

Config

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 Config in API Explorer to manage and use your Config 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 parameters 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. 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 resource quantity query API of Config 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 Config 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 resource quantity query API.

```
hcloud Config CountAllResources --cli-region="cn-north-4" --  
domain_id="667c793d853e477c9ec50c2f025540af"
```

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 resource quantity query API.

```
{  
  "total_count": 884  
}
```

2 CLI Command Reference

Resource Inventory

API Name	Command	Description	Operation
Querying Resources of a Specific Type	hcloud RMS ListResources	This API is used to query all your resources of a specific type and you must have the rms:resources:list permission. For example, to query ECSs whose resource type is ecs.cloudservers in RMS, you must set provider to ecs and type to cloudservers in the request. For details about supported services and resource types, see "Supported Services and Regions" (https://console.huaweicloud.com/rms/#/resources/supported).	Go debug
Querying Providers	hcloud RMS ListProviders	This API is used to query providers, resources, and regions supported by RMS.	Go debug

API Name	Command	Description	Operation
Querying a Resource	hcloud RMS ShowResourceById	This API is used to query details about a resource based on its ID. You must have the rms:resources:get permissions. For example, to query ECSs whose resource type is ecs.cloudservers in RMS, you must set provider to ecs and type to cloudservers in the request. For details about supported services and resource types, see "Supported Services and Regions" (https://console.huaweicloud.com/rms/#/resources/supported).	Go debug
Querying All Resources Under Your Account	hcloud RMS ListAllResources	This API is used to query all resources under your account and you must have the rms:resources:list permissions.	Go debug
Querying a Resource Under Your Account	hcloud RMS ShowResourceDetail	This API is used to query a resource under your account.	Go debug
Querying Resource Tags	hcloud RMS ListAllTags	This API is used to query all resource tags under your account.	Go debug
Querying the Number of Resources	hcloud RMS CountAllResources	This API is used to query the number of resources.	Go debug
Querying a Resource Summary	hcloud RMS CollectAllResourcesSummary	This API is used to query a resource summary.	Go debug

Resource Recorder

API Name	Command	Description	Operation
Querying the Resource Recorder	hcloud RMS ShowTrackerConfig	This API is used to query details about the resource recorder.	Go debug
Deleting the Resource Recorder	hcloud RMS DeleteTrackerConfig	This API is used to delete the resource recorder.	Go debug
Creating or Modifying the Resource Recorder	hcloud RMS CreateTrackerConfig	This API is used to create or modify the resource recorder. Only one resource recorder can exist.	Go debug

Resource Relationships

API Name	Command	Description	Operation
Querying Resource Relationships	hcloud RMS ShowResourceRelations	This API is used to query relationships between the resource with a specific ID and other resources. You can set direction to in or out.	Go debug
Querying Details About Resource Relationships	hcloud RMS ShowResourceRelationsDetail	This API is used to query the relationship between a resource and other resources by the resource ID. The relationship direction can be in or out . An IAM user needs to have the rms:resources:getRelation permissions to call this API.	Go debug

Resource History

API Name	Command	Description	Operation
Querying Change Records of a Resource	hcloud RMS ShowResourceHistory	This API is used to query change records of a resource and its relationships with other resources.	Go debug

Region Management

API Name	Command	Description	Operation
Querying Regions	hcloud RMS ListRegions	This API is used to query regions.	Go debug

Compliance

API Name	Command	Description	Operation
Querying Built-in Policies	hcloud RMS ListBuiltInPolicyDefinitions	This API is used to query built-in policies.	Go debug
Querying a Built-in Policy	hcloud RMS ShowBuiltInPolicyDefinition	This API is used to query a built-in policy based on the policy ID.	Go debug
Adding a Policy Assignment	hcloud RMS CreatePolicyAssignments	This API is used to add a policy assignment.	Go debug
Querying All Policy Assignments	hcloud RMS ListPolicyAssignments	This API is used to query all policy assignments.	Go debug
Modifying a Policy Assignment	hcloud RMS UpdatePolicyAssignment	This API is used to modify a policy assignment.	Go debug
Querying a Policy Assignment	hcloud RMS ShowPolicyAssignment	This API is used to query a policy assignment based on its ID.	Go debug
Deleting a Policy Assignment	hcloud RMS DeletePolicyAssignment	This API is used to delete a policy assignment based on its ID.	Go debug

API Name	Command	Description	Operation
Enabling a policy Assignment	hcloud RMS EnablePolicyAssignment	This API is used to enable a policy assignment based on its ID.	Go debug
Disabling a Policy Assignment	hcloud RMS DisablePolicyAssignment	This API is used to disable a policy assignment based on its ID.	Go debug
Running a Resource Compliance Evaluation	hcloud RMS RunEvaluationByPolicyAssignmentId	This API is used to run a resource compliance evaluation based on a policy assignment ID.	Go debug
Querying the Evaluation Status of a Policy Assignment	hcloud RMS ShowEvaluationStateByAssignmentId	This API is used to query the evaluation status of a policy assignment based on the policy assignment ID.	Go debug
Querying the Compliance Result of a Resource	hcloud RMS ListPolicyStatesByResourceId	This API is used to query the compliance result of a resource based on the resource ID.	Go debug
Querying the Compliance Result of a Policy Assignment	hcloud RMS ListPolicyStatesByAssignmentId	This API is used to query all compliance results of resources evaluated based on a policy assignment ID.	Go debug
Querying All Compliance Results of Resources Under a User	hcloud RMS ListPolicyStatesByDomainId	This API is used to query all compliance results of resources under an account.	Go debug
Updating the Compliance Result of a Policy Assignment	hcloud RMS UpdatePolicyState	This API is used to update compliance result of resources under an account.	Go debug
Creating or Updating an Organization Assignment	hcloud RMS CreateOrganizationPolicyAssignment	This API is used to create or update an organization assignment.	Go debug
Querying Organization Assignments	hcloud RMS ListOrganizationPolicyAssignments	This API is used to query organization assignments.	Go debug

API Name	Command	Description	Operation
Querying a Specific Organization Assignment	hcloud RMS ShowOrganizationPolicyAssignment	This API is used to query a specific organization assignment.	Go debug
Deleting an Organization Assignment	hcloud RMS DeleteOrganizationPolicyAssignment	This API is used to delete an organization assignment.	Go debug
Querying Statuses of Organization Assignments	hcloud RMS ShowOrganizationPolicyAssignment-Statuses	This API is used to querying statuses of organization assignments.	Go debug
Querying Details About the Assignment Statuses of Each Member Account in an Organization	hcloud RMS ShowOrganizationPolicyAssignment-DetailedStatus	This API is used to querying details about the assignment statuses of each member account in an organization.	Go debug

Advanced Queries

API Name	Command	Description	Operation
Running an Advanced Query	hcloud RMS RunQuery	Run Resource Query Language	Go debug
Creating an Advanced Query	hcloud RMS CreateStoredQuery	Create Resource Query Language	Go debug
Listing Advanced Queries	hcloud RMS ListStoredQueries	List Resource Query Language	Go debug
Querying an Advanced Query	hcloud RMS ShowStoredQuery	Show Resource Query Language	Go debug
Updating an Advanced Query	hcloud RMS UpdateStoredQuery	Update Resource Query Language	Go debug
Deleting an Advanced Query	hcloud RMS DeleteStoredQuery	Select resources by SQL	Go debug
List Advanced Query Schemas	hcloud RMS ListSchemas	List Schemas	Go debug

Resource Aggregators

API Name	Command	Description	Operation
Creating a Resource Aggregator	hcloud RMS CreateConfigurationAggregator	This API is used to create a resource aggregator.	Go debug
Querying Resource Aggregators	hcloud RMS ListConfigurationAggregators	This API is used to query resource aggregators.	Go debug
Querying a Specific Resource Aggregator	hcloud RMS ShowConfigurationAggregator	This API is used to query a specific resource aggregator.	Go debug
Updating a Resource Aggregator	hcloud RMS UpdateConfigurationAggregator	This API is used to update a resource aggregator.	Go debug
Deleting a Resource Aggregator	hcloud RMS DeleteConfigurationAggregator	This API is used to delete a resource aggregator.	Go debug
Querying the Status of a Specific Resource Aggregator Account	hcloud RMS ShowConfigurationAggregatorSourcesStatus	This API is used to query the status of a specific resource aggregator account. The status can be authorized or unauthorized . If the status is unauthorized , the status information contains an error code or message.	Go debug
Authorizing a Resource Aggregator Account	hcloud RMS CreateAggregationAuthorization	This API is used to authorize a resource aggregator account to collect data from source accounts.	Go debug
Querying Authorized Resource Aggregators Accounts	hcloud RMS ListAggregationAuthorizations	This API is used to query authorized resource aggregator accounts.	Go debug
Deleting Authorization for a Resource Aggregator Account	hcloud RMS DeleteAggregationAuthorization	This API is used to delete authorization for a specific resource aggregator account.	Go debug

API Name	Command	Description	Operation
Querying All Pending Aggregation Requests	hcloud RMS ListPendingAggregationRequests	This API is used to query all pending aggregation requests.	Go debug
Deleting Pending Authorization Requests	hcloud RMS DeletePendingAggregationRequest	This API is used to delete pending authorization requests.	Go debug
Querying the Number of Resources of a Resource Aggregator Account	hcloud RMS ShowAggregateDiscoveredResourceCounts	This API is used to query the number of resources of a resource aggregator account. The number can be counted by filter and GroupByKey .	Go debug
Querying Resources of a Resource Aggregator Account	hcloud RMS ListAggregateDiscoveredResources	This API is used to query resources of a resource aggregator account.	Go debug
Querying Details About a Specific Resource in a Source Account	hcloud RMS ShowAggregateResourceConfig	This API is used to query details about a specific resource in a source account.	Go debug
Performing an Advanced Query on a Specific Aggregator	hcloud RMS RunAggregateResourceQuery	This API is used to perform an advanced query on a specific aggregator.	Go debug
Querying the Compliance Overview of One or More Source Accounts in an Aggregator	hcloud RMS ShowAggregatePolicyStateComplianceSummary	This API is used to query the number of compliant and non-compliant rules of one or more accounts in the aggregator.	Go debug
Querying Aggregated Assignments	hcloud RMS ListAggregateComplianceByPolicyAssignment	This API is used to query aggregated assignments. For an assignment, the numbers of both compliant and non-compliant resources are included.	Go debug

API Name	Command	Description	Operation
Querying Evaluation Results of Aggregated Resources	hcloud RMS ShowAggregateComplianceDetails-ByPolicyAssignment	This API is used to query resources evaluated by a specified aggregated assignment and their compliance statuses. An evaluation result contains the evaluated resource and its compliance status.	Go debug
Querying Details About a Specified Aggregated Assignment	hcloud RMS ShowAggregatePolicyAssignmentDetail	This API is used to query details about a specified aggregated assignment.	Go debug