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ApsaraDB for MongoDB SDK Reference

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Document conventions

Style	Description	Example Danger: Resetting will result in the loss of user configuration data.			
<u> Danger</u>	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.				
<u> </u>	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.			
Notice	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.			
? Note	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 listinstanceid Instance_ID			
[] or [a b]	This format is used for an optional value, where only one item can be selected.	ipconfig [-all -t]			
{} or {a b}	This format is used for a required value, where only one item can be selected.	switch {active stand}			

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1.Download SDKs

This topic describes the SDKs supported on ApsaraDB for MongoDB.

- SDK for Java
- SDK for Python
- SDK for PHP
- SDK for .NET
- SDK for Go

For more information, see the README files on GitHub.

2.Use ApsaraDB for MongoDB SDK for Java

This topic describes how to use ApsaraDB for MongoDB SDK for Java and provides examples for your reference.

Prerequisites

• An AccessKey pair is created. For more information, see Create an AccessKey pair.

Warning We recommend that you create a Resource Access Management (RAM) user, grant the RAM user the permissions to access ApsaraDB for MongoDB, and then use the AccessKey pair of the RAM user to call ApsaraDB for MongoDB SDK for Java. This way, you can protect the AccessKey pair of your Alibaba Cloud account and prevent security risks. For more information, see Implement access control by using RAM.

• The ApsaraDB for MongoDB SDK software package for Java is downloaded. For more information, see Download SDKs.

Install ApsaraDB for MongoDB SDK for Java

For more information, see Install Alibaba Cloud SDK for Java.

Call ApsaraDB for MongoDB SDK for Java

1. Specify the region and the AccessKey pair.

IClientProfile profile = DefaultProfile.getProfile("<RegonId>","<accessKeyId>","<access Secret>");

? Note

- o <RegonId>: the ID of the region
- <accessKeyld>: the AccessKey ID of the RAM user
- <accessSecret>: the AccessKey secret of the RAM user
- 2. (Optional)Specify the endpoint.

An endpoint is the API server address of an Alibaba Cloud service. Each service may have different endpoints in different regions. Each Alibaba Cloud SDK has a built-in endpoint addressing module. When you call an Alibaba Cloud SDK to request access to a service from a client, the SDK automatically identifies the endpoint based on the region ID that you specified when you created the client and based on the service ID. This step is optional. For more information about the endpoints of ApsaraDB for MongoDB in different regions, see Endpoints.

DefaultProfile.addEndpoint("<endpointName>","<RegonId>", "dds", "<domain>");

- ? Note
 - o <endpoint Name>: the endpoint of ApsaraDB for MongoDB in the region.
 - < Regonld>: the ID of the region. For more information, see Regions and zones.
 - <domain>: the domain name of the region. For more information, see Endpoints.
- 3. Initialize the client.

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

4. Create an API request and configure the request parameters.

The following code snippet is an example that shows how to create and configure a request to call the DescribeAccounts operation:

```
DescribeAccountsRequest request = new DescribeAccountsRequest();
    request.setDBInstanceId("dds-*****");
    request.setAccountName("root");
```

5. View the response.

```
DescribeAccountsResponse response = client.getAcsResponse(request);
```

Sample requests

```
import com.alibaba.fastjson.JSON;
import com.aliyuncs.DefaultAcsClient;
import com.aliyuncs.dds.model.v20151201.DescribeAccountsRequest;
import com.aliyuncs.dds.model.v20151201.DescribeAccountsResponse;
import com.aliyuncs.profile.DefaultProfile;
import com.aliyuncs.profile.IClientProfile;
public class ApiDescribeAccountsTest {
     public static void main(String[] args ){
        IClientProfile profile = DefaultProfile.getProfile("cn-qingdao", "******", "****
*****");
         //Initialize the client.
        DefaultAcsClient client = new DefaultAcsClient(profile);
        DescribeAccountsRequest request = new DescribeAccountsRequest();
        request.setDBInstanceId("dds-******");
        request.setAccountName("root");
             DescribeAccountsResponse response = client.getAcsResponse(request);
             String s = JSON.toJSONString(response);
            System.out.println(s);
        catch (Exception e) {
             e.printStackTrace();
```

Sample success responses

null

References

For more information, see Java SDK Developer Guide.