

Mobile Security

SDK Reference

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SDK Download

Currently, only Java is supported

aliyun-java-sdk-core-2.4.1.jar

aliyun-java-sdk-jaq-2.0.1.jar

Java-SDK

Tutorial

Create an Access Key

Log on to the Mobile Security console.

Click **AccessKeys** on the top bar of the page.

Click **Creat Access Key** to perform the operation.

Install the SDK

Create a Maven project.

Import the Mobile Security interface dependency. The server SDK of Mobile Security consists of two parts. The public part depends on aliyun-java-sdk-core, and the Mobile

Security part depends on aliyun-java-sdk-jaq.

```
<dependency>
<groupId>com.aliyun</groupId>
<artifactId>aliyun-java-sdk-core</artifactId>
<version>2.4.1</version>
</dependency>
<dependency>
<groupId>com.aliyun</groupId>
<artifactId>aliyun-java-sdk-jaq</artifactId>
<version>2.0.1</version>
</dependency>
```

Vulnerability scan sample code

Vulnerability scan

```
public class ScanVulnTest {
IAcsClient client = null;

@BeforeMethod
public void init() throws ClientException {
// Replace them with the caller's Access Key and Access Key Secret
IClientProfile profile = DefaultProfile.getProfile("cn-hangzhou", "your key", "your secret");
// Initialize an IAcsClient object
client = new DefaultAcsClient(profile);
}

private String getAppInfo() {
JSONObject appInfo = new JSONObject();
appInfo.put("dataType", 1);
appInfo.put("data",
"https://g01.alibaba-inc.com/tfscom/LB1PaMeKXXXXXX8FXXXXXXXXXXX.tfsprivate1446115983140-375");
appInfo.put("md5", "ce86f08da845d0af6d9df2a958de17b0");
appInfo.put("size", 1713656);
appInfo.put("callbackUrl", "https://aaa.com/callback");
appInfo.put("appOsType", 1);

return appInfo.toJSONString();
}

@Test
public void testScanVuln() {
ScanVulnRequest request = new ScanVulnRequest();
request.setExtParam("ext message - scan vuln by xidong111.");
request.setAppInfo(getAppInfo());
}
```

```
try {
    ScanVulnResponse response = client.getAcsResponse(request);

    System.out.println("error code : " + response.getErrorCode());
    System.out.println("error msg : " + response.getErrorMsg());

    Data data = response.getData();
    //todo
} catch (Exception e) {
    e.printStackTrace();
}
}
```

Vulnerability scan result query

```
public class GetRiskDetailTest {
    IAcsClient client = null;

    @BeforeMethod
    public void init() throws ClientException {
        // Replace them with the caller's Access Key and Access Key Secret
        IClientProfile profile = DefaultProfile.getProfile("cn-hangzhou", "your key", "your secret");
        // Initialize an IAcsClient object
        client = new DefaultAcsClient(profile);
    }

    @Test
    public void test() {
        GetRiskDetailRequest request = new GetRiskDetailRequest(); request.setItemId("b888cd36-a5e4-4103-85d3-5ab0c330a5d3");
        try {
            GetRiskDetailResponse response = client.getAcsResponse(request);

            System.out.println("error code : " + response.getErrorCode());
            System.out.println("error msg : " + response.getErrorMsg());

            Data data = response.getData();
            //todo
        } catch (ServerException e) {
            e.printStackTrace();
        } catch (ClientException e) {
            e.printStackTrace();
        }
    }
}
```

APP hardening sample code

APP hardening

```
public class DiyShieldTest {
    IAcsClient client = null;

    @BeforeMethod
    public void init() throws ClientException {
        // Replace them with the caller's Access Key and Access Key Secret
        IClientProfile profile = DefaultProfile.getProfile("cn-hangzhou", "your key", "your secret");
        // Initialize an IAcsClient object
        client = new DefaultAcsClient(profile);
    }

    @Test
    public void testDiyShield() {
        // Request the object
        DiyShieldRequest request = new DiyShieldRequest();
        // Set input parameters
        request.setAppInfo(getAppInfo());
        request.setChannel(getChannel());
        request.setEnhance(getEnhance());

        try {
            // Obtain the request result
            DiyShieldResponse response = client.getAcsResponse(request);

            System.out.println("error code : " + response.getErrorCode());
            System.out.println("error msg : " + response.getErrorMsg());

            Data data = response.getData();
            //todo
        } catch (ServerException e) {
            e.printStackTrace();
        } catch (ClientException e) {
            e.printStackTrace();
        }
    }

    private String getChannel() {
        JSONObject channel = new JSONObject();
        channel.put("metaName", "channel");
        List<String> values = new ArrayList<>();
        values.add("91");
        values.add("360");

        channel.put("values", values);

        return channel.toJSONString();
    }

    private String getAppInfo() {
        JSONObject appInfo = new JSONObject();
        appInfo.put("dataType", 1);
        appInfo.put("data",
```

```
"https://g01.alibaba-inc.com/tfscm/LB1PaMeKXXXXXX8FXXXXXXXXXX.tfsprivate1446115983140-375");
appInfo.put("md5", "ce86f08da845d0af6d9df2a958de17b0");
appInfo.put("size", 1713656);
appInfo.put("callbackUrl", "https://aaa.com/callback");
appInfo.put("appOsType", 1);

return appInfo.toJSONString();
}

private String getEnhance() {
return "{\"enhanceType\": -1, 'javaAntiDex2jar': {'percent': 20}, 'javaConstEncrypt': {'percent': 20}, 'soEnhance': {'enhanceType': 1, 'soFileList': ['lib/armeabi/libbitmaps.so', 'lib/armeabi/libgifimage.so']}}";
}
}
```

APP hardening result query

```
public class GetShieldResultTest {
IAcsClient client = null;

@BeforeMethod
public void init() throws ClientException {
// Replace them with the caller's Access Key and Access Key Secret
IClientProfile profile = DefaultProfile.getProfile("cn-hangzhou", "your key", "your secret");
// Initialize an IAcsClient object
client = new DefaultAcsClient(profile);
}

@Test
public void testGetShieldResult() {
GetShieldResultRequest request = new GetShieldResultRequest();
request.setItemId("366ce1a0-8b71-4409-bfcc-961811805077");

try {
GetShieldResultResponse response = client.getAcsResponse(request);

System.out.println("error code : " + response.getErrorCode());
System.out.println("error msg : " + response.getErrorMsg());

Data data = response.getData();
//todo
} catch (ServerException e) {
e.printStackTrace();
} catch (ClientException e) {
e.printStackTrace();
}
}
}
```