

Direct Connect

CLI Reference

Issue	01
Date	2026-09-03



Copyright © Huawei Technologies Co., Ltd. 2026. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

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

Security Declaration

Vulnerability

Huawei's regulations on product vulnerability management are subject to the *Vul. Response Process*. For details about this process, visit the following web page:

<https://www.huawei.com/en/psirt/vul-response-process>

For vulnerability information, enterprise customers can visit the following web page:

<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

Contents

1 Using KooCLI.....1

2 CLI Command Reference.....3

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 Direct Connect to manage and use your Direct Connect resources. For details about KooCLI, see [What Is KooCLI?](#)

Installing KooCLI

Before using KooCLI, you need to install it. KooCLI is compatible with Windows, Linux, and macOS. Install the required version.

- [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 methods for generating commands:

- 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 Direct Connect API for querying connect gateways as an example to describe how to generate a CLI command in API Explorer and run the CLI command to call the API.

- a. On the [API Explorer](#) page of Direct Connect, select the API for which you want to generate a CLI command.
- b. On the parameter configuration page in the middle, set the parameters required for calling the API.
- c. In the right pane, click the **CLI Example** tab to view the generated CLI command.

The following is an example CLI command for calling the API to query connect gateways.

```
hcloud DC ListConnectGateways --cli-region="cn-north-4"
```

- d. Copy the generated CLI command and paste it to the CLI for execution.

The following is an example CLI command output for calling the API to query connect gateways.

```
{
  "request_id": "289c8ac8a4a894667127c9f8071af700",
  "connect_gateways": [],
  "page_info": {
    "current_count": 0
  }
}
```

2 CLI Command Reference

Connections

API Name	Command	Description	Operation
Querying Details About a Connection	hcloud DC ShowDirectConnect	This API is used to query details about a connection.	Go debug
Updating a Connection	hcloud DC UpdateDirectConnect	This API is used to update a connection, including updating its name and description.	Go debug
Deleting a Connection	hcloud DC DeleteDirectConnect	This API is used to delete pay-per-use connections only. You can only unsubscribe them yearly/monthly connections.	Go debug
Querying the Connection List	hcloud DC ListDirectConnects	This API is used to query all direct connections created by a tenant.	Go debug
Querying the Hosted Connection List	hcloud DC ListHostedDirectConnects	This API is used to query hosted connections created by partners.	Go debug
Creating a Hosted Connection	hcloud DC CreateHostedDirectConnect	This API is used by partners to create hosted connections for their users. The creator must have the partner qualification and have an operations connection.	Go debug

API Name	Command	Description	Operation
Querying Details About a Hosted Connection	hcloud DC ShowHostedDirectConnect	This API is used to query a hosted connection of a partner.	Go debug
Updating a Hosted Connection	hcloud DC UpdateHostedDirectConnect	This API is used to update a hosted connection created by a partner.	Go debug
Deleting a Hosted Connection	hcloud DC DeleteHostedDirectConnect	This API is used by partners to delete hosted connections.	Go debug

Virtual Gateways

API Name	Command	Description	Operation
Querying Details About a Virtual Gateway	hcloud DC ShowVirtualGateway	This API is used to query details about a specified virtual gateway.	Go debug
Updating a Virtual Gateway	hcloud DC UpdateVirtualGateway	This API is used to update a virtual gateway.	Go debug
Deleting a Virtual Gateway	hcloud DC DeleteVirtualGateway	The API is used to delete a specified virtual gateway.	Go debug
Querying Virtual Gateways	hcloud DC ListVirtualGateways	This API is used to query virtual gateways.	Go debug
Creating a Virtual Gateway	hcloud DC CreateVirtualGateway	This API is used to create a virtual gateway.	Go debug

Virtual Interfaces

API Name	Command	Description	Operation
Querying Details About a Virtual Interface	hcloud DC ShowVirtualInterface	This API is used to query details about a virtual interface.	Go debug

API Name	Command	Description	Operation
Updating a Virtual Interface	hcloud DC UpdateVirtualInterface	This API is used to update a virtual interface.	Go debug
Deleting a Virtual Interface	hcloud DC DeleteVirtualInterface	This API is used to delete a virtual interface.	Go debug
Querying the Virtual Interface List	hcloud DC ListVirtualInterfaces	This API is used to query all virtual interfaces of a tenant.	Go debug
Creating a Virtual Interface	hcloud DC CreateVirtualInterface	This API is used to create a virtual interface.	Go debug
Updating Extended Parameters for Reliability Detection on a Virtual Interface	hcloud DC UpdateExtendAttribute	This API is used to update extended parameters for reliability on a virtual interface, such as **min_rx_interval** , **min_tx_interval** , and **detect_multiplier** .	Go debug
Updating a Virtual Interface Peer	hcloud DC UpdateVifPeer	This API is used to update a virtual interface peer, for example, its remote subnet, name, and description. This API is available only in regions that support IPv6. To use this API, contact customer service.	Go debug
Deleting a Virtual Interface Peer	hcloud DC DeleteVifPeer	This API is used to delete a virtual interface. The virtual interface must contain at least one peer. The last peer cannot be deleted. This API is available only in regions that support IPv6. To use this API, contact customer service.	Go debug

API Name	Command	Description	Operation
Creating a Virtual Interface Peer	hcloud DC CreateVifPeer	This API is used to create an IPv6 peer.Each virtual interface can have two peers: IPv4 and IPv6 peers. When a virtual interface is created, an IPv4 peer is created by default. After a virtual interface peer is created, you can query its settings by viewing the virtual interface details. This API is available only in regions that support IPv6. To use this API, contact customer service.	Go debug

API Name	Command	Description	Operation
Performing a Virtual Interface Switchover Test	hcloud DC SwitchoverTest	This API is used to perform a virtual interface switchover test.If there are two connections, automatic switchover between the connections is required for connectivity testing. If a switchover is performed, the virtual interface in use is disabled, and traffic is interrupted.You can perform two operations on a virtual interface:- Run the **shutdown** command to disable the virtual interface.- Run the **undo_shutdown** command to enable the virtual interface.If **shutdown** is selected for the switchover test, the virtual interface is in the **ADMIN_SHUTDOWN** state, and no operations can be performed on the virtual interface. If **undo_shutdown** is selected for the switchover test, the virtual interface is in the **ACTIVE** state.	Go debug
Querying the Switchover Test Records of a Virtual Interface	hcloud DC ListSwitchoverTestRecords	This API is used to query the switchover test record list. Only the records whose **operate_status** is **COMPLETE** are displayed.	Go debug

Tag management

API Name	Command	Description	Operation
Querying Tags by Resource Type	hcloud DC ListProjectTags	This API is used to query the tags of a resource type in a specific project. TMS uses this API to list tags created by a tenant to facilitate tag creation and resource filtering on the console.	Go debug
Querying Resource Tags	hcloud DC ShowResourceTag	This API is used to query resource tags.	Go debug
Adding a Resource Tag	hcloud DC CreateResourceTag	This API is used to add a tag to a resource.	Go debug
Adding or Deleting Tags in Batches	hcloud DC BatchCreateResourceTags	This API is used to batch add tags to or delete tags from a specified resource. TMS needs to use this API to manage tags of resources in batches. A resource can have a maximum of 10 tags.	Go debug
Deleting a Resource Tag	hcloud DC DeleteResourceTag	This API is used to delete a tag. When a tag is deleted, the tag character set is not verified. Before this API is called, the API URL must be encoded, and the service who is calling this API must decode the API URI. If the key to be deleted does not exist, 404 is returned. The key cannot be left blank or an empty string.	Go debug
Querying Resources by Tag	hcloud DC ListTagResourceInstances	This API is used to query resources such as virtual gateways and virtual interfaces by tag.	Go debug

Quota Management

API Name	Command	Description	Operation
Querying Resource Quotas	hcloud DC ShowQuotas	This API is used to query the usage of resources, for example, how many connections and virtual interfaces have been created.	Go debug

Global DC Gateways

API Name	Command	Description	Operation
Querying the Global DC Gateway List	hcloud DC ListGlobalDcGateways	This API is used to query the global DC gateway list. Pagination query is recommended. The **marker** and **limit** parameters are used for pagination query. The two parameters take effect only when they are used together.	Go debug
Creating a Global DC Gateway	hcloud DC CreateGlobalDcGateway	This API is used to create a global DC gateway that can be attached to an enterprise router.	Go debug
Querying Details About a Global DC Gateway	hcloud DC ShowGlobalDcGateway	This API is used to query details about a global DC gateway.	Go debug
Updating a Global DC Gateway	hcloud DC UpdateGlobalDcGateway	This API is used to update a global DC gateway, for example, the name and description of a global DC gateway.	Go debug
Deleting a Global DC Gateway	hcloud DC DeleteGlobalDcGateway	This API is used to delete a global DC gateway.	Go debug

Peer Links

API Name	Command	Description	Operation
Querying the Peer Link List	hcloud DC ListPeerLinks	This API is used to query the peer link list. The **marker** and **limit** parameters are used for pagination query. The two parameters take effect only when they are used together.	Go debug
Adding a Peer Link	hcloud DC CreatePeerLink	This API is used to add a peer link between a global DC gateway and an enterprise router or another global DC gateway.	Go debug
Querying Details About a Peer Link	hcloud DC ShowPeerLink	This API is used to query details about a peer link of a global DC gateway.	Go debug
Updating a Peer Link	hcloud DC UpdatePeerLink	This API is used to update a peer link between a global DC gateway and an enterprise router.	Go debug
Deleting a Peer Link	hcloud DC DeletePeerLink	This API is used to delete a peer link between a global DC gateway and an enterprise router.	Go debug

Direct Connect Locations

API Name	Command	Description	Operation
Querying the Direct Connect Location List	hcloud DC ListDirectConnectLocations	This API is used to query all the Direct Connect locations in a region. The **marker** and **limit** parameters are used for pagination query. The two parameters take effect only when they are used together.	Go debug
Querying Details About a Direct Connect Location	hcloud DC ShowDirectConnectLocation	This API is used to query details about a Direct Connect location.	Go debug

Connect Gateways

API Name	Command	Description	Operation
Querying Details About a Connect Gateway	hcloud DC ShowConnectGateway	This API is used to query the details about a connect gateway.	Go debug
Updating a Connect Gateway	hcloud DC UpdateConnectGateway	This API is used to update a connect gateway.	Go debug
Deleting a Connect Gateway	hcloud DC DeleteConnectGateway	This API is used to delete a connect gateway.	Go debug
Querying the Connect Gateway List	hcloud DC ListConnectGateways	This API is used to query the list of connect gateways.	Go debug
Creating a Connect Gateway	hcloud DC CreateConnectGateway	This API is used to create a connect gateway.	Go debug

Global EIPs

API Name	Command	Description	Operation
Querying the Global EIPs Bound to a Connect Gateway	hcloud DC ListGlobalEips	This API is used to query the global EIPs bound to a connect gateway.	Go debug
Binding Global EIPs to a Connect Gateway	hcloud DC BindGlobalEips	This API is used to bind global EIPs to a connect gateway.	Go debug
Unbinding Global EIPs from a Connect Gateway	hcloud DC UnbindGlobalEips	This API is used to unbind global EIPs from a connect gateway.	Go debug

Global DC Gateway Route Tables

API Name	Command	Description	Operation
Querying Global DC Gateway Route Tables	hcloud DC ListGdgwRouteTables	This API is used to query the route tables for a global DC gateway.	Go debug
Modifying Global DC Gateway Route Tables	hcloud DC UpdateGdgwRouteTable	This API is used to modify the route tables for a global DC gateway.	Go debug

Virtual Interface Peer Connectivity Detection Task

API Name	Command	Description	Operation
Querying the Details About a Connectivity Detection Task of a Virtual Interface Peer	hcloud DC ShowVifPeerDetection	This API is used to query the details about a connectivity detection task of a virtual interface peer, including the task ID, start time, end time, status, and packet loss rate.	Go debug

API Name	Command	Description	Operation
Deleting a Connectivity Detection Task for a Virtual Interface Peer	hcloud DC DeleteVifPeerDetection	This API is used to delete a connectivity detection task if you no longer need it.	Go debug
Querying Connectivity Detection Tasks of a Virtual Interface Peer	hcloud DC ListVifPeerDetections	This API is used to query information about multiple connectivity detection tasks for a virtual interface peer, including the task ID, start time, end time, status, and packet loss rate.	Go debug
Creating a Connectivity Detection Task for a Virtual Interface Peer	hcloud DC CreateVifPeerDetection	This API is used to create a connectivity detection task for a virtual interface peer to test the connectivity of the remote gateway.	Go debug