

# .NET SDK 開發流程介紹

# Outline

- 開發前準備工作
- hicloud S3 .NET SDK套件包概述
- 使用Visual Studio執行範例程式

# 開發前準備工作

- 下載程式開發軟體 Visual Studio  
<http://www.microsoft.com/visualstudio/cht/downloads>
- 註冊hicloud S3帳戶並取得安全憑證
  - ▣ 參考hicloud S3 雲儲存 QuickStart.pdf
- 取得hicloud S3 .NET SDK套件包

# hicloud S3 .NET SDK套件包概述

- hicloud S3 .NET SDK套件包中包含以下資料
  - Document
    - 包含中英文.NET SDK開發手冊
  - Lib
    - 包含hicloud S3 .NET SDK
  - Sample
    - 包含hicloud S3 .NET SDK 範例程式

# 使用Visual Studio執行範例程式


- 開啟專案/方案
- 載入Sample Code
- 載入.NET SDK
- 填入Key 資訊
- 執行Sample Code
- (詳細步驟參考Appendix)

# Appendix

- 取得hicloud S3 .NET SDK套件包
- 使用Visual Studio執行範例程式



# 取得hicloud S3 .NET SDK套件包 -1










- 至 SDK 網頁 <https://github.com/aws/aws-sdk-net> 下載 S3 .NET SDK 原始碼

PUBLIC  **aws / aws-sdk-net** Watch 36 Star 95 Fork 51


Official mirror of the AWS SDK for .NET. For more information on the AWS SDK for .NET, see our web site:  
<http://aws.amazon.com/sdkfornet/>


68 commits 1 branch 0 releases 3 contributors


 branch: master **aws-sdk-net** 


Version 1.5.26.3 of the AWS .NET SDK		
 amazonwebservices authored 2 days ago		latest commit 89137badee 
→ Unknown committed 2 days ago		
 <b>AWS.Extensions</b>	Version 1.5.26.3 of the AWS .NET SDK	2 days ago
 <b>AWSSDK</b>	Version 1.5.26.3 of the AWS .NET SDK	2 days ago
 <b>.travis.yml</b>	Version 1.5.23.1 of the AWS .NET SDK	a month ago
 <b>AWS Source.sln</b>	Version 1.5.26.3 of the AWS .NET SDK	2 days ago
 <b>License.txt</b>	Version 1.5.10.0 of the AWS .NET SDK	7 months ago
 <b>Notice.txt</b>	Version 1.5.11.0 of the AWS .NET SDK	6 months ago
 <b>README.md</b>	Version 1.5.23.0 of the AWS .NET SDK	a month ago


**Code**

 **Issues** 7


 **Pull Requests** 0

 **Pulse**


 **Graphs**


 **Network**

**HTTPS clone URL**



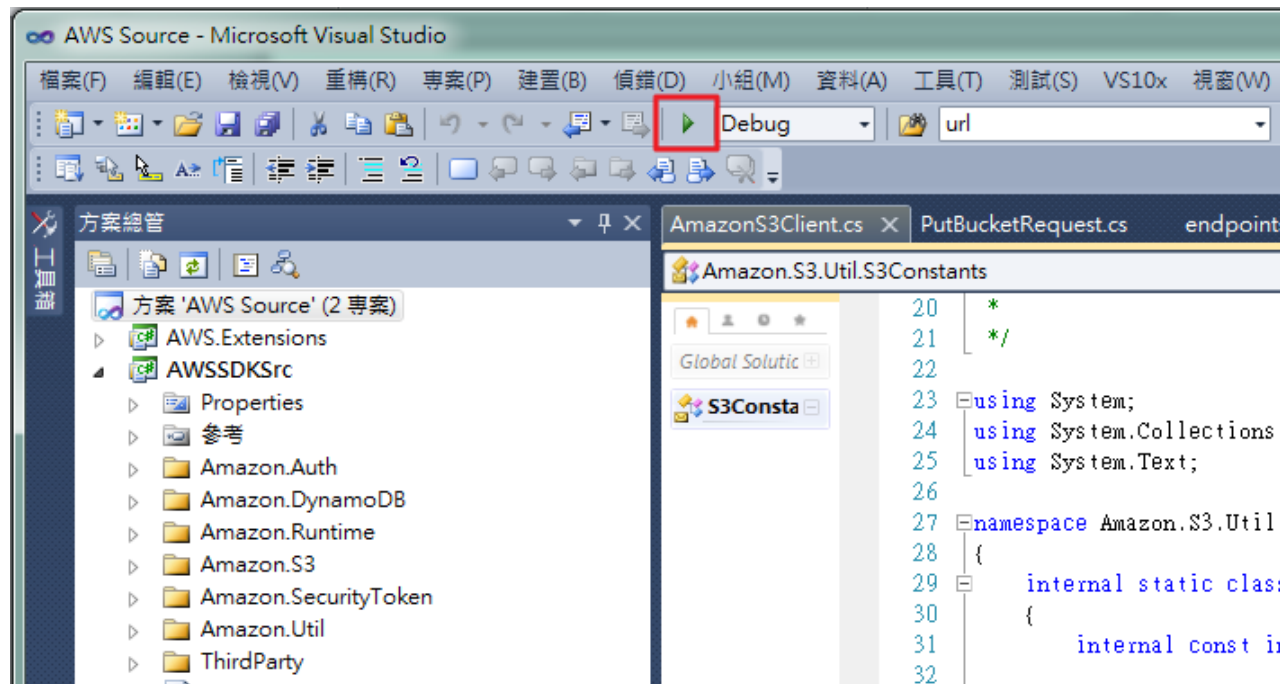
You can clone with **HTTPS**, **SSH**, **Subversion**, and other methods.

 **Clone in Desktop**

 **Download ZIP**

# 取得hicloud S3 .NET SDK套件包 -2

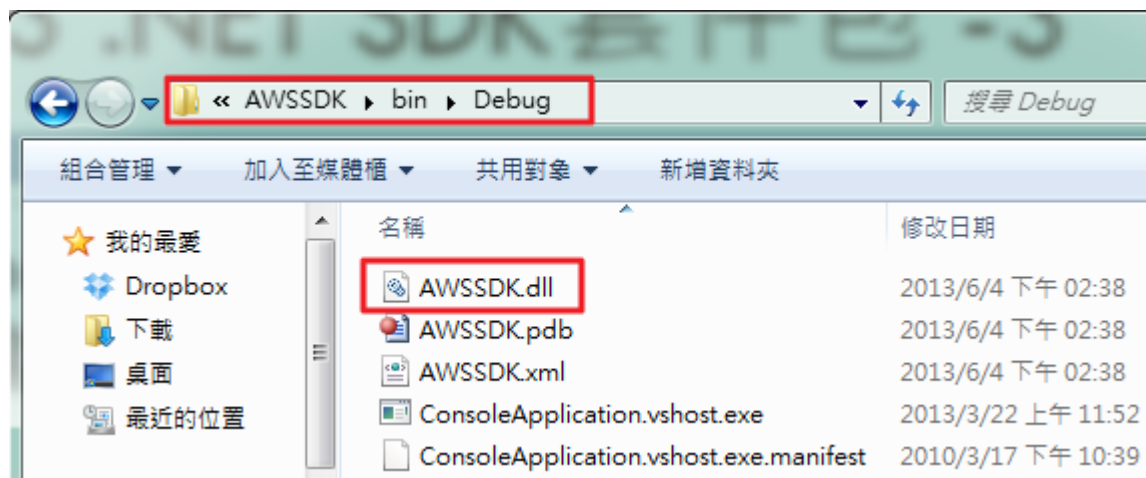
- 開啟 Microsoft Visual Studio，並開啟S3 .NET SDK原始碼專案
- 選擇 偵錯 > 開始偵錯 (Ctrl + F5)





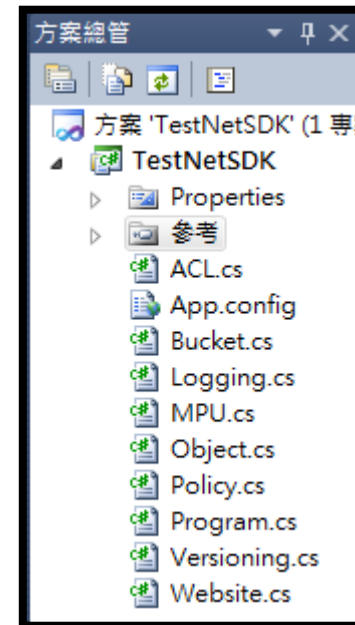
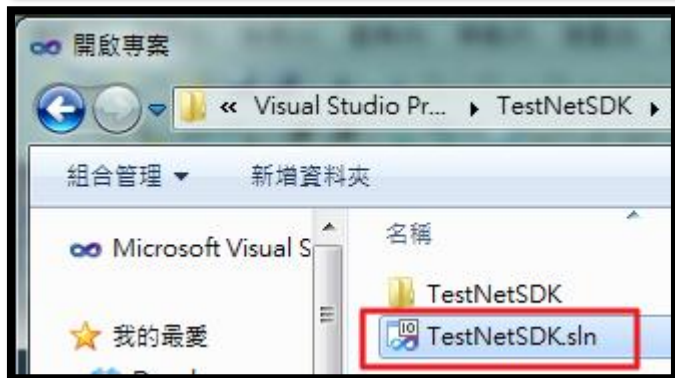
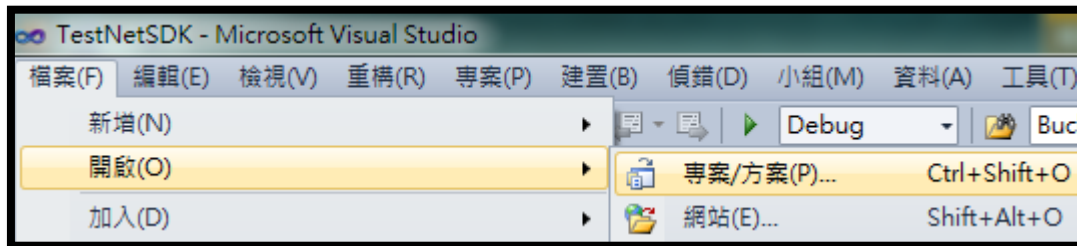
# 取得hicloud S3 .NET SDK套件包 -3

- 於「aws-sdk-net-master\AWSSDK\bin\Debug」下得到.NET SDK dll檔(AWSSDK.dll)



# 使用Visual Studio執行範例程式 -1

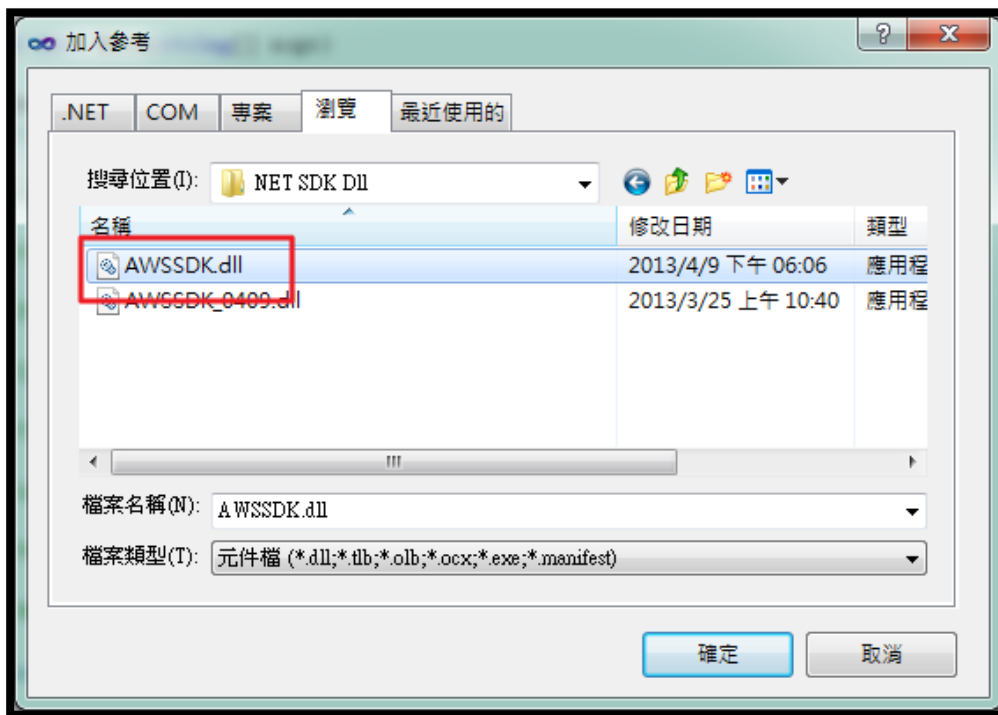
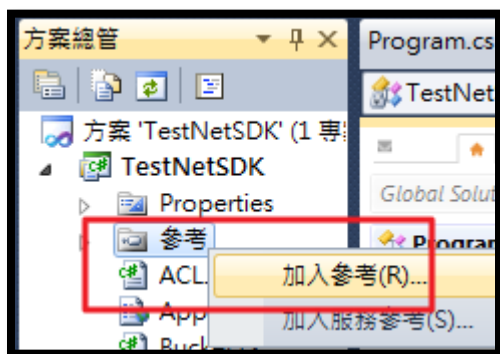
- 開啟範例程式專案
  - ▣ 檔案 / 開啟 / 專案/方案
  - ▣ 選擇 範例程式專案
  - ▣ Project開啟完成



# 使用Visual Studio執行範例程式 -2

## ❑ 載入.NET SDK

- ❑ 方案總管 / 參考 / 加入參考 / 瀏覽 ， 選擇 AWSSDK.dll



# 使用Visual Studio執行範例程式 -3

- 填入Access Key / Secret Key資訊
  - 於 App.config填入相關Key資訊



The screenshot shows the Visual Studio IDE with the 'App.config' file selected. The XML content is as follows:

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="AWSAccessKey" value="AKIAI44QH8DHBEXAMPLE" />
    <add key="AWSSecretKey" value="wJalrXUtnFEMIck703dlsVJW3SZBF8dp3GRtqZAVIZt4683YJZcz4PM" />
  </appSettings>
</configuration>
```

The two lines within the `<appSettings>` block are highlighted with a red rectangle.

- 於sample code中，設定S3相關configure如下

```
AmazonS3Config config = new AmazonS3Config();
config.CommunicationProtocol = Protocol.HTTP;
config.ServiceURL = "s3.hicloud.net.tw";

AmazonS3 s3Client = AWSClientFactory.CreateAmazonS3Client(appConfig["AWSAccessKey"], appConfig["AWSSecretKey"], config);
```

# 使用Visual Studio執行範例程式 -4

## □ 執行Sample Code

- ▣ 偵錯 > 開始偵錯 (Ctrl + F5) , 開始執行專案

