

Bare Metal Server

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 Bare Metal Server (BMS) in API Explorer to manage and use your BMS 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 you use KooCLI to call APIs, your identity information is required for authentication. During KooCLI initialization, you can store your permanent AK/SK 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 "Restarting BMSs" API of BMS 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 BMS, 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 "Restarting BMSs" API.

```
hcloud BMS BatchRebootBaremetalServers --cli-region="cn-north-4" --  
reboot.servers.1.id="616fb98f-46ca-475e-917e-2563e5a8cd19" --reboot.type="HARD"
```

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 "Restarting BMSs" API.

```
{  
  "job_id": "70a599e0-31e7-49b7-b260-868f441e862b"  
}
```

2 CLI Command Reference

BMS Lifecycle Management

API Name	Command	Description	Operation
Querying Details About BMSs	hcloud BMS ListBareMetalServers	This API is used to query BMSs by filters and display details about the BMSs. The information that can be queried includes the BMS billing mode and whether a BMS is frozen.	Debug
Querying BMSs	hcloud BMS ListBareMetalServersDetail	This API is used to query BMSs by filters and display details about the BMSs.	Debug
Creating BMSs	hcloud BMS CreateBareMetalServers	This API is used to create one or more BMSs.	Debug
Querying Details About a BMS	hcloud BMS ListBareMetalServerDetails	This API is used to query details about a BMS. The information that can be queried includes the BMS billing mode and whether a BMS is frozen.	Debug

BMS Status Management

API Name	Command	Description	Operation
Changing a BMS Name	hcloud BMS ChangeBaremetal ServerName	This API is used to change the name of a BMS.	Debug
Reinstalling a BMS OS	hcloud BMS ReinstallBaremetalServerOs	This API is used to reinstall the OS of a BMS. For a quick-provisioning BMS, its system disk (OS) can be reinstalled using the original image, with its data disks unchanged. A password or key pair can be injected during OS reinstallation.	Debug
Starting BMSs	hcloud BMS BatchStartBaremetalServers	This API is used to start BMSs of specified IDs.	Debug
Restarting BMSs	hcloud BMS BatchRebootBaremetalServers	This API is used to restart BMSs of specified IDs.	Debug
Stopping BMSs	hcloud BMS BatchStopBaremetalServers	This API is used to stop BMSs of specified IDs.	Debug
Obtaining the Address for Remotely Logging In to a BMS	hcloud BMS ShowServerRemoteConsole	This API is used to obtain the address for remotely logging in to a BMS.	Debug
Changing a BMS OS	hcloud BMS ChangeBaremetal ServerOs	This API is used to change the OS of a BMS. A password or key pair can be injected during OS changes.	Debug

BMS Metadata Management

API Name	Command	Description	Operation
Updating BMS Metadata	hcloud BMS UpdateBaremetal-ServerMetadata	This API is used to update metadata of a BMS. If the metadata does not contain the field to be updated, the field is automatically added. If the metadata already contains the field, the field value will be updated. If a field in the metadata is not in the request, the field value remains unchanged.	Debug

BMS Metadata Configuration Management

API Name	Command	Description	Operation
Updating the Metadata Configuration of a BMS	hcloud BMS UpdateMetadata Options	This API is used to update the metadata configuration of a BMS. You can enable or disable the IMDS service and select the IMDS version.	Debug
Querying the Metadata Configuration of a BMS	hcloud BMS ShowMetadataOptions	This API is used to query the metadata configuration of a BMS.	Debug

BMS NIC Management

API Name	Command	Description	Operation
Querying NICs Attached to a BMS	hcloud BMS ShowBaremetalServerInterfaceAttachments	This API is used to query information about NICs attached to a BMS, such as the IP address and MAC address of each NIC.	Debug

API Name	Command	Description	Operation
Detaching NICs from a BMS	hcloud BMS DeleteServerNics	This API is used to detach one or more NICs from a BMS.	Debug
Modifying the Attribute of a BMS NIC	hcloud BMS UpdateBaremetal-ServerInterfaceAttachments	This API is used to specify whether to delete a NIC when the BMS is deleted or the NIC is detached.	Debug
Attaching NICs to a BMS	hcloud BMS AddServerNics	This API is used to attach one or more NICs to a BMS.	Debug
Modifying a BMS NIC	hcloud BMS ModifyVmNic	This API is used to modify a BMS NIC.	Debug

BMS Disk Management

API Name	Command	Description	Operation
Attaching an EVS Disk to a BMS	hcloud BMS AttachBaremetal-ServerVolume	This API is used to attach an EVS disk to a BMS as a data disk if existing disks are insufficient or cannot meet requirements.	Debug
Detaching an EVS Disk from a BMS	hcloud BMS DetachBaremetal-ServerVolume	This API is used to detach a disk from a BMS. A disk attached to /dev/sda functions as a system disk and cannot be detached. A disk attached to a mount point other than /dev/sda functions as a data disk and can be detached from a running or stopped BMS.	Debug
Querying EVS Disks Attached to a BMS	hcloud BMS ShowBaremetalServerVolumeInfo	This API is used to query EVS disks attached to a BMS.	Debug

BMS Password Management

API Name	Command	Description	Operation
Querying Whether One-Click Password Reset Is Supported	hcloud BMS ShowResetPwd	This API is used to query whether a BMS supports one-click password reset.	Debug
Resetting the BMS Password with a Few Clicks	hcloud BMS ResetPwdOneClick	This API is used to reset the password of the BMS management account (root or Administrator) when one-click password reset is supported.	Debug
Obtaining the Password of a Windows BMS	hcloud BMS ShowWindowsBar emetalServerPwd	This API is used to obtain the random password of the administrator (account Administrator or an account configured using Cloudbase-Init) generated by the system during the initial installation of a Windows BMS. If the BMS is created from a private image, ensure that Cloudbase-Init has been installed. Cloudbase-Init is installed on public images by default.	Debug

API Name	Command	Description	Operation
Deleting the Password of a Windows BMS	hcloud BMS DeleteWindowsBareMetalServerPassword	This API is used to delete the random password generated during initial Windows BMS installation. After the password is deleted, you can still use it to log in to your BMS. However, you cannot use the Get Password function to obtain the password. If the BMS is created from a private image, ensure that Cloudbase-Init has been installed. Cloudbase-Init is installed on public images by default.	Debug

BMS Quota Management

API Name	Command	Description	Operation
Querying Tenant Quotas	hcloud BMS ShowTenantQuota	This API is used to query the quotas of all resources for a specified tenant, including used quotas.	Debug

BMS Flavor Management

API Name	Command	Description	Operation
Querying Details About Flavors and Extended Flavor Information	hcloud BMS ListBaremetalFlavorDetailExtends	This API is used to query BMS flavor details and extended flavor information. You can call this API to query the value of parameter baremetal:extBootType to check whether a flavor supports quick BMS provisioning.	Debug

API Name	Command	Description	Operation
Querying Available Resources	hcloud BMS ShowAvailableResource	This API is used to query available resources.	Debug

Job Management

API Name	Command	Description	Operation
Querying Job Statuses	hcloud BMS ShowJobInfos	This API is used to query the execution status of a job. After an asynchronous API is called, for example an API for creating BMSs or attaching or detaching disks, job_id will be returned. You can use job_id to query the job status.	Debug

API Version Query

API Name	Command	Description	Operation
Querying API Versions	hcloud BMS ShowVersionsInfo	This API is used to query all available API versions of the BMS service.	Debug
Querying an API Version	hcloud BMS ShowSpecifiedVersion	This API is used to query a specified API version of the BMS service.	Debug

BMS 2D Tag Management

API Name	Command	Description	Operation
Adding Tags to a BMS	hcloud BMS BatchCreateBare-metalServerTags	This API is used to add tags to a specified BMS in a batch. The Tag Management Service (TMS) uses this API to batch manage tags of a BMS.	Debug
Deleting Tags from a BMS	hcloud BMS BatchDeleteBare-metalServerTags	This API is used to delete tags from a specified BMS in a batch. TMS uses this API to batch manage tags of a BMS.	Debug
Querying Tags of a BMS	hcloud BMS ShowBaremetalServerTags	This API is used to query tags of a specified BMS. TMS uses this API to query all tags of a specified BMS.	Debug