Alibaba Cloud
ApsaraDB for HBase

SDK reference

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Document conventions

Style	Description	Example
	A danger notice 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.
	A warning notice 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 restart an instance.
	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	**Notice:** If the weight is set to 0, the server no longer receives new requests.
	A note indicates supplemental instructions, best practices, tips, and other content.	**Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings** > **Network** > **Set network type**.
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click **OK**.
Courier font	Courier font is used for commands.	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	bae log list --instanceid Instance_ID
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	ipconfig [-all|-t]

Style	Description	Example
{} or {a|b}	This format is used for a required value, where only one item can be selected.	switch {active|stand}

Contents

1 SDK reference

Note: This topic describes the SDKs for the ApsaraDB for HBase API. The SDKs are used to manage ApsaraDB for HBase instances. For example, you can create, scale out, and delete instances, configure whitelists, and manage tags. These SDKs are different from the native SDKs used to develop HBase clients. Pay close attention to the differences.ApsaraDB for HBase API support the following types of SDKs:

- SDK for Java

- SDK for Python

- SDK for PHP

- SDK for .NET

- SDK for Go

[Download and use Alibaba Cloud SDK](#)

Note: The following versions are for reference only. Download the latest versions of SDKs through Maven.

```
<dependency>
 <groupId>com.aliyun</groupId>
 <artifactId>aliyun-java-sdk-hbase</artifactId>
 <version>2.0.0</version>
</dependency>
<dependency>
 <groupId>com.aliyun</groupId>
 <artifactId>aliyun-java-sdk-core</artifactId>
 <version>4.4.7</version>
</dependency>
```

2 Reference for Alibaba Cloud SDK for Java

This topic describes how to install the Alibaba Cloud SDK for Java and then call the ApsaraDB for HBase API. By using Alibaba Cloud SDK for Java, you can manage ApsaraDB for HBase instances without the need of coding. For example, you can create, upgrade, delete instances, configure whitelists, and manage tags. For more information, see API reference. Note that Alibaba Cloud SDK for Java is different from the SDKs used to develop HBase clients. This topic describes how to install and use Alibaba Cloud SDK for Java.

1. Create an AccessKey pair

Online debugging and SDK demo generation

OpenApi Explorer provides features such as calling APIs of cloud products online, dynamically generating SDK demos, and quickly searching for APIs, which can significantly simplify your work of using APIs. We recommend that you use OpenAPI Explorer. Select ApsaraDB for HBase on the Home page. Alibaba Cloud provides a list of API operations and SDK demos in different languages for your reference.

1. Install Alibaba Cloud SDK for Java

Note: When you use Maven to download the SDK package, make sure that the latest SDK version is downloaded.

2. Demo

1) Set environment parameters.

```
DefaultProfile profile = DefaultProfile.getProfile("cn-hangzhou",
        "LTAI4FnvzUftE**********", "PxPzgelK1XCkWBXW**********");
    // The following parameters are optional. You can use the default settings.
    DefaultProfile.addEndpoint(
        "cn-hangzhou",    // The region ID
        "hbase",    // The product code
        "hbase.aliyuncs.com"    // The endpoint, which is the domain name
    );
```

2) Initialize the client.

```
IAcsClient client = new DefaultAcsClient(profile);
```

3) Construct the request object.

```
DescribeInstanceRequest request = new DescribeInstanceRequest();
```

```
request.setClusterId("ap-****************");
```

4) Initiate a call.

```
DescribeInstanceResponse response;
    try {
        response = client.getAcsResponse(request);
        System.out.println(new Gson().toJson(response));
    } catch (ClientException e) {
        e.printStackTrace();
    }
```

Examples

```
DefaultProfile profile = DefaultProfile.getProfile("cn-hangzhou",
        "ak****************", "akSecret********************");
    DefaultProfile.addEndpoint(
        "cn-hangzhou",    // The region ID
        "hbase",    // The product code
        "hbase.aliyuncs.com"    // The endpoint, which is the domain name
    );
    IAcsClient client = new DefaultAcsClient(profile);
    DescribeInstanceRequest request = new DescribeInstanceRequest();
    request.setClusterId("ap-******************");
    DescribeInstanceResponse response;
    try {
        response = client.getAcsResponse(request);
        System.out.println(new Gson().toJson(response));
    } catch (ClientException e) {
        e.printStackTrace();
    }
```

Sample responses

```
{
    "requestId":"2817B189-6927-41E0-879F-********",
    "instanceId":"ap-****************",
    "instanceName":"myInstanceName",
    "status":"ACTIVATION",
    "payType":"PayAsYouGo",
    "createdTime":"2019-10-31T21:50:14",
    "majorVersion":"2.0",
    "minorVersion":"2.4.3.1",
    "engine":"spark",
    "networkType":"VPC",
    "vpcId":"vpc-****************",
    "vswitchId":"vsw-****************",
    "masterInstanceType":"spark.sn1.medium",
    "masterNodeCount":2,
    "masterDiskType":"",
    "masterDiskSize":0,
    "coreInstanceType":"spark.sn1.large",
    "coreNodeCount":4,
    "coreDiskType":"cloud_efficiency",
    "coreDiskSize":100,
    "regionId":"cn-hangzhou",
    "zoneId":"cn-hangzhou-f",
    "coldStorageStatus":"close",
    "backupStatus":"close",
    "tags":[
```

```
    ]
}
```