

Elastic IP

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 Elastic IP (EIP) in API Explorer to manage and use your EIP 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 version that matches your OS.

- [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 API for querying the EIP list as an example to describe how to generate a CLI command in API Explorer and then run the CLI command to call the API.

- a. On the [API Explorer](#) page of EIP, 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 the EIP list.

```
hcloud EIP ListPublicips/v2 --cli-region="cn-north-4"
```

- d. Copy the generated CLI command and paste it into the CLI for execution. The following is an example CLI command output for calling the API to query the EIP list.

```
{  
  "publicips": []  
}
```

2 CLI Command Reference (V3)

Bandwidth

API Name	Command	Description	Operation
Querying the Bandwidth List	hcloud EIP ListEipBandwidths /v3	Querying the Bandwidth List	Go debug
Viewing Tenant Bandwidth Limits	hcloud EIP ListBandwidthsLimit/v3	Obtaining the EIP Bandwidth Limit List	Go debug
Querying the Bandwidth List	hcloud EIP ListBandwidth/v3	Querying the Bandwidth List	Go debug

EIP

API Name	Command	Description	Operation
Adding a Shared Bandwidth to an EIP	hcloud EIP AttachShareBandwidth/v3	Adding a Shared Bandwidth to an EIP	Go debug
Adding a Shared Bandwidth to an EIP in Batches	hcloud EIP AttachBatchPublic/v3	Adding a Shared Bandwidth to an EIP in Batches	Go debug
Removing an EIP from a Shared Bandwidth	hcloud EIP DetachShareBandwidth/v3	Removing an EIP from a Shared Bandwidth	Go debug
Deleting EIPs from Shared Bandwidth in Batches	hcloud EIP DetachBatchPublic/v3	Deleting EIPs from Shared Bandwidth in Batches	Go debug

API Name	Command	Description	Operation
Enabling NAT64 for EIPs	hcloud EIP EnableNat64/v3	Enabling NAT64 for EIPs	Go debug
Disable NAT64 for EIPs.	hcloud EIP DisableNat64/v3	Disable NAT64 for EIPs.	Go debug
Querying the Number of Available EIPs	hcloud EIP CountEipAvailableResources/v3	Querying the Number of Available EIPs	Go debug
Query all EIPs	hcloud EIP ListPublicips/v3	Query the EIP list	Go debug
Query EIP Details	hcloud EIP ShowPublicip/v3	Queries details about an EIP	Go debug
Update EIP	hcloud EIP UpdatePublicips/v3	Update the EIP	Go debug
Unbind an EIP	hcloud EIP DisassociatePublicips/v3	Unbind an EIP	Go debug
Binding an EIP	hcloud EIP AssociatePublicips/v3	Binding an EIP	Go debug

Public Pool

API Name	Command	Description	Operation
Query the public pool list	hcloud EIP ListCommonPools/v3	Query the public pool list	Go debug
Query Public IP Address Pool List	hcloud EIP ListPublicipPool/v3	Query all public IP address pool list	Go debug
Query Public IP Address Pool Details	hcloud EIP ShowPublicipPool/v3	Query Public IP Address Pool Details	Go debug

EIP Pool

API Name	Command	Description	Operation
Updating an EIP Pool Type	hcloud EIP UpdatePublicipPool/v3	This API is used to update a bandwidth grouping rule.	Go debug

Shared Bandwidth Type

API Name	Command	Description	Operation
Queries the shared bandwidth type list of a specified tenant.	hcloud EIP ListShareBandwidthTypes/v3	Queries the shared bandwidth type list of a specified tenant.	Go debug

Bandwidth Rules

API Name	Command	Description	Operation
Querying All Bandwidth Rules	hcloud EIP ListBandwidthRule/v3	This API is used to query all grouping rules of a specified bandwidth.	Go debug
Creating a Bandwidth Grouping Rule	hcloud EIP CreateBandwidthRule/v3	This API is used to create a bandwidth grouping rule.	Go debug
Querying Bandwidth Rules	hcloud EIP ShowBandwidthRule/v3	This API is used to query grouping rules of a specified bandwidth.	Go debug
Updating a Bandwidth Grouping Rule	hcloud EIP UpdateBandwidthRuleV3/v3	This API is used to update a bandwidth grouping rule.	Go debug
Deleting Bandwidth Grouping Rules	hcloud EIP DeleteBandwidthRule/v3	This API is used to delete grouping rules of a specified bandwidth.	Go debug

Virtual IGW

API Name	Command	Description	Operation
Querying the Virtual IGW List of a Specified Tenant	hcloud EIP ListTenantVpclgws /v3	Querying the Virtual IGW List of a Specified Tenant	Go debug
Creating a Virtual IGW	hcloud EIP CreateTenantVpcl gw/v3	Creating a Virtual IGW	Go debug
Deleting a Virtual IGW	hcloud EIP DeleteTenantVpcl gw/v3	Deleting a Virtual IGW	Go debug
Querying Virtual IGW Details	hcloud EIP ShowInternalVpcl gw/v3	Querying Virtual IGW Details	Go debug
Modifying a Virtual IGW	hcloud EIP UpdateTenantVpcl gw/v3	Modifying a Virtual IGW	Go debug

GEIP Bindings

API Name	Command	Description	Operation
Querying the Tenant List of Binding Relationships Between GEIPs and Instances	hcloud EIP ListProjectGeip-Bindings/v3	Querying the Tenant List of Binding Relationships Between GEIPs and Instances	Go debug

3 CLI Command Reference (V2)

Query the Job Status

API Name	Command	Description	Operation
Interface for Querying Job Status	hcloud EIP ShowResourcesJobDetail/v2	Interface for Querying Job Status	Go debug

Bandwidth

API Name	Command	Description	Operation
On-demand subcontracting interface	hcloud EIP ChangeBandwidthToPeriod/v2	Tenant On-demand subcontracting interface	Go debug
Querying a Bandwidth	hcloud EIP ShowBandwidth/v2	Query a bandwidth.	Go debug
Updating a Bandwidth	hcloud EIP UpdateBandwidth/v2	Update a bandwidth.	Go debug
Updating Bandwidths in Batches	hcloud EIP BatchModifyBandwidth/v2	This API is not applicable to batch bandwidth update, shared bandwidth update, and yearly/monthly bandwidth update.	Go debug
Querying Bandwidths	hcloud EIP ListBandwidths/v2	Query bandwidths.	Go debug

API Name	Command	Description	Operation
Assigning a Shared Bandwidth	hcloud EIP CreateSharedBandwidth/v2	Assign a shared bandwidth.	Go debug
Adding an EIP to a Shared Bandwidth	hcloud EIP AddPublicipsIntoSharedBandwidth/v2	Add an EIP to a shared bandwidth.	Go debug
Updating a Yearly/Monthly Bandwidth	hcloud EIP UpdatePrePaidBandwidth/v2	Update a bandwidth.	Go debug
Deleting a Shared Bandwidth	hcloud EIP DeleteSharedBandwidth/v2	Delete a shared bandwidth.	Go debug
Assigning Shared Bandwidths in Batches	hcloud EIP BatchCreateSharedBandwidths/v2	Assign shared bandwidths in batches.	Go debug
Removing an EIP from a Shared Bandwidth	hcloud EIP RemovePublicipsFromSharedBandwidth/v2	Remove an EIP from a shared bandwidth.	Go debug

EIP

API Name	Command	Description	Operation
On-demand subcontracting interface	hcloud EIP ChangePublicipToPeriod/v2	Tenant on-demand subcontracting API.	Go debug
Querying EIPs	hcloud EIP ListPublicips/v2	Query EIPs.	Go debug
Assigning an EIP	hcloud EIP CreatePublicip/v2	Assign an EIP. Both IPv4 and IPv6 addresses are supported.	Go debug
Querying an EIP	hcloud EIP ShowPublicip/v2	Query a specified EIP.	Go debug
Updating an EIP	hcloud EIP UpdatePublicip/v2	Update an EIP, for example, binding an EIP to a NIC, unbinding an EIP from a NIC, or converting the IP address version.	Go debug

API Name	Command	Description	Operation
Deleting an EIP	hcloud EIP DeletePublicip/v2	Delete an EIP. An EIP that is bound to a resource cannot be deleted.	Go debug
Assigning a Yearly/Monthly EIP	hcloud EIP CreatePrePaidPublicip/v2	Assign a yearly/monthly EIP.	Go debug

Bandwidth add-on package

API Name	Command	Description	Operation
Querying the Bandwidth Add-on Package List	hcloud EIP ListBandwidthPkg/v2	Queries the bandwidth add-on package list.	Go debug

EIP auxiliary interface

API Name	Command	Description	Operation
Querying the Number of Public IP Addresses	hcloud EIP CountPublicip/v2	Querying the Number of Public IP Addresses	Go debug
Querying the Publicip Type	hcloud EIP ShowPublicipType/v2	Querying the Publicip Type	Go debug
Querying the Number of Publicip Instances	hcloud EIP CountPublicipInstance/v2	Querying the Number of Publicip Instances	Go debug

Batch Operation on EIPs

API Name	Command	Description	Operation
Creating EIPs in Batches	hcloud EIP BatchCreatePublicips/v2	Creating EIPs in Batches	Go debug
Deleting EIPs in Batches	hcloud EIP BatchDeletePublicip/v2	Deleting EIPs in Batches	Go debug

API Name	Command	Description	Operation
Unbinding EIPs in Batches	hcloud EIP BatchDisassociatePublicips/v2	Unbinding EIPs in Batches	Go debug

EIP Tag Management

API Name	Command	Description	Operation
Deleting EIP Tags	hcloud EIP DeletePublicipTag /v2	Delete the tags of a specified EIP. project_id indicates the project ID. publicip_id indicates the EIP ID. key indicates the key of the tag to be deleted.	Go debug
Querying EIPs By Tags	hcloud EIP ListPublicipsByTags/v2	Query EIPs by tags.	Go debug
Querying EIP Tags	hcloud EIP ListPublicipTags/v2	Query all EIP tags of a resource type in a specified region.	Go debug
Querying EIP Tags	hcloud EIP ShowPublicipTags /v2	Query tags of a specified EIP.	Go debug
Creating an EIP Tag	hcloud EIP CreatePublicipTag /v2	Create a tag for an EIP.	Go debug
Creating EIP Tags in Batches	hcloud EIP BatchCreatePublicipTags/v2	Create tags for a specified EIP in batches.	Go debug
Deleting EIP Tags in Batches	hcloud EIP BatchDeletePublicipTags/v2	Delete tags for a specified EIP in batches.	Go debug

Quota

API Name	Command	Description	Operation
Querying Quotas	hcloud EIP ListQuotas/v2	Query quotas.	Go debug

OpenStack - Floating IP Address

API Name	Command	Description	Operation
Querying Floating IP Addresses	hcloud EIP NeutronListFloatingIps/v2	Query all floating IP addresses accessible to the tenant submitting the request.	Go debug
Assigning a Floating IP Address	hcloud EIP NeutronCreateFloatingIp/v2	Use GET /v2.0/networks?router:external=True or run the neutron net-external-list command to obtain the UUID of the external network required for assigning a floating IP address.	Go debug
Querying a Floating IP Address	hcloud EIP NeutronShowFloatingIp/v2	Query details about a specified floating IP address, including the floating IP address status, ID of the router to which the floating IP address belongs, and external network ID of the floating IP address.	Go debug
Updating a Floating IP Address	hcloud EIP NeutronUpdateFloatingIp/v2	Update a floating IP address. During the update, the ID of the floating IP address must be provided in the URL. If port_id is left blank, the floating IP address has been unbound from the port.	Go debug
Releasing a Floating IP Address	hcloud EIP NeutronDeleteFloatingIp/v2	Release a specified floating IP address.	Go debug