Go debug

API Name	Command	Description	Operation
Modifying the Inbound and Outbound Bandwidth and Enabling Status	hcloud CAE UpdateEip	Modify the inbound and outbound bandwidth and enabling status.	Go debug

Monitoring system.

API Name	Command	Description	Operation
Obtaining the Monitoring System Configuration	hcloud CAE ShowMonitorSystem	Obtain the monitoring system configuration.	Go debug
Creating the Monitoring System Configuration	hcloud CAE CreateMonitorSystem	This API is used to create the monitoring system configuration.	Go debug
Updating the Monitoring System Configuration	hcloud CAE UpdateMonitorSystem	Update the monitoring system configuration.	Go debug

Access the VPC in the CAE environment.

API Name	Command	Description	Operation
Obtaining the Configuration for the CAE Environment to Access the VPC	hcloud CAE ListVpcEgress	Obtain the configuration for the CAE environment to access the VPC.	Go debug
Creating the Configuration for the CAE Environment to Access the VPC	hcloud CAE CreateVpcEgress	This API is used to create the configuration for the CAE environment to access the VPC.	Go debug
Deleting the Configuration for the CAE Environment to Access VPC	hcloud CAE DeleteVpcEgress	Delete the configuration for the CAE environment to access the VPC.	Go debug

Event notification rule.

API Name	Command	Description	Operation
Creating an Event Notification Rule	hcloud CAE CreateNoticeRule	This API is used to create an event notification rule.	Go debug
Querying the Event Notification Rule List	hcloud CAE ListNoticeRules	Query the event notification rule list.	Go debug
Modifying an Event Notification Rule	hcloud CAE UpdateNoticeRule	Modify an event notification rule.	Go debug
Viewing an Event Notification Rule	hcloud CAE ShowNoticeRule	Viewing an Event Notification Rule	Go debug
Deleting an Event Notification Rule	hcloud CAE DeleteNoticeRule	Delete an event notification rule.	Go debug

Secret

API Name	Command	Description	Operation
Associating a Secret Registered by the Tenant	hcloud CAE CreateSecret	This API is used to associate a secret registered by the tenant.	Go debug
Obtaining User Secrets	hcloud CAE ListSecrets	Obtain user secrets.	Go debug
Modifying the Version of a Secret Registered with DEW	hcloud CAE UpdateSecret	Modify the version of a secret registered with DEW.	Go debug
Deleting a Secret Registered with DEW	hcloud CAE DeleteSecret	Delete a secret registered with DEW.	Go debug
Obtaining the Components That Are Using a Specific Secret	hcloud CAE ListEffectiveComponents	Obtain the components that are using a specific secret.	Go debug