Alibaba Cloud
Domain

SDK Reference (New)

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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**.
`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]`*

Style	Description	Example
{} or {a|b}	**It indicates that it is a required value, and only one item can be selected.**	`swich` *{stand | slave}*

Contents

1 SDK manual

Currently, Alibaba Cloud provides SDKs in four languages: Java, Python, PHP, and C #. The following links provide the download, installation, and usage guide for each language:

- *Java*

- *Python*

- *PHP*

- *C#*

If you want SDKs in other languages, select a third-party SDK service.

Quick start

Java

The following example describes how to install and use the Java SDK:

1. On the Alibaba Cloud official website, create and manage your AccessKey.

2. Install the SDK by using Maven.

    a. Add the Maven library.

    ```
    < repositori  es >
        < repository >
            < id > sonatype - nexus - staging </ id >
            < name > Sonatype   Nexus   Staging </ name >
            < url > https :// oss . sonatype . org / service / local
     / staging / deploy / maven2 /</ url >
            < releases >
                < enabled > true </ enabled >
            </ releases >
            < snapshots >
                < enabled > true </ enabled >
            </ snapshots >
        </ repository >
    </ repositori  es >
    ```

    b. Add the JAR package dependency.

    ```
    < dependency >
     < groupId > com . aliyun </ groupId >
     < artifactId > aliyun - java - sdk - domain - intl </ artifactId
     >
        < version > 1 . 0 . 0 </ version >
    </ dependency >
    < dependency >
     < groupId > com . aliyun </ groupId >
     < artifactId > aliyun - java - sdk - core </ artifactId >
        < version > 3 . 5 . 0 </ version >
    ```

```
</ dependency >
```

c. **Sample code. The following example submits bulk domain name registration tasks:**

```
import   java . util . ArrayList ;
import   com . aliyuncs . DefaultAcs   Client ;
import   com . aliyuncs . IAcsClient ;
import   com . aliyuncs . domain_int  l . model . v20171218 .
SaveBatchT  askForCrea   tingOrderA   ctivateReq   uest ;
import   com . aliyuncs . domain_int  l . model . v20171218
.  SaveBatchT   askForCrea   tingOrderA   ctivateReq   uest .
OrderActiv   ateParam ;
import   com . aliyuncs . domain_int  l . model . v20171218 .
SaveBatchT  askForCrea   tingOrderA   ctivateRes   ponse ;
import   com . aliyuncs . exceptions . ClientExce   ption ;
import   com . aliyuncs . exceptions . ServerExce   ption ;
import   com . aliyuncs . profile . DefaultPro   file ;
import   com . aliyuncs . profile . IClientPro   file ;
public   class   DomainSdkD  emo {
    private   static   IAcsClient   client =  null ;
   // Initialize   the   client .
    static  {
        String   regionId = " ap – southeast – 1 "; // Use   the
   region   value   such   as  " ap – southeast – 1 "  for   the
domain   name   SDK .
        String   accessKeyI  d = ""; //  your   accessKey
        String   accessKeyS  ecret = "";//  your   accessSecr
et
        IClientPro  file   profile = DefaultPro   file .
getProfile ( regionId , accessKeyI  d ,  accessKeyS  ecret );
        // If   the   error   message  " Can   not   find
endpoint   to   access " is   returned , add   the   following
  code :
        //  DefaultPro  file . addEndpoin  t (" ap – southeast – 1
 ", " ap – southeast – 1 ", " Domain – intl ", " domain – intl .
aliyuncs . com ");
        client = new   DefaultAcs  Client ( profile );
   }
    public   static   void   main ( String [] args ) {
        // Initialize   the   request .
        SaveBatchT  askForCrea   tingOrderA   ctivateReq   uest
request = new   SaveBatchT  askForCrea   tingOrderA   ctivateReq
uest ();
        //  request . setProtoco  l ( ProtocolTy  pe . HTTPS ); //
Specify   the   access   protocol .
        //  request . setAcceptF  ormat ( FormatType . JSON ); //
Specify   the   return   format   of   the   API .
        //  request . setMethod ( MethodType . POST ); // Specify
   the   request   method .
        ArrayList < OrderActiv  ateParam > list = new
ArrayList < OrderActiv  ateParam >();
        OrderActiv  ateParam   orderActiv  ateParam = new
OrderActiv  ateParam ();
        orderActiv  ateParam . setDomainN  ame (" yourdomain .
com ");
        orderActiv  ateParam . setRegistr  antProfile  Id ( 0L );
        orderActiv  ateParam . setEnableD  omainProxy ( false );
        orderActiv  ateParam . setSubscri  ptionDurat  ion ( 1 );
        orderActiv  ateParam . setPermitP  remiumActi  vation (
false );
        list . add ( orderActiv  ateParam );
```

```
        request . setOrderAc  tivatePara  ms ( list );
        // Call   the   API   and   resolve   the   result .
         try  {
            // IAcsClient   provides   two   types   of   result
returning .  One   is   to   call   the   doAction   method   to
  obtain   the   original   API   call   result ,  that   is ,
return   the   result   of   the   HttpRespon  se   type .  The
sample   code   is   as   follows :
            // HttpRespon  se   httpRespon  se  =  client .
doAction ( describeCd  nServiceRe  quest );
            // System . out . println ( httpRespon  se . getUrl
());
            // System . out . println ( new   String ( httpRespon
se . getContent ()));
            // Another   is   to   call   the   getAcsResp  onse
  method   to   obtain   the   deserializ  ed   object .  The
sample   code   is   as   follows :
            SaveBatchT  askForCrea  tingOrderA  ctivateRes  ponse
  response  =  client . getAcsResp  onse ( request );
            System . out . println ( response . getTaskNo ());
        }  catch  ( ServerExce  ption   e ) {
            e . printStack  Trace ();
        }  catch  ( ClientExce  ption   e ) {
            e . printStack  Trace ();
        }
    }
}
```