

Edge Security

CLI Reference

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1 How to Use KooCLI

Huawei Cloud Koo Command Line Interface (KooCLI, 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 DBSS in API Explorer to manage and use your DBSS resources. For detailed information 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 Configuration

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 CLI Commands

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 **Querying the list of protected domain names** API of EdgeSec 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 Edge Security, 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 querying the list of protected domain names.

```
hcloud EdgeSec ShowDomains --cli-region="ap-southeast-3"
```

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 querying the list of protected domain names.

```
{
  "total": 0,
  "domain_used_quota": 0,
  "domain_list": []
}
```

2 CLI Command Reference

Protected Domain Name Management

API Name	Command	Description	Operation
Querying the Protected Domain Name List	hcloud EdgeSec ShowDomains	Queries the protection domain name list.	Go debug
Creating a Domain Name	hcloud EdgeSec CreateDomain	This API is used to create a protected domain name.	Go debug
Querying Details About a Protected Domain Name	hcloud EdgeSec ShowDomainDetail	This API is used to query a protected domain name.	Go debug
Updating Protected Domain Names	hcloud EdgeSec UpdateDomain	This API is used to update protected domain names.	Go debug
Deleting a Protected Domain Name	hcloud EdgeSec DeleteDomain	This API is used to delete a protected domain name.	Go debug

HTTP Protection Policy Management

API Name	Command	Description	Operation
This API is used to query the protection policy list.	hcloud EdgeSec ShowHttpPolicies	This API is used to query the protection policy list.	Go debug
This API is used to create a protection policy.	hcloud EdgeSec CreateHttpPolicy	This API is used to create a protection policy.	Go debug

API Name	Command	Description	Operation
This API is used to query a protection policy.	hcloud EdgeSec ShowHttpPolicy	This API is used to query a protection policy.	Go debug
This API is used to update a protection policy.	hcloud EdgeSec UpdateHttpPolicy	This API is used to update a protection policy.	Go debug
This API is used to delete a protection policy.	hcloud EdgeSec DeleteHttpPolicy	This API is used to delete a protection policy.	Go debug
This API is used to update domain names a policy applies to.	hcloud EdgeSec ApplyHttpPolicy	This API is used to update domain names a policy applies to.	Go debug
This API is used to update a protection policy rule.	hcloud EdgeSec UpdateHttpPolicy RuleStatus	This API is used to update a protection policy rule.	Go debug

HTTP Protection Rule Management - CC

API Name	Command	Description	Operation
This API is used to query the CC attack defense rules.	hcloud EdgeSec ShowHttpCcRules	This API is used to query the CC attack defense rules.	Go debug
This API is used to create a CC attack protection rule.	hcloud EdgeSec CreateHttpCcRule	This API is used to create a CC attack protection rule.	Go debug
This API is used to query a CC rule.	hcloud EdgeSec ShowHttpCcRule	This API is used to query a CC rule.	Go debug
This API is used to update a CC protection rule.	hcloud EdgeSec UpdateHttpCcRule	This API is used to update a CC protection rule.	Go debug
This API is used to delete a CC rule.	hcloud EdgeSec DeleteHttpCcRule	This API is used to delete a CC rule.	Go debug

HTTP Protection Rule Management - Precise Protection

API Name	Command	Description	Operation
This API is used to query precise protection rules.	hcloud EdgeSec ShowHttpAccessControlRules	This API is used to query precise protection rules.	Go debug
This API is used to create a precise protection rule.	hcloud EdgeSec CreateHttpAccessControlRule	This API is used to create a precise protection rule.	Go debug
This API is used to query a precise protection rule.	hcloud EdgeSec ShowHttpAccessControlRule	This API is used to query a precise protection rule.	Go debug
This API is used to update a precise protection rule.	hcloud EdgeSec UpdateHttpAccessControlRule	This API is used to update a precise protection rule.	Go debug
This API is used to delete a precise protection rule.	hcloud EdgeSec DeleteHttpAccessControlRule	This API is used to delete a precise protection rule.	Go debug

HTTP Protection Rule Management - IP Address Blacklist and Whitelist

API Name	Command	Description	Operation
This API is used to query IP address blacklist and whitelist rules.	hcloud EdgeSec ShowHttpBlockTrustIpRules	This API is used to query IP address blacklist and whitelist rules.	Go debug
This API is used to create an IP address blacklist or whitelist rule.	hcloud EdgeSec CreateHttpBlockTrustIpRule	This API is used to create an IP address blacklist or whitelist rule.	Go debug
This API is used to query an IP address blacklist or whitelist rule.	hcloud EdgeSec ShowHttpBlockTrustIpRule	This API is used to query an IP address blacklist or whitelist rule.	Go debug
This API is used to update an IP address blacklist or whitelist rule.	hcloud EdgeSec UpdateHttpBlockTrustIpRule	This API is used to update an IP address blacklist or whitelist rule.	Go debug
This API is used to delete a blacklist or whitelist rule.	hcloud EdgeSec DeleteHttpBlockTrustIpRule	This API is used to delete a blacklist or whitelist rule.	Go debug

HTTP Protection Rule Management - Geographical Location

API Name	Command	Description	Operation
This API is used to query the geolocation access control rules.	hcloud EdgeSec ShowHttpGeolpRules	This API is used to query the geolocation access control rules.	Go debug
This API is used to create a geolocation access control rule.	hcloud EdgeSec CreateHttpGeolpRule	This API is used to create a geolocation access control rule.	Go debug
This API is used to query a geolocation access control rule.	hcloud EdgeSec ShowHttpGeolpRule	This API is used to query a geolocation access control rule.	Go debug
This API is used to update a geolocation access control rule.	hcloud EdgeSec UpdateHttpGeolpRule	This API is used to update a geolocation access control rule.	Go debug
This API is used to delete a geolocation access control rule.	hcloud EdgeSec DeleteHttpGeolpRule	This API is used to delete a geolocation access control rule.	Go debug

HTTP Protection Rule Management - False Alarm Masking

API Name	Command	Description	Operation
This API is used to query false alarm masking rules.	hcloud EdgeSec ShowHttpIgnoreRules	This API is used to query false alarm masking rules.	Go debug
This API is used to add a false alarm masking rule.	hcloud EdgeSec CreateHttpIgnoreRule	This API is used to add a false alarm masking rule.	Go debug
This API is used to query a false alarm masking rule.	hcloud EdgeSec ShowHttpIgnoreRule	This API is used to query a false alarm masking rule.	Go debug

API Name	Command	Description	Operation
This API is used to update a false alarm masking rule.	hcloud EdgeSec UpdateHttpIgnoreRule	This API is used to update a false alarm masking rule.	Go debug
This API is used to delete a false alarm masking rule.	hcloud EdgeSec DeleteHttpIgnoreRule	This API is used to delete a false alarm masking rule.	Go debug
This API is used to reset a false alarm masking rule.	hcloud EdgeSec ResetHttpIgnoreRule	This API is used to reset a false alarm masking rule.	Go debug

HTTP Protection Rule Management - Attack Penalty

API Name	Command	Description	Operation
Querying Known Attack Source Rules	hcloud EdgeSec ShowHttpPenaltyRules	This API is used to query known attack source rules.	Go debug
Creating a Known Attack Source Rule.	hcloud EdgeSec CreateHttpPenaltyRule	This API is used to create a known attack source rule.	Go debug
Querying a Penalty Rule	hcloud EdgeSec ShowHttpPenaltyRule	This API is used to query a penalty rule.	Go debug
Updating a Known Attack Source Rule	hcloud EdgeSec UpdateHttpPenaltyRule	This API is used to update a known attack source rule.	Go debug
Deleting a Known Attack Source Rule	hcloud EdgeSec DeleteHttpPenaltyRule	This API is used to delete a known attack source rule.	Go debug

IP Address Group Management

API Name	Command	Description	Operation
Querying IP Address Groups	hcloud EdgeSec ShowHttpIpGroups	This API is used to query IP address groups.	Go debug

API Name	Command	Description	Operation
Creating an IP Address Group	hcloud EdgeSec CreateHttpIpGroup	This API is used to create an IP address group.	Go debug
Querying an IP Address Group	hcloud EdgeSec ShowHttpIpGroup	This API is used to query an IP address group.	Go debug
Updating an IP Address Group	hcloud EdgeSec UpdateHttpIpGroup	This API is used to update an IP address group.	Go debug
Deleting an IP Address Group	hcloud EdgeSec DeleteHttpIpGroup	This API is used to delete an IP address group.	Go debug

Security Overview

API Name	Command	Description	Operation
Querying Website Request Statistics	hcloud EdgeSec ShowHttpStatistics	This API is used to query website request statistics.	Go debug
Querying Attack Domain Names	hcloud EdgeSec ShowHttpOverviews	This API is used to query top security information, including the attack domain name, attack source IP address, attack URL, attack source region, and protection type.	Go debug

Reference Table Management

API Name	Command	Description	Operation
Querying the Reference Table List	hcloud EdgeSec ShowHttpReferenceTables	This API is used to query the reference table list.	Go debug
Creating a Reference Table	hcloud EdgeSec CreateHttpReferenceTable	This API is used to create a reference table.	Go debug
Updating a Reference Table	hcloud EdgeSec UpdateHttpReferenceTable	This API is used to update a reference table.	Go debug

API Name	Command	Description	Operation
Deleting a Reference Table	hcloud EdgeSec DeleteHttpReferenceTable	This API is used to delete a reference table.	Go debug

DDoS Statistics

API Name	Command	Description	Operation
Querying the Timeline Data of DDoS Attack Statistics	hcloud EdgeSec ShowDdosAttackTimelineStats	This API is used to query the timeline data of DDoS attack statistics.	Go debug

HTTP Statistics

API Name	Command	Description	Operation
Querying HTTP Attack Distribution Data	hcloud EdgeSec ShowHttpAttackDistributionStats	This API is used to query HTTP attack distribution data.	Go debug
Querying the Timeline Data of HTTP Attack Statistics	hcloud EdgeSec ShowHttpAttackTimelineStats	This API is used to query the timeline data of HTTP attack statistics.	Go debug
Querying Top HTTP Attacks	hcloud EdgeSec ShowHttpAttackTopStats	This API is used to query top HTTP attacks.	Go debug

DDoS Attack Logs

API Name	Command	Description	Operation
Querying DDoS Attack Logs	hcloud EdgeSec ShowDdosAttackLogs	This API is used to query DDoS attack logs.	Go debug
Downloading DDoS Attack Logs	hcloud EdgeSec DownloadDdosAttackLogs	This API is used to download DDoS attack logs.	Go debug