

Chunghwa Telecom hicloud S3

Java SDK Developer Guide



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Getting Started

To get started with the hicloud S3 SDK for Java, you need to set up the following:

- ◆ hicloud S3 Account and Credentials
- ◆ Java Development Environment
- ◆ hicloud S3 SDK for Java

hicloud S3 Account and Credentials

To access hicloud S3, you will need to sign up for a hicloud S3 account.

To sign up for a hicloud S3 account

1. Go to <http://hicloud.hinet.net/>
2. Follow the on-screen instructions.

When you sign up, hicloud S3 provides you with security credentials that are specific to your account. Two of these credentials, your access key ID and your secret key, are used by the SDK whenever it accesses to hicloud S3. The security credentials authenticate requests to the service and identify you as the sender of a request. The following examples show these credentials.

- ◆ Access Key ID Example:
U0U03U5UQXdNREI4TkRFek5UZ3hNek0yTURZd09EWJ0
- ◆ Secret Key Example:
WW1NNU9XVTNOLFF34kRNMk5DRTVaV0ZrTVRjMFpEVTFOV1kxWkRZeFIUT
T0

Your secret key must remain a secret that is known only by you and hicloud S3. Keep it confidential in order to protect your account. Store it securely in a safe place, and never email it. Do not share it outside your organization, even if an inquiry appears to come from hicloud S3. No one who legitimately represents hicloud S3 will ever ask you for your secret key.

Java Development Environment

The hicloud S3 SDK for Java requires J2SE Development Kit 6.0 or later. The SDK also uses the Apache Commons (Code, HTTP Client, and Logging), and Saxon HE third-party packages, which are included in the third-party directory of the SDK.

Get the hicloud S3 SDK for Java

Download the hicloud S3 SDK for Java from the SDK web page at <http://aws.amazon.com/sdkforjava>. After downloading the SDK, extract the contents into a folder.

Code Sample

The SDK/samples folder includes hicloud S3 code sample. This sample demonstrates how to use the basic features for hicloud S3, such as putting and getting an object from hicloud S3.

◆ To run a sample using Eclipse

1. Open Eclipse
2. Create a new Java project. In Eclipse, on the **File** menu, point to **New**, and then click **Java Project**. The **Create a Java Project** wizard opens.
3. Enter **S3Sample** as project name in the **Project Name** box.
4. Click **Finish**. The project is created and added to the **Project Explorer**.
5. Copy S3Sample.java and AwsCredentials.properties into Workspace/S3Sample/src.
6. In main function of S3Sample.java, add

「 Constants.S3_HOSTNAME="s3.hicloud.net.tw"; 」 and

「 System.setProperty("com.amazonaws.sdk.disableCertChecking", "true"); 」 to configure hostname and HTTPS connection.

◆ **To add the SDK to an existing project**

1. Right-click the project in Project Explorer, point to **Properties**, and then clicks **Java Build Path**.
2. Select **Libraries**, and then click **Add External JARs** and chose **all the needed jar files** and press **OK** to finish the procedure.

◆ **To run the Project**

1. Select the sample.java file you want to run. For example, S3Sample.java.
2. Select **Run** from the Run menu.



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