

Domain Name Service

CLI Reference

Issue	01
Date	2026-09-03



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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](#). With KooCLI, you can call open APIs of Domain Name Service (DNS) to manage and use your DNS resources. For details about KooCLI, see [What Is KooCLI?](#)

Installing KooCLI

Before using KooCLI, you need to install it first. 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 API for creating a public zone as an example to describe how to generate a CLI command in API Explorer and then execute the CLI command to call the API.

1. On the [API Explorer](#) page of DNS, select the API for which you want to generate a CLI command.
2. On the parameter configuration page in the middle, set the parameters required for calling the API.
3. 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 create a public zone.

```
hcloud DNS CreatePublicZone --cli-region="cn-north-4" --name="example.com"
```

4. 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 create a public zone.

```
{
  "id": "ff8080829ffb1e4a01a0232121bb61be",
  "name": "example.com.",
  "description": null,
  "email": "hwclouds.cs@huawei.com",
  "zone_type": "public",
  "ttl": 300,
  "serial": 1,
  "status": "PENDING_CREATE",
  "record_num": 0,
  "proxy_pattern": "AUTHORITY",
  "pool_id": "ff8080825ce479fe015ceca527b90001",
  "project_id": "067cf8aecf3845d1ad7a5d308322f13b",
  "created_at": "2026-08-21T07:02:48.962",
  "updated_at": null,
  "links": {
    "self": "https://dns.myhuaweicloud.com/v2/zones/ff8080829ffb1e4a01a0232121bb61be"
  },
  "masters": [],
  "router": null,
  "enterprise_project_id": "0",
  "cloud_service": null
}
```

2 CLI Command Reference

Version Management

API Name	Command	Description	Operation
Obtaining API Versions	hcloud DNS ListApiVersions	This API is used to query all API versions supported by the DNS service.	Go debug
Querying a Specified API Version	hcloud DNS ShowApiInfo	This API is used to query a specific DNS API version.	Go debug

Public Zone Management

API Name	Command	Description	Operation
Querying the Public Zones	hcloud DNS ListPublicZones	This API is used to query information about all public zones. The information includes the domain name, zone ID, status, number of record sets, enterprise project, tags, TTL, creation time, modification time, and description.	Go debug

API Name	Command	Description	Operation
Querying a Public Zone	hcloud DNS ShowPublicZone	This API is used to query information about a public zone. The information includes the domain name, zone ID, status, number of record sets, enterprise project, tags, TTL, creation time, modification time, and description.	Go debug
Querying Name Servers in a Public Zone	hcloud DNS ShowPublicZoneNameServer	This API is used to query the name server information of a public zone after the public zone is created. The information includes the host name and priority.	Go debug
Deleting a Public Zone	hcloud DNS DeletePublicZone	This API is used to delete a public zone when it is no longer used.	Go debug
Modifying a Public Zone	hcloud DNS UpdatePublicZone	This API is used to modify the basic information of a public zone, including the TTL and description.	Go debug
Setting the Status of a Public Zone	hcloud DNS UpdatePublicZoneStatus	This API is used to set the status of a public zone such as disabling and enabling a public zone.	Go debug
Creating a Public Zone	hcloud DNS CreatePublicZone	Before configuring DNS resolution for your domain name, you need to add the domain name to the DNS console.	Go debug
Creating a Request for Reclaiming a Public Zone	hcloud DNS CreateRetrieval	This API is used to create a request for reclaiming a public zone.	Go debug

API Name	Command	Description	Operation
Querying the Request for Reclaiming a Public Zone	hcloud DNS ShowRetrieval	This API is used to query the request for reclaiming a public zone.	Go debug
Verifying the Public Zone Reclaiming Result	hcloud DNS CreateRetrieval-Verification	This API is used to verify the public zone reclaiming result.	Go debug
Querying the Public Zone Reclaiming Result	hcloud DNS ShowRetrievalVerification	This API is used to query the public zone reclaiming result.	Go debug
Creating an Authorization Task for a Public Subdomain	hcloud DNS CreateAuthorizeTx tRecord	When you create a subdomain, the system displays a message indicating that the domain conflicts with that of another tenant and you need to add a TXT record for verification. You can call the API to generate the TXT record verification information for the subdomain.	Go debug
Querying the Authorization Task of a Public Subdomain	hcloud DNS ShowAuthorizeTx-tRecord	This API is used to query the TXT record verification information of the subdomain.	Go debug
Verifying the Authorization Status of a Public Subdomain	hcloud DNS CreateAuthorizeTx tRecordVerification	After adding a TXT record at the DNS service provider of the second-level domain, you can call this API to verify the subdomain authorization status.	Go debug

Private Zone Management

API Name	Command	Description	Operation
Creating a Private Zone	hcloud DNS CreatePrivateZone	After a private zone is created, you can associate it with a private IP address to provide private domain name resolution in the VPC for cloud services.	Go debug
Associating a VPC with a Private Zone	hcloud DNS AssociateRouter	This API is used to associate a new VPC with a private zone after the private zone is created.	Go debug
Disassociating a VPC from a Private Zone	hcloud DNS DisassociateRouter	This API is used to disassociate a VPC from a private zone after the private zone is created.	Go debug
Querying a Private Zone	hcloud DNS ShowPrivateZone	This API is used to query information about a private zone. The information includes the domain name, zone ID, status, number of record sets, enterprise project, tags, TTL, creation time, modification time, and description.	Go debug
Querying the Private Zones	hcloud DNS ListPrivateZones	This API is used to query information about a private zone. The information includes the domain name, zone ID, status, number of record sets, enterprise project, tags, TTL, creation time, modification time, and description.	Go debug

API Name	Command	Description	Operation
Querying Name Servers in a Private Zone	hcloud DNS ShowPrivateZone-NameServer	This API is used to query the name server information of a private zone after the private zone is created. The information includes the priority and DNS server address.	Go debug
Deleting a Private Zone	hcloud DNS DeletePrivateZone	This API is used to delete a private zone when it is no longer used.	Go debug
Modifying a Private Zone	hcloud DNS UpdatePrivateZone	This API is used to modify the basic information of a private zone, including the TTL and description.	Go debug
Setting the Status of a Private Zone	hcloud DNS UpdatePrivateZoneStatus	This API is used to set the status of a private zone, such as disabling and enabling the private zone.	Go debug
Setting a Recursive Resolution Proxy for Subdomains in a Private Zone	hcloud DNS SetPrivateZoneProxyPattern	This API is used to enable or disable the recursive resolution proxy of subdomains after a private zone is created.	Go debug

Record Set Management (v2)

API Name	Command	Description	Operation
Creating a Record Set	hcloud DNS CreateRecordSet	This API is used to add record sets of different types to a zone.	Go debug

API Name	Command	Description	Operation
Querying Record Sets in a Zone	hcloud DNS ListRecordSetsBy-Zone	This API is used to query information about all record sets in a specified zone. The information includes the name, ID, status, domain name, record value, tag, TTL, creation time, modification time, and description.	Go debug
Querying a Record Set	hcloud DNS ShowRecordSet	This API is used to query information about all record sets in a specified zone. The information includes the name, ID, status, domain name, record value, tag, TTL, creation time, modification time, and description.	Go debug
Querying Record Sets	hcloud DNS ListRecordSets	This API is used to query the record set information, including the domain name, ID, status, zone, record value, tag, TTL, creation time, modification time, and description.	Go debug
Deleting a Record Set	hcloud DNS DeleteRecordSet	This API is used to delete a record set when it is no longer used.	Go debug
Modifying a Record Set	hcloud DNS UpdateRecordSet	This API is used to modify the information of a record set, including the domain name, type, value, TTL, and description.	Go debug

Record Set Management (v2.1)

API Name	Command	Description	Operation
Creating a Record Set	hcloud DNS CreateRecordSet- WithLine	This API is used to add record sets of different types to a zone.	Go debug
Deleting Record Sets in a Zone in Batches	hcloud DNS BatchDeleteRecordSetWithLine	This API is used to batch delete record sets in a zone.	Go debug
Modifying Record Sets	hcloud DNS BatchUpdateRecordSetWithLine	This API is used to modify record sets in batches. This operation is atomic. It either modifies all record sets or does not modify any record set.	Go debug
Querying a Record Set	hcloud DNS ShowRecordSetWithLine	This API is used to query the record set information, including the name, ID, status, domain name, record value, tag, TTL, creation time, modification time, and description.	Go debug
Querying Record Sets	hcloud DNS ListRecordSetsWithLine	This API is used to query the record set information, including the domain name, ID, status, zone, record value, tag, TTL, creation time, modification time, and description.	Go debug
Batch Creating Record Sets with the Same Name and Type, But Different Routing Lines	hcloud DNS CreateRecordSet- WithBatchLines	This API is used to batch create record sets with the same name and type, but different routing lines. This operation is an atomic operation. If any parameter fails to pass the verification, the creation fails. Only public zones are supported.	Go debug

API Name	Command	Description	Operation
Querying Record Sets in a Zone	hcloud DNS ShowRecordSetBy Zone	This API is used to query information about all record sets in a specified zone. The information includes the domain name, ID, status, zone, record value, tags, TTL, creation time, modification time, and description.	Go debug
Deleting a Record Set	hcloud DNS DeleteRecordSets	This API is used to delete a record set when it is no longer used.	Go debug
Modifying a Record Set	hcloud DNS UpdateRecordSets	This API is used to modify the information of a record set, including the domain name, type, value, TTL, and description.	Go debug
Setting the Record Set Status	hcloud DNS SetRecordSetsStatus	This API is used to set the record set status such as disabling and enabling a record set.	Go debug
Querying Public Zone Lines	hcloud DNS ListPublicZoneLines	This API is used to query all resolution lines of a public zone after adding a record set to the zone.	Go debug
Batch Creating Record Sets	hcloud DNS BatchCreateRecordSetsTask	This API is used to submit the task for batch creating record sets and return the task ID.	Go debug
Querying the Task for Batch Creating Record Sets	hcloud DNS ShowBatchCreateRecordSetsTask	This API is used to query the task for batch creating record sets and return failed items by page.	Go debug
Deleting the Task for Batch Creating Record Sets	hcloud DNS DeleteBatchCreateRecordSetsTask	This API is used to delete the task for batch creating record sets.	Go debug

API Name	Command	Description	Operation
Querying Preset Resolution Lines	hcloud DNS ListSystemLines	This API is used to query preset resolution lines.	Go debug

PTR Record Management (v2)

API Name	Command	Description	Operation
Creating a PTR Record for an EIP	hcloud DNS CreateEipRecord-Set	This API is used to create a PTR record for an EIP.	Go debug
Querying a PTR Record of an EIP	hcloud DNS ShowPtrRecordSet	This API is used to query a PTR record of an EIP.	Go debug
Querying PTR Records of an EIP	hcloud DNS ListPtrRecords	This API is used to query PTR records of an EIP.	Go debug
Restoring the PTR Record of an EIP to the Default Value	hcloud DNS RestorePtrRecord	This API is used to restore the PTR record of an EIP to the default value.	Go debug
Modifying a PTR Record for an EIP	hcloud DNS UpdatePtrRecord	This API is used to modify a PTR record for an EIP.	Go debug

PTR Record Management (v2.1)

API Name	Command	Description	Operation
Creating a PTR Record for an EIP	hcloud DNS CreatePtr	This API is used to create a PTR record for an EIP.	Go debug
Querying PTR Records of an EIP	hcloud DNS ListPtrs	This API is used to query PTR records of an EIP.	Go debug
Querying a PTR Record of an EIP	hcloud DNS ShowPtr	This API is used to query a PTR record of an EIP.	Go debug
Modifying a PTR Record for an EIP	hcloud DNS UpdatePtr	This API is used to modify a PTR record for an EIP.	Go debug

API Name	Command	Description	Operation
Restoring the PTR Record of an EIP to the Default Value	hcloud DNS DeletePtr	This API is used to restore the PTR record of an EIP to the default value.	Go debug

Tags

API Name	Command	Description	Operation
Adding a Tag to a Specific Resource	hcloud DNS CreateTag	This API is used to add a tag to a specific resource.	Go debug
Deleting a Resource Tag	hcloud DNS DeleteTag	This API is used to delete a resource tag.	Go debug
Batch Adding or Deleting Tags for a Specific Instance	hcloud DNS BatchCreateTag	This API is used to batch add or delete tags for a specific instance.	Go debug
Querying Tags of a Specific Instance	hcloud DNS ShowResourceTag	This API is used to query tags of a specific instance.	Go debug
Querying All Tags of a Specific Resource	hcloud DNS ListTags	This API is used to query all tags of a specific resource.	Go debug
Querying Resources Using Tags	hcloud DNS ListTag	This API is used to query resources using tags.	Go debug

Custom Line Management

API Name	Command	Description	Operation
Creating a Custom Line	hcloud DNS CreateCustomLine	This API is used to create a custom line.	Go debug
Querying a Custom Line	hcloud DNS ListCustomLine	This API is used to query a custom line.	Go debug
Deleting a Custom Line	hcloud DNS DeleteCustomLine	This API is used to delete a custom line.	Go debug
Modifying a Custom Line	hcloud DNS UpdateCustomLine	This API is used to modify a custom line.	Go debug

API Name	Command	Description	Operation
Creating a Line Group	hcloud DNS CreateLineGroup	This API is used to create a line group. This API is not available in some regions. To use this API, submit a service ticket.	Go debug
Querying Line Groups	hcloud DNS ListLineGroups	This API is used to query the line groups. This API is not available in some regions. To use this API, submit a service ticket.	Go debug
Querying a Line Group	hcloud DNS ShowLineGroup	This API is used to query a line group. This API is not available in some regions. To use this API, submit a service ticket.	Go debug
Modifying a Line Group	hcloud DNS UpdateLineGroups	This API is used to modify a line group. This API is not available in some regions. To use this API, submit a service ticket.	Go debug
Deleting a Line Group	hcloud DNS DeleteLineGroup	This API is used to delete a line group. This API is not available in some regions. To use this API, submit a service ticket.	Go debug

Name Server Management

API Name	Command	Description	Operation
Querying Name Servers	hcloud DNS ListNameServers	This API is used to query name servers.	Go debug

Quota Management

API Name	Command	Description	Operation
Querying Resource Quotas	hcloud DNS ShowDomainQuota	This API is used to query DNS resource quotas of a tenant. The resources include public zones, private zones, record sets, PTR records, custom lines, line groups, inbound endpoints, outbound endpoints, and endpoint rules.	Go debug

Resolver Management

API Name	Command	Description	Operation
Creating an Endpoint	hcloud DNS CreateEndpoint	This API is used to create an endpoint.	Go debug
Querying Endpoints	hcloud DNS ListEndpoints	This API is used to query endpoints.	Go debug
Querying an Endpoint	hcloud DNS ShowEndpoint	This API is used to query an endpoint.	Go debug
Modifying an Endpoint	hcloud DNS UpdateEndpoint	Modifying an Endpoint	Go debug
Deleting an Endpoint	hcloud DNS DeleteEndpoint	This API is used to delete a VPC endpoint.	Go debug
Binding an IP Address to an Endpoint	hcloud DNS AssociateEndpointIpAddress	This API is used to bind an IP address to an endpoint.	Go debug
Querying IP Addresses	hcloud DNS ListEndpointIpAddresses	This API is used to query the IP addresses of an endpoint.	Go debug
Unbinding an IP Address from an Endpoint	hcloud DNS DisassociateEndpointIpAddress	This API is used to unbind an IP address from the endpoint.	Go debug
Querying VPCs of an Endpoint	hcloud DNS ListEndpointVpcs	This API is used to query the VPCs of an endpoint.	Go debug

API Name	Command	Description	Operation
Creating an Endpoint Rule	hcloud DNS CreateResolverRule	This API is used to create an endpoint rule.	Go debug
Querying Endpoint Rules	hcloud DNS ListResolverRules	This API is used to query endpoint rules.	Go debug
Associating a VPC with an Endpoint Rule	hcloud DNS AssociateResolverRuleRouter	This API is used to associate a VPC with an endpoint rule.	Go debug
Disassociating an Endpoint Rule from a VPC	hcloud DNS DisassociateResolverRuleRouter	This API is used to disassociate an endpoint rule from a VPC.	Go debug
Querying an Endpoint Rule	hcloud DNS ShowResolverRule	This API is used to query an endpoint rule.	Go debug
Modifying an Endpoint Rule	hcloud DNS UpdateResolverRule	This API is used to modify an endpoint rule.	Go debug
Deleting an Endpoint Rule	hcloud DNS DeleteResolverRule	This API is used to delete an endpoint rule.	Go debug

Access Logging Management

API Name	Command	Description	Operation
Creating a Resolver Access Logging Configuration	hcloud DNS CreateResolverQueryLogConfig	This API is used to create a resolver access logging configuration.	Go debug
Querying the List of Resolver Access Logging Configurations	hcloud DNS ListResolverQueryLogConfigs	This API is used to query the list of resolver access logging configurations.	Go debug
Associating a Resolver Access Logging Configuration with a VPC	hcloud DNS AssociateResolverQueryLogConfig	This API is used to associate a resolver access logging configuration with a VPC.	Go debug

API Name	Command	Description	Operation
Disassociating a Resolver Access Logging Configuration from the VPC	hcloud DNS DisassociateResolverQueryLogConfig	This API is used to disassociate a resolver access logging configuration from the VPC.	Go debug
Querying a Resolver Access Logging Configuration	hcloud DNS ShowResolverQueryLogConfig	This API is used to query a resolver access logging configuration.	Go debug
Deleting a Resolver Access Logging Configuration	hcloud DNS DeleteResolverQueryLogConfig	This API is used to delete a resolver access logging configuration.	Go debug

Batch Operations

API Name	Command	Description	Operation
Batch Deleting Zones	hcloud DNS BatchDeleteZones	This API is used to delete zones in batches.	Go debug
Batch Deleting Record Sets	hcloud DNS BatchDeleteRecordSets	This API is used to delete record sets in batches.	Go debug
Deleting PTR Records	hcloud DNS BatchDeletePtrRecords	This API is used to delete PTR records in batches. This is an atomic operation. All PTR records are either deleted completely or not deleted at all.	Go debug
Batch Setting Zone Status	hcloud DNS BatchSetZonesStatus	This API is used to set the status of zones in batches.	Go debug
Batch Setting the Status of Record Sets	hcloud DNS BatchSetRecordSetsStatus	This API is used to set the status of record sets in batches.	Go debug
Batch Querying Resources Related to DNS Query Statistics	hcloud DNS ListInstances	This API is used to batch query resources related to DNS query statistics.	Go debug

API Name	Command	Description	Operation
Creating Public Zones in Batches	hcloud DNS BatchCreatePublicZonesTask	This API is used to submit the task for creating public zones in batches and return the task ID.	Go debug
Creating Record Sets for Public Zones in Batches	hcloud DNS BatchCreateCombinedPublicRecordsetsTask	This API is used to submit the task for creating record sets for public zones in batches and return the task ID.	Go debug
Creating Record Sets for Public Zones in Batches	hcloud DNS BatchCreatePublicRecordsetsTask	This API is used to submit the task for creating record sets for public zones in batches and return the task ID.	Go debug
Deleting Record Sets from Public Zones in Batches	hcloud DNS BatchDeletePublicRecordsetsTask	This API is used to submit the task for deleting record sets from public zones in batches and return the task ID.	Go debug
Modifying Record Sets of Public Zones in Batches	hcloud DNS BatchUpdatePublicRecordsetsTask	This API is used to submit the task for modifying record sets of public zones in batches and return the task ID.	Go debug
Transferring Public Zones in Batches	hcloud DNS BatchTransferPublicZonesTask	This API is used to submit the task for transferring public zones in batches and return the task ID.	Go debug
Querying the Batch Operation Task List	hcloud DNS ListBatchOperationTasks	This API is used to query the list of batch operation tasks.	Go debug
Querying the Batch Operation Task	hcloud DNS ShowBatchOperationTask	This API is used to query batch operation tasks and return failed items by page.	Go debug

DNSSEC

API Name	Command	Description	Operation
Enabling DNSSEC	hcloud DNS EnableDnssecCon- fig	This API is used to enable DNSSEC for a public zone.	Go debug
Disabling DNSSEC	hcloud DNS DisableDnssecConf ig	This API is used to disable DNSSEC for a public zone.	Go debug
Querying DNSSEC	hcloud DNS ShowDnssecConfi g	This API is used to query DNSSEC for a public zone.	Go debug

Public Zone Check

API Name	Command	Description	Operation
Querying Domain Name Check Results of a Public Zone	hcloud DNS ShowDomainDete ction	This API is used to query domain name check results of a public zone.	Go debug
Querying Email Record Sets in a Public Zone	hcloud DNS ShowEmailRecord Set	This API is used to query email record sets in a public zone.	Go debug
Querying Website Record Sets in a Public Zone	hcloud DNS ShowWebsiteReco rdSet	This API is used to query website record sets in a public zone.	Go debug
Querying DNS Server Addresses of a Public Zone	hcloud DNS ShowZoneNameS erver	This API is used to query the DNS server addresses of a domain name and those provided by Huawei Cloud.	Go debug