

Alibaba Cloud CLI

Installation Guide

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK .
<code>Courier font</code>	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
{ } or {a b}	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand slave}</code>

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1 Overview

You can install Alibaba Cloud CLI by downloading the installation package or directly compiling the source code.

Alibaba Cloud CLI can be used on Windows, Linux, and MacOS (x64) systems.

Relevant documents for the different installation methods are listed in the following table. To install Alibaba Cloud CLI, you can follow the steps in the appropriate installation guide.

Installation methods	Related documents
Download the installation package	Select the installation learning path for your system: <ul style="list-style-type: none">· Windows· Linux· MacOS
Compile source code	Compile source code

2 Download the installation package

2.1 Windows

You can install Alibaba Cloud CLI on Windows by downloading the installation package.

Procedure

1. Log on to the [official website](#) or go to [GitHub](#) and download the windows terminal installation package named `aliyun - cli - windows - 3 . 0 . 16 - amd64 . zip`.
2. Unzip the `aliyun - cli - windows - 3 . 0 . 16 - amd64 . zip` file, and get the executable file named `aliyun . exe`.

3. Set the environment variables. You need to add the path of the directory where the `aliyun . exe` file is located to the `Path` environment variable.

a) Open the environment variable graphical interface. In the user variable set, select the `Path` variable, and click `Edit`.

b) Input the path to the directory where the `aliyun . exe` file is located.

c) Click `OK` on the `Edit environment variables` dialog box, then `OK` on the `Environment variables` dialog box.

d) Open the terminal, then run the following command to check whether the environment variable is configured successfully.

· `CMD` terminal:

```
set path
```

· `PowerShell` terminal:

```
env : path
```

4. Run the following command on the terminal to verify that Alibaba Cloud CLI is installed successfully.

```
aliyun version
```

The system displays the current version number, which indicates that the installation is successful. The following is an example response:

```
3 . 0 . 16
```

2.2 Linux

You can install Alibaba Cloud CLI on the Linux platform by downloading the installation package.

Procedure

1. Log on to the [official website](#) or visit [GitHub](#) and download the Linux terminal installation package named `aliyun - cli - linux - 3 . 0 . 16 - amd64 . tgz`.

2. Run the following command to unzip the file `aliyun - cli - linux - 3 . 0 . 16 - amd64 . tgz` in the directory named `$ HOME / aliyun`.

```
cd $ HOME / aliyun
```

```
tar xzvf aliyun - cli - linux - 3 . 0 . 16 - amd64 . tgz
```

**Note:**

Assume that you have already downloaded it to the `$ HOME / aliyun` directory.

3. Run the following command to move the `aliyun` program to the directory `/usr / local / bin`.

```
sudo cp aliyun /usr / local / bin
```

**Note:**

If you are the root user, remove the `sudo` part of the command before you run it.

2.3 MacOS

You can install Alibaba Cloud CLI on the MacOS platform by downloading the installation package.

Procedure

1. Log on to the [official website](#) or visit [GitHub](#) and download the MacOS terminal installation package named `aliyun - cli - macosx - 3 . 0 . 16 - amd64 . tgz`.
2. Run the following command to unzip the file `aliyun - cli - macosx - 3 . 0 . 16 - amd64 . tgz` in the directory named `$ HOME / aliyun`.

```
cd $ HOME / aliyun
tar xzvf aliyun - cli - macosx - 3 . 0 . 16 - amd64 . tgz
```

**Note:**

Assume that you have already downloaded it to the `$ HOME / aliyun` directory.

3. Run the following command to move the `aliyun` program to the directory `/usr / local / bin`.

```
sudo cp aliyun /usr / local / bin
```

**Note:**

If you are the root user, remove the `sudo` part of the command before you run it.

3 Compile source code

You can install Alibaba Cloud CLI by directly compiling the source code.

Prerequisites

Before you compile the Alibaba Cloud CLI source code, check the following:

- The following software is installed:
 - [Golang 1.10](#) and later versions
 - [git](#)
- The GOPATH environment variable is configured.

Procedure

1. Run the following command to download the `aliyun - cli` source code.

```
go get -u github.com/aliyun/aliyun-cli
```



Note:

The go get tool will be used when downloading the source code. When you use this tool to get the source code, if an error is returned indicating that there is no GO file in the package, ignore this error. The response format is as follows:

```
package github.com/aliyun/aliyun-openapi-meta : no
Go files in $GOPATH/src/github.com/aliyun/aliyun-openapi-meta
```

2. Run the following command to download the `aliyun - openapi - meta` source code.

```
go get -u github.com/aliyun/aliyun-openapi-meta
```

3. Run the following command to download and install the `go - bindata` packaging tool.

```
go get -u github.com/jteeuwen/go-bindata/...
```



Note:

This command will be automatically compile the `go - bindata` tool, and place the binary file in the `$GOPATH/bin` directory.

4. Run the following command to go to the `aliyun - cli` project directory.

```
cd $ GOPATH / src / github . com / aliyun / aliyun - cli
```

5. Run the following command to package the files in `aliyun - openapi - meta`.

```
go - bindata - o resource / metas . go - pkg resource -  
prefix ../ aliyun - openapi - meta ../ aliyun - openapi - meta  
/...
```



Note:

Before running, you need to add the `$ GOPATH / bin` directory to your `PATH` environment variable.

6. Run the relevant command for your operating system to compile the source code:

- Linux or macOS:

```
go build - o out / aliyun main / main . go
```

- Windows:

```
go build - o out / aliyun . exe main / main . go
```



Note:

The generated binary file is saved in the `aliyun - cli / out` directory.

The default version is 0.0.1. To specify the version number, use the `- ldflags` option. Run the following command with the required the version number, and then compile it. The following example uses the 3.0.16 version number.

```
go build - ldflags "- X ' github . com / aliyun / aliyun - cli  
/ cli . Version = 3 . 0 . 16 '" - o out / aliyun main / main .  
go
```

7. After the code is compiled, you must add the path of the directory where the generated binary file is located to the `PATH` environment variable, or move the file to the `PATH` environment variable directory.



Note:

For Linux or macOS, the `aliyun` file is usually moved to the `/ usr / local / bin` folder.

8. Execute the `aliyun` command to test whether Alibaba Cloud CLI is successfully installed.

If the system then displays the following help information (partially truncated), the installation is successful:

```
Alibaba Cloud Command Line Interface Version 3.0.16

Usage :
  aliyun < product > < operation > [-- parameter1 value1 --
parameter2 value2 ...]

Commands :
  configure          configure credential and settings
  oss                Object Storage Service
  auto - completion enable auto completion

Flags :
  -- mode            use `-- mode { AK | StsToken | RamRoleArn
| EcsRamRole | RsaKeyPair }` to assign authenticat e mode
  -- profile ,- p    use `-- profile < profileNam e >` to
select profile
  -- language       use `-- language [ en | zh ]` to
assign language
  -- region         use `-- region < regionId >` to assign
region
  -- config - path  use `-- config - path ` to specify
the configurat ion file path
  -- access - key - id use `-- access - key - id <
AccessKeyI d >` to assign AccessKeyI d , required in AK
/ StsToken / RamRoleArn mode
  -- access - key - secret use `-- access - key - secret <
AccessKeyS ecret >` to assign AccessKeyS ecret
  -- sts - token    use `-- sts - token < StsToken >` to
assign StsToken
  -- ram - role - name use `-- ram - role - name <
RamRoleNam e >` to assign RamRoleNam e
  -- ram - role - arn use `-- ram - role - arn < RamRoleArn
>` to assign RamRoleArn
...
```