

# DEMO-存取 API 環境建置說明

## 一、安裝.net core dotnet hosting-bundle

<https://dotnet.microsoft.com/download/thank-you/dotnet-runtime-2.2.4-windows-hosting-bundle-installer>

## 二、安裝.net core 2.2 版 SDK

<https://dotnet.microsoft.com/download/thank-you/dotnet-sdk-2.2.203-windows-x64-installer>

## 三、透過工作管理員身分執行 cmd ，並依序貼上以下 3 個指令

(動作-安裝 Https 憑證及安裝 access database driver)

- dotnet dev-certs https –trust
- @"%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -NoProfile -InputFormat None -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"
- choco install msaccess2010-redist-x64 (本安裝過程需輸入 y 確認安裝)

## 四、執行 WEB Server (Kestrel)

1. CMD 切換目錄到 Lab\_A\Lab\_A 底下  
\*如指令 cd C:\Users\xxxxx\Desktop\MyWebsite\Lab\_A\Lab\_A
2. 輸入 dotnet run ，開啟網站 Lab\_A
3. 開啟新的 cmd 視窗並 切換目錄到 Lab\_B\Lab\_B 底下  
\*如指令 cd C:\Users\xxxxx\Desktop\MyWebsite\Lab\_B\Lab\_B
4. 輸入 dotnet run ，開啟網站 Lab\_B
5. 進入 Lab\_A 網站 <https://localhost:5001> (以 LAB\_A 部屬的 port 為主)
6. 進行訊息 POST 傳送，取得成功結果即完成

## 其它說明

- 執行過程勿將 CMD 關閉，才會持續執行網站
- 執行成功結果如下，若發生錯誤 (Fail 或 環境安裝失敗，請洽聯絡)

**Message app**  
請於下方輸入要傳送的訊息

Data

TT :)

Send

Confirmation

{ "State": "Success", "Data": "TT :)" }

- 若無安裝 https 憑證，傳送訊息後會出現以下訊息

```
Microsoft Windows [版本 10.0.17134.706]  
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C:\Users\User>cd "C:\Users\User\Desktop\test\Lab_B"  
C:\Users\User\Desktop\test\Lab_B>cd Lab_B  
C:\Users\User\Desktop\test\Lab_B>dotnet run  
info: Microsoft.AspNetCore.DataProtection.KeyManagement.XmlKeyManager[0]  
User profile is available. Using 'C:\Users\User\AppData\Local\ASP.NET\DataProtection-Keys' as key  
Windows DPAPI to encrypt keys at rest.  
Hosting environment: Development  
Content root path: C:\Users\User\Desktop\test\Lab_B\Lab_B  
Now listening on: https://localhost:5050  
Application started. Press Ctrl+C to shut down.  
info: Microsoft.AspNetCore.Server.Kestrel[20]  
Connection id "0HLMH1D25VCJ7" request processing ended abnormally.  
System.IO.IOException: The decryption operation failed, see inner exception. ---> System.ComponentModel.Win32Exception (0x80004005): 此憑證還原是由不受信任的授權單位發出的。  
--- End of inner exception stack trace ---  
at System.Net.Security.SslStreamInternal.ReadAsyncInternal(TreadAdapter adapter, Memory`1  
at Microsoft.AspNetCore.Server.Kestrel.Core.Adapter.Internal.AdaptedPipeline.ReadInputAsync(Stream str  
at System.IO.Pipelines.PipeCompletion.ThrowLatchedException()  
at System.IO.Pipelines.Pipe.GetReadResult(ReadResult& result)
```

- 安裝 Access database driver 過程中必須輸入 y 確認安裝

```
Microsoft Windows [版本 10.0.17134.706]  
(c) 2018 Microsoft Corporation. 著作權所有，並保留一切權利。  
C:\Windows\system32>choco install msaccess2010-redist-x64  
Chocolatey v0.10.13  
2 validations performed. 1 success(es), 1 warning(s), and 0 error(s).  
Validation Warnings:  
- A pending system reboot request has been detected, however, this is  
being ignored due to the current Chocolatey configuration. If you  
want to halt when this occurs, then either set the global feature  
using:  
choco feature enable -name=exitOnRebootDetected  
or pass the option --exit-when-reboot-detected.  
Installing the following packages:  
msaccess2010-redist-x64  
By installing you accept licenses for the packages.  
Progress: Downloading MSAccess2010-redist-x64 1.1... 100%  
MSAccess2010-redist-x64 v1.1 [Approved]  
msaccess2010-redist-x64 package files install completed. Performing other installation steps.  
The package MSAccess2010-redist-x64 wants to run 'ChocolateyInstall.ps1'.  
Note: If you don't run this script, the installation will fail.  
Note: To confirm automatically next time, use '-y' or consider:  
choco feature enable -n allowGlobalConfirmation  
Do you want to run the script?([Y]es/[N]o/[P]rint): y
```