

**Chunghwa Telecom hicloud S3**

**.NET SDK Developer Guide**



## 目錄

<b>Getting Started.....</b>	<b>2</b>
hicloud S3 Account and Credentials .....	2
.NET Development Environment .....	3
Get the hicloud S3 SDK for .NET .....	3
Code Sample .....	3



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## Getting Started

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

- ◆ hicloud S3 Account and Credentials
- ◆ .NET Development Environment
- ◆ hicloud S3 SDK for .NET

### 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.

## .NET Development Environment

To use the hicloud S3 SDK for .NET, you'll need the following software:

- ◆ Microsoft .NET Framework 3.5 or later
- ◆ To use the sample code project, you will need one of the following Visual Studio editions:
  - ✧ Microsoft Visual Studio 2008 Standard Edition or Visual Studio 2010 Standard Edition
  - ✧ Microsoft Visual C# 2008 Express Edition

To confirm installation

1. Open your Visual Studio product.
2. On the Help menu, click About. A dialog box opens that lists Microsoft Visual Studio and .NET Framework versions

## Get the hicloud S3 SDK for .NET

Download the hicloud S3 SDK source code for .NET from the SDK web page at <https://github.com/aws/aws-sdk-net>. After downloading the SDK, extract the contents into a folder.

Open Microsoft Visual Studio, and open .NET SDK source code project · use "Start Debugging" from the Debug menu (or press Ctrl + F5). After that, we can find .NET SDK(AWSSDK.dll) in 「aws-sdk-net-master\AWSSDK\bin\Debug」.

## 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 Microsoft Visual Studio

1. Open Microsoft Visual Studio
2. Open sample code project. In Microsoft Visual Studio, on the **File** menu, point to **Open**, and then click **Project / Solution**. The **Open Project** dialog box opens.
3. In the **Open Project** dialog box, browse to the location you used to extract the hicloud S3 SDK for .NET zip file and select the SDK/samples/xxx.sln file.
4. In the Solution **Explorer > App.config** to fill key information
5. Configure S3 configuration in sample code like the following:
6. 於 sample code 中，設定 S3 相關 configure 如下：

```
AmazonS3Config config = new AmazonS3Config();
config.CommunicationProtocol = Protocol.HTTP; //If needed
config.ServiceURL = "s3.hicloud.net.tw"; //set hostname
```

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

1. In the Solution Explorer, right-click the **Reference** and Add **Reference > Browse > chose AWSSDK.dll**

### ◆ To run the Project

1. Use "**Start Debugging**" from the Debug menu (or press Ctrl + F5).