

Koo Command Line Interface

Service Overview

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Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129
People's Republic of China

Website: <https://www.huawei.com>

Email: support@huawei.com

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1 Privacy Statement

See [Privacy Statement](#).

When using Koo Command Line Interface (KooCLI) for the first time, confirm whether to connect it to the Internet and whether to accept the *Privacy Statement*.

In some special scenarios such as KooCLI command execution with automation scripts, run the following command to agree to the privacy statement:

```
hcloud configure set --cli-agree-privacy-statement=true
```

2 What Is KooCLI?

KooCLI is a command line tool for managing cloud service APIs released on API Explorer. With this tool, you can call open APIs of cloud services to manage and use your cloud service resources.

KooCLI provides a method for calling cloud service APIs through CLI. Before using KooCLI, you need to understand the target APIs. To get help using APIs, contact on-call personnel of the relevant cloud service.

When using KooCLI, you can search for APIs, debug them, and view their documentation on [API Explorer](#).

KooCLI is flexible and easy to expand. It has the following features:

- Single executable file, which does not need installation. It can be used right after download and decompression.
- Compatibility with multiple OSs, including Linux, Windows, and macOS.
- High scalability. You can use this tool to encapsulate cloud service APIs for different functions and manage your resources with scripts.

NOTE

For details about how to download KooCLI, see [Getting Started](#).

NOTICE

When using KooCLI in Windows, do not double-click the **hcloud.exe** file. Instead, go to the directory where this file is located, open a command line tool (such as **cmd.exe**), and then run desired commands.

3 KooCLI Concepts

This topic describes common terms related to KooCLI.

- Command

Commands are operation instructions provided by KooCLI to configure the working environment or call open APIs of cloud services.

The format of an API calling command is as follows:

```
hcloud [options] <service> <operation> [--param1=paramValue1 --param2=paramValue2 ...]
```

The format of a system command is as follows:

```
hcloud [options] <systemCommand> <operation> [--param1=paramValue1 --param2=paramValue2 ...]
```

In the following command for querying Elastic Cloud Servers (ECSs), *service* is **ECS**, *operation* is **NovaListServers**, and the common information required for calling the API is obtained from the **profile** named **default**:

```
hcloud ECS NovaListServers --cli-profile=default
```

- Operation

A unique name for a cloud service API released on API Explorer. You can query the operation list of a cloud service by using **API Explorer** or by running the **hcloud <service> --help** command.

- Profile

Profiles store common information required for calling cloud service APIs. They can be defined by running KooCLI commands. All profiles constitute a configuration file, which is stored on your local host. When calling a cloud service API, you can specify a profile rather than manually inputting the common information.

The common information that can be set in a profile includes the access key (**AK/SK**), region (**cli-region**), project ID (**cli-project-id**), and account ID (**cli-domain-id**).

- Default profile

The profile to be used by default if no profile is specified in a command. KooCLI takes the profile that is last added or modified as the default. If the default profile is deleted, the earliest added profile among the remaining ones is used as the new default. You can run the **hcloud configure set --cli-profile=\${profileName}** command to change the default profile.

- **Parameter**
Parameters are classified into API parameters and KooCLI system parameters. API parameters are defined in cloud service APIs. System parameters are built-in parameters of KooCLI. The system parameters are used in a fixed mode and have specific meanings. For details, see the [system parameter list](#).
- **Option**
Options are KooCLI system parameters that can be directly added to commands for calling APIs. Not all system parameters can be used as options. For details, see the [option list](#).
- **Metadata**
Details about cloud services and their APIs that are obtained by KooCLI during command execution to verify and parse parameters. Remotely obtained metadata is stored locally to reduce network I/O and improve command response. A file that stores metadata is called a metadata cache file. For details, see [Managing Metadata](#).
When using the [offline mode](#), KooCLI downloads existing metadata, which is called an "offline metadata package".

4 Using KooCLI

Step 1 Download KooCLI.

KooCLI is installation-free and can be used right after download and decompression. It can work with Windows 64-bit, Linux AMD64, Linux Arm64, macOS AMD64, and macOS Arm64. [Download](#) the corresponding version based on the OS you use.

Step 2 Configure KooCLI.

For details, see [Initialize Configurations](#).

Step 3 Obtain the commands for calling cloud service APIs.

There are two ways:

- (Recommended) From API Explorer
View cloud service APIs on [API Explorer](#), and enter the required parameters. Then obtain the example command from the **CLI Example** tab page.
- From KooCLI documentation
To learn how to query cloud service commands, see [View and Run Cloud Service Operation Commands](#). The methods of viewing commands in macOS and Linux are similar.

Step 4 Call cloud service APIs by using KooCLI.

Enter a complete API calling command and press **Enter**.

Step 5 (Optional) Integrate KooCLI commands into your custom scripts for automatic management of cloud service resources.

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