

Resource Access Manager

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 RAM in API Explorer to manage and use your RAM 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 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 [Creating 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 RAM API for getting a list of RAM managed permissions 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 RAM page of [API Explorer](#), 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 API for getting a list of RAM managed permissions.

```
hcloud RAM ListPermissions --cli-region="cn-north-4"
```

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 API for getting a list of RAM managed permissions.

```
{
  "permissions": [
    {
      "id": "0105cg7a-cb8d-4c46-eb9b-1955e131162a",
      "name": "default vpc subnets statement",
      "resource_type": "vpc:subnets",
      "is_resource_type_default": true,
      "created_at": "2022-09-06T17:00:33Z",
      "updated_at": "2023-10-11T14:00:09.138063Z",
      "permission_urn": "ram::system:permission:0105cg7a-cb8d-4c46-eb9b-1955e131162a",
      "permission_type": "RAM_MANAGED",
      "default_version": true,
      "version": 1,
      "status": "ATTACHABLE"
    },
    {
      "id": "5ded473e-7fef-486b-adc1-1a960717286c",
      "name": "default pca ca statement",
      "resource_type": "pca:ca",
      "is_resource_type_default": true,
      "created_at": "2023-07-06T09:48:20Z",
      "updated_at": "2023-07-06T09:48:20Z",
      "permission_urn": "ram::system:permission:5ded473e-7fef-486b-adc1-1a960717286c",
      "permission_type": "RAM_MANAGED",
      "default_version": true,
      "version": 1,
      "status": "ATTACHABLE"
    },
    {
      "id": "627fa035-cacb-429c-8290-3d403b6e5990",
      "name": "default csms statement",
      "resource_type": "csms:secretName",

```

```
"is_resource_type_default": true,  
"created_at": "2026-05-26T14:12:24.040401Z",  
"updated_at": "2026-05-26T14:12:24.040401Z",  
"permission_urn": "ram::system:permission:627fa035-cacb-429c-8290-3d403b6e5990",  
"permission_type": "RAM_MANAGED",  
"default_version": true,  
"version": 1,  
"status": "ATTACHABLE"  
}  
],  
"page_info": {  
  "previous_marker": null,  
  "next_marker": null,  
  "current_count": 17  
}  
}
```

2 CLI Command Reference

RAM Managed Permissions

API Name	Command	Description	Operation
Getting a List of RAM Managed Permissions	hcloud RAM ListPermissions	This API is used to get a list of RAM managed permissions for the specified resource type.	Go debug
Getting Details About RAM Managed Permissions	hcloud RAM ShowPermission	This API is used to get the details of RAM managed permissions of the specified version for the specified resource type. If the permission version is not specified, the information about the default permission version is returned.	Go debug
Getting all versions of permissions	hcloud RAM ListPermissionVersions	This API is used to get all versions of permissions.	Go debug

Resource Shares

API Name	Command	Description	Operation
Creating a Resource Share	hcloud RAM CreateResourceShare	This API is used to create a resource share. You can specify the list of resources to be shared, the list of principals in resource sharing, and the list of permissions granted to the principals.	Go debug
Searching for a Resource Share	hcloud RAM SearchResourceShares	This API is used to search for the details about the resource share that you have created or that shared with you.	Go debug
Updating a Resource Share	hcloud RAM UpdateResourceShare	This API is used to modify the properties of a resource share.	Go debug
Deleting a Resource Share	hcloud RAM DeleteResourceShare	This API is used to delete a specified resource share. This operation does not delete the resources but stops sharing the resources with other accounts.	Go debug

Associated Principals and Resources

API Name	Command	Description	Operation
Associating Principals and Resources	hcloud RAM AssociateResourceShare	This API is used to associate a list of specified principals or resources with a resource share. If a resource is associated, the principals that have the permission to access the resource share will gain the permission to access that resource in the resource share. If a principal is associated, the principal will have the permission to access the shared resources in the resource share.	Go debug
Disassociating Principals or Resources	hcloud RAM DisassociateResourceShare	This API is used to disassociate specified principals or resources from a specified resource share. The principals can choose to leave the specified resource share.	Go debug
Searching for Associated Principals and Resources	hcloud RAM SearchResourceShareAssociations	This API is used to search for the principals and resources associated with a resource share you created.	Go debug

Associated RAM Managed Permissions

API Name	Command	Description	Operation
Associating or Replacing RAM Managed Permissions	hcloud RAM AssociateResourceSharePermission	This API is used to associate or replace the RAM managed permission for a resource type included in a resource share. You can have only one permission associated with each resource type in the resource share. You can associate a new RAM managed permission with a resource type only when there are currently no resources of that resource type in the resource share.	Go debug
Disassociating RAM Managed Permissions	hcloud RAM DisassociateResourceSharePermission	This API is used to disassociate RAM managed permissions from a resource share. The disassociation takes effect immediately after you call this API. You can disassociate RAM managed permissions for a resource type from a resource share only when there is no permission for that resource type in the resource share.	Go debug
Getting Associated RAM Managed Permissions	hcloud RAM ListResourceSharePermissions	This API is used to get the details of RAM managed permissions associated with a resource share.	Go debug

Tag Management

API Name	Command	Description	Operation
Querying Tags Used by Resource Shares	hcloud RAM ListResourceShareTags	This API is used to query the list of tags used by resource shares.	Go debug
Querying Resource Shares by Tag	hcloud RAM ListResourceSharesByTags	This API is used to query resource shares by tag.	Go debug
Querying Number of Resource Shares by Tag	hcloud RAM SearchResourceShareCountByTags	This API is used to query the number of resource shares by tag.	Go debug
Adding Tags to Resource Shares	hcloud RAM BatchCreateResourceShareTags	This API is used to add tags to resource shares.	Go debug
Deleting Tags from Resource Shares	hcloud RAM BatchDeleteResourceShareTags	This API is used to delete the specified tags from resource shares.	Go debug

Shared Resources

API Name	Command	Description	Operation
Searching for Shared Resources	hcloud RAM SearchSharedResources	This API is used to search for the resources that you share or are shared with you.	Go debug
Searching for Distinct Shared Resources	hcloud RAM SearchDistinctSharedResources	This API is used to search for distinct resources that you share or are shared with you.	Go debug

Principals

API Name	Command	Description	Operation
Searching for Resource Users or Owners	hcloud RAM SearchSharedPrincipals	This API is used to search for principals that you are sharing resources with or share resources with you.	Go debug
Searching for Distinct Resource Users or Owners	hcloud RAM SearchDistinctPrincipals	This API is used to search for distinct principals that you are sharing resources with or share resources with you.	Go debug

Resource Sharing Invitations

API Name	Command	Description	Operation
Accepting a Resource Sharing Invitation	hcloud RAM AcceptResourceShareInvitation	This API is used to accept a resource sharing invitation from other accounts.	Go debug
Rejecting a Resource Sharing Invitation	hcloud RAM RejectResourceShareInvitation	This API is used to reject a resource sharing invitation from other accounts.	Go debug
Searching for a Resource Sharing Invitation	hcloud RAM SearchResourceShareInvitation	This API is used to search for a resource sharing invitation based on certain search criteria.	Go debug

Sharing with Organizations

API Name	Command	Description	Operation
Checking Whether Sharing with Organizations Is Enabled	hcloud RAM ShowOrganizationShare	This API is used to check whether sharing with Organizations is enabled.	Go debug
Enabling Sharing with Organizations	hcloud RAM EnableOrganizationShare	This API is used to enable sharing with Organizations.	Go debug

API Name	Command	Description	Operation
Disabling Sharing with Organizations	hcloud RAM DisableOrganizationShare	This API is used to disable sharing with Organizations.	Go debug

Other operations

API Name	Command	Description	Operation
Querying Resource Sharing Quotas	hcloud RAM ListQuota	This API is used to query resource sharing quotas in the current account.	Go debug
Querying Resource Type	hcloud RAM ListResourceTypes	This API is used to query the resource types and applicable regions of interconnected cloud services.	Go debug