Alibaba Cloud
Alibaba Cloud SDK

Go SDK

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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.	📋 **Note:** 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**.
`Courier font`	It is used for commands.	Run the `cd /d C:/windows` command to enter the Windows system folder.
Italics	It is used for parameters and variables.	`bae log list --instanceid` *`Instance_ID`*
[] or [a|b]	It indicates that it is a optional value, and only one item can be selected.	`ipconfig` *`[-all|-t]`*
{} or {a|b}	It indicates that it is a required value, and only one item can be selected.	`swich` *`{stand	slave}`*

Contents

1 Get started

The Alibaba Cloud Go Software Development Kit (SDK) allows you to access Alibaba Cloud services such as Elastic Compute Service (ECS), Server Load Balancer (SLB), and CloudMonitor. You can access Alibaba Cloud services without the need to handle API related tasks, such as signing and constructing your requests. This document introduces how to obtain and call Alibaba Cloud Go SDK. If you have any problem while using Go SDK, please join the DingTalk group: 11771185 (the official SDK customer service group of Alibaba Cloud) for consultation.

Prepare the environment

- To use Alibaba Cloud Go SDK, you must have an Alibaba Cloud account as well as an AccessKey. The AccessKey is required when initializing AcsClient. You can create an AccessKey in the *AccessKey console* of Alibaba Cloud console.
- To use Alibaba Cloud Go SDK to access the APIs of a product, you must first activate the product on the Alibaba Cloud console if required.

Install Go SDK

Run the following commands to install Alibaba Cloud Go SDK:

```
glide get github.com/aliyun/alibaba-cloud-sdk-go
```

Use Go SDK

The following code example shows the three main steps to use Alibaba Cloud Go SDK:

1. Create the client.
2. Create an API request and set parameters.
3. Initiate the request and handle exceptions.

```
package main

import (
    "github.com/aliyun/alibaba-cloud-sdk-go/services/ecs"
    "github.com/aliyun/alibaba-cloud-sdk-go/sdk/requests"
    "fmt"
)

func main() {
    // Create an ECS client
    ecsClient, err := ecs.NewClientWithAccessKey(
        "<Your-region-ID>", // your region ID
        "<Your-access-key-ID>", // your AccessKey ID
        "<your-access-key-secret>") // your AccessKey Secret
    if err ! = nil {
        // Handle exceptions
        panic(err)
```

```
 // Create an API request and set parameters
request := ecs.CreateDescribeInstancesRequest()
// Set the request.PageSize to "10"
request.PageSize = requests.NewInteger(10)
// Initiate the request and handle exceptions
response, err := ecsClient.DescribeInstances(request)
if err ! = nil {
    // Handle exceptions
    panic(err)

fmt.Println(response)
```