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# Document conventions

<table>
<thead>
<tr>
<th>Style</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚠️</td>
<td>A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.</td>
<td>⚠️ Danger: Resetting will result in the loss of user configuration data.</td>
</tr>
<tr>
<td>⚠️</td>
<td>A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.</td>
<td>⚠️ Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.</td>
</tr>
<tr>
<td>!!!</td>
<td>A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.</td>
<td>!!! Notice: If the weight is set to 0, the server no longer receives new requests.</td>
</tr>
<tr>
<td>💻</td>
<td>A note indicates supplemental instructions, best practices, tips, and other content.</td>
<td>💻 Note: You can use Ctrl + A to select all files.</td>
</tr>
<tr>
<td>&gt;</td>
<td>Closing angle brackets are used to indicate a multi-level menu cascade.</td>
<td>Click Settings &gt; Network &gt; Set network type.</td>
</tr>
<tr>
<td><strong>Bold</strong></td>
<td>Bold formatting is used for buttons, menus, page names, and other UI elements.</td>
<td>Click OK.</td>
</tr>
<tr>
<td><strong>Courier font</strong></td>
<td>Courier font is used for commands.</td>
<td>Run the <code>cd /d C:/window</code> command to enter the Windows system folder.</td>
</tr>
<tr>
<td><em>Italic</em></td>
<td>Italic formatting is used for parameters and variables.</td>
<td><code>bae log list --instanceid Instance_ID</code></td>
</tr>
<tr>
<td>[ ] or [a</td>
<td>b]</td>
<td>This format is used for an optional value, where only one item can be selected.</td>
</tr>
<tr>
<td>Style</td>
<td>Description</td>
<td>Example</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>{} or {a</td>
<td>b}</td>
<td>This format is used for a required value, where only one item can be selected.</td>
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1 Download SDKs

ApsaraDB for MongoDB supports the following SDKs:

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

For more information, see the README files on GitHub.
2 Java SDK

This topic describes how to use the Java Software Developer Kit (SDK) of ApsaraDB for MongoDB. Examples are also provided for your reference.

Prerequisites

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

⚠️ Warning:
To protect the AccessKey pair of your Alibaba Cloud account, we recommend that you create a RAM user, grant the RAM user the permissions to access ApsaraDB for MongoDB, and then use the AccessKey of the RAM user to call the Java SDK. For more information, see Resource Access Management.

- You have downloaded the SDK installation package of ApsaraDB for MongoDB. For more information, see Download SDKs.

Install the SDK

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

Procedure

1. Set the region and AccessKey pair.

```java
IClientProfile profile = DefaultProfile.getProfile("<RegonId>","<accessKeyId>","<accessSecret>");
```

Note:

- `<RegonId>`: the region ID.
- `<accessKeyId>`: the AccessKey ID of the RAM user.
- `<accessSecret>`: the AccessKey secret of the RAM user.

2. Optional: Set the endpoint.

An endpoint is the API server address of an Alibaba Cloud service. Each service may have different endpoints in different regions. An endpoint addressing module is built in the Alibaba Cloud SDK. When you call the SDK to initiate a request to a service, the SDK automatically identifies the endpoint based on the region ID that you specified when creating the SDK client and the service ID.
Therefore, this step is optional. For more information about the endpoints of different regions, see #unique_5/unique_5_Connect_42_section_ers_gk4_kfb.

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

**Note:**
- `<endpointName>`: the name of the endpoint.
- `<RegonId>`: the region ID. For more information, see Regions and zones.
- `<domain>`: the endpoint information. For more information, see #unique_5/unique_5_Connect_42_section_ers_gk4_kfb.

3. Initiate the client.

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

4. Create an API request and configure its parameters.

The following code is based on the DescribeAccounts request.

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

5. View the response.

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

Sample request

```java
port 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 {
    IClientProfile profile = DefaultProfile.getProfile("cn-qingdao",
        "********", "**********");
    //Initialize the client.
    DefaultAcsClient client = new DefaultAcsClient(profile);
    DescribeAccountsRequest request = new DescribeAccountsRequest();
    request.setDBInstanceId("dds-********");
    request.setAccountName("root");
    try {
        DescribeAccountsResponse response = client.getAcsResponse(request);
        String s = JSON.toJSONString(response);
        System.out.println(s);
    }
    catch (Exception e) {
```
```java
    e.printStackTrace();
    }
```

Sample response

```json
{"accounts":[{"accountName":"root","accountStatus":"Available","dBInstanceId":"dds-********"}],"requestId":"4D********-9640ED88F3C4"}
```

References

**For more information, see** Use Alibaba Cloud SDK for Java.