

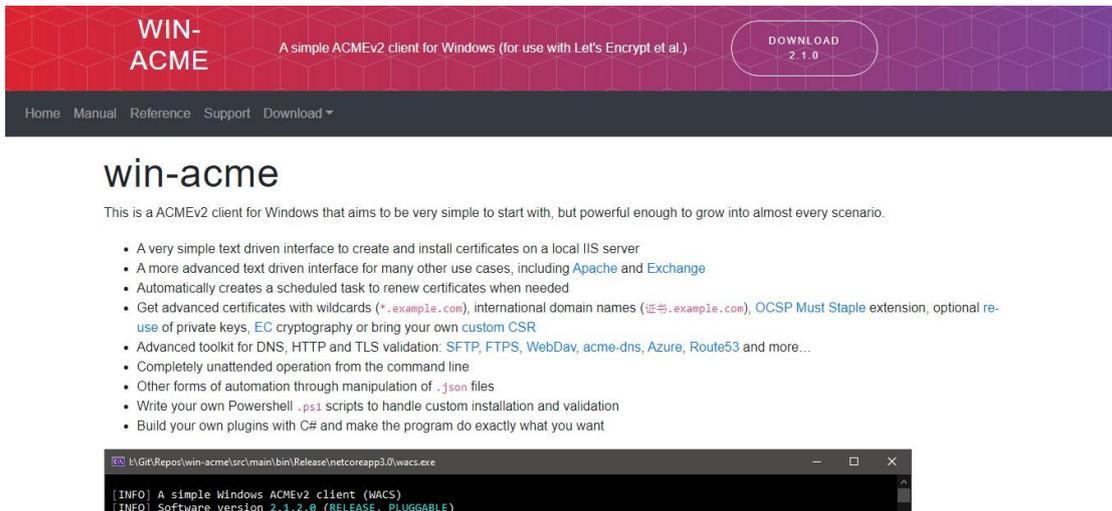
為不安全的網頁上把鎖

申請 Let's Encrypt SSL 憑證

1. 下載憑證軟體 <https://github.com/PKISharp/win-acme/releases> 下載
win-acme.v2.1.0.539.x64.pluggable.zip

Assets 9	
 plugin.validation.dns.azure.v2.1.0.539.zip	316 KB
 plugin.validation.dns.dreamhost.v2.1.0.539.zip	6.58 KB
 plugin.validation.dns.route53.v2.1.0.539.zip	322 KB
 win-acme.v2.1.0.539.x64.pluggable.zip	31.8 MB
 win-acme.v2.1.0.539.x64.trimmed.zip	17.8 MB
 win-acme.v2.1.0.539.x86.pluggable.zip	28.7 MB
 win-acme.v2.1.0.539.x86.trimmed.zip	16.5 MB
 Source code (zip)	
 Source code (tar.gz)	

或至 <https://pkisharp.github.io/win-acme/> 下載亦可



WIN-ACME A simple ACMEv2 client for Windows (for use with Let's Encrypt et al.)

Home Manual Reference Support Download

win-acme

This is a ACMEv2 client for Windows that aims to be very simple to start with, but powerful enough to grow into almost every scenario.

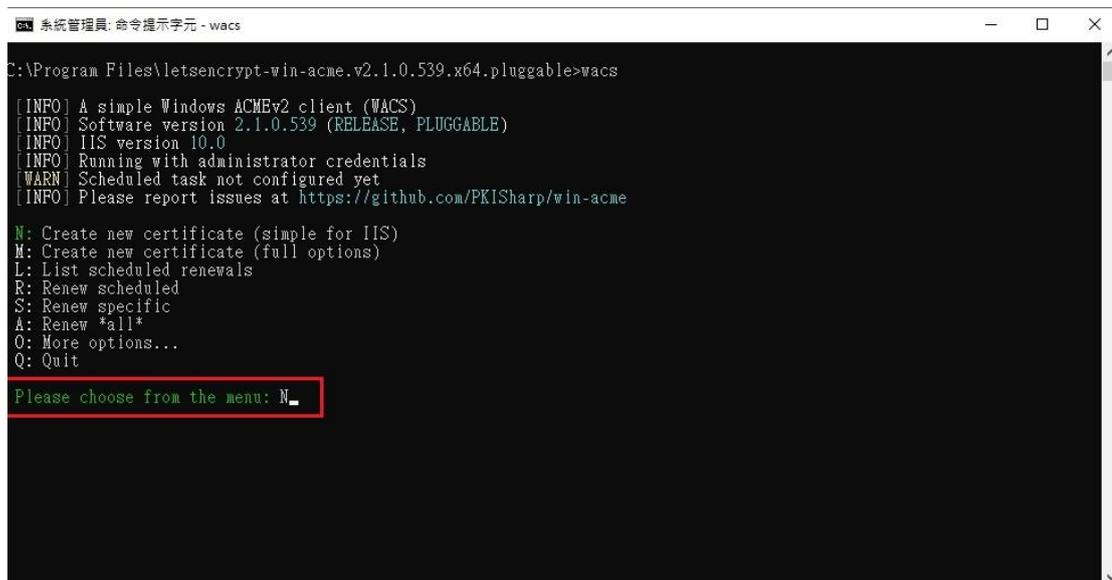
- A very simple text driven interface to create and install certificates on a local IIS server
- A more advanced text driven interface for many other use cases, including [Apache](#) and [Exchange](#)
- Automatically creates a scheduled task to renew certificates when needed
- Get advanced certificates with wildcards (*.example.com), international domain names (证书.example.com), [OCSP Must Staple](#) extension, optional re-use of private keys, EC cryptography or bring your own custom CSR
- Advanced toolkit for DNS, HTTP and TLS validation: [SFTP](#), [FTPS](#), [WebDav](#), [acme-dns](#), [Azure](#), [Route53](#) and more...
- Completely unattended operation from the command line
- Other forms of automation through manipulation of .json files
- Write your own Powershell .ps1 scripts to handle custom installation and validation
- Build your own plugins with C# and make the program do exactly what you want

```
PS C:\> .\bin\Release\netcoreapp3.0\wacs.exe
[INFO] A simple Windows ACMEv2 client (WACS)
[INFO] Software version 2.1.2.0 (RELEASE, PLUGGABLE)
```

2. 解壓縮後有一個檔案「wacs.exe」，該檔案即可用來取得憑證與更新憑證。

將解壓縮後的資料夾放到 C:\Program Files

3. 以系統管理員方式執行命令提示字元 (DOS 視窗)
4. 切換路徑 `cd C:\Program Files\ win-acme.v2.1.0.539.x64.pluggable`
5. 執行 `wacs` , 取得 SSL 憑證 。 先決條件 : 必須有一 `web server + IIS` 站台
+ 已經註冊好的 `domain name + port 80` 有開啟並連結得到
6. 按 `N` 建立新的憑證

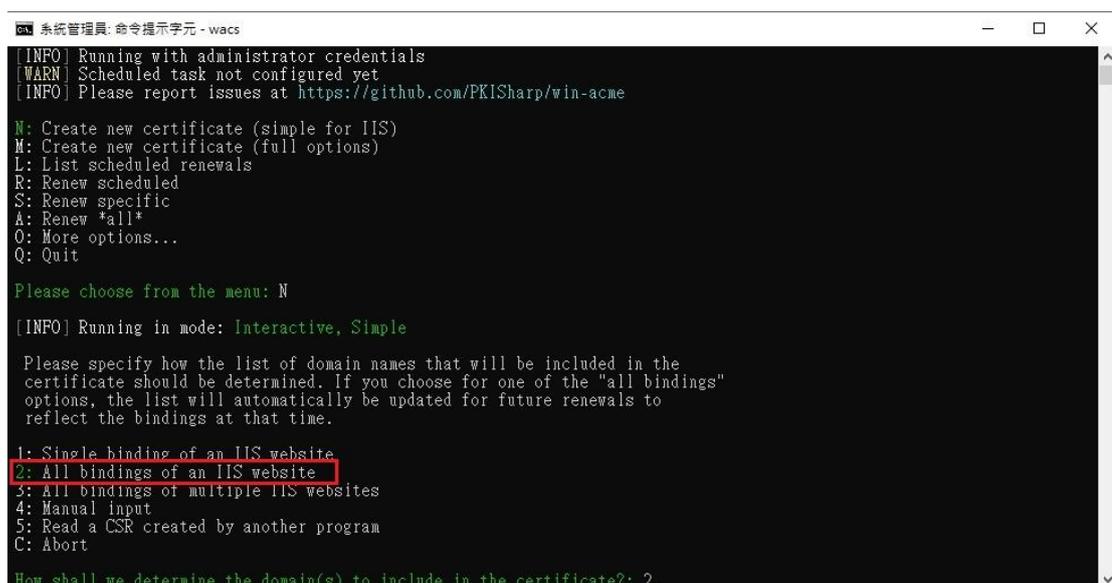


```
系統管理員: 命令提示字元 - wacs
C:\Program Files\letsencrypt-win-acme.v2.1.0.539.x64.pluggable>wacs
[INFO] A simple Windows ACMEv2 client (WACS)
[INFO] Software version 2.1.0.539 (RELEASE, PLUGGABLE)
[INFO] IIS version 10.0
[INFO] Running with administrator credentials
[WARN] Scheduled task not configured yet
[INFO] Please report issues at https://github.com/PKISharp/win-acme

N: Create new certificate (simple for IIS)
M: Create new certificate (full options)
L: List scheduled renewals
R: Renew scheduled
S: Renew specific
A: Renew *all*
O: More options...
Q: Quit

Please choose from the menu: N_
```

7. All bindings of an IIS website



```
系統管理員: 命令提示字元 - wacs
[INFO] Running with administrator credentials
[WARN] Scheduled task not configured yet
[INFO] Please report issues at https://github.com/PKISharp/win-acme

N: Create new certificate (simple for IIS)
M: Create new certificate (full options)
L: List scheduled renewals
R: Renew scheduled
S: Renew specific
A: Renew *all*
O: More options...
Q: Quit

Please choose from the menu: N

[INFO] Running in mode: Interactive, Simple

Please specify how the list of domain names that will be included in the
certificate should be determined. If you choose for one of the "all bindings"
options, the list will automatically be updated for future renewals to
reflect the bindings at that time.

1: Single binding of an IIS website
2: All bindings of an IIS website
3: All bindings of multiple IIS websites
4: Manual input
5: Read a CSR created by another program
C: Abort

How shall we determine the domain(s) to include in the certificate?: 2_
```

8. Choose site

```
系統管理員: 命令提示字元 - wacs
M: Create new certificate (full options)
L: List scheduled renewals
R: Renew scheduled
S: Renew specific
A: Renew *all*
O: More options...
Q: Quit

Please choose from the menu: N

[INFO] Running in mode: Interactive, Simple

Please specify how the list of domain names that will be included in the
certificate should be determined. If you choose for one of the "all bindings"
options, the list will automatically be updated for future renewals to
reflect the bindings at that time.

1: Single binding of an IIS website
2: All bindings of an IIS website
3: All bindings of multiple IIS websites
4: Manual input
5: Read a CSR created by another program
C: Abort

How shall we determine the domain(s) to include in the certificate?: 2
1: sql.jaes.ntpc.edu.tw (1 binding)
<Enter>: Abort

Choose site: 1
```

9. 完成

```
系統管理員: 命令提示字元 - wacs

Choose site: 1

[INFO] Target generated using plugin IISSite: sql.jaes.ntpc.edu.tw
[INFO] Authorize identifier: sql.jaes.ntpc.edu.tw
[INFO] Cached authorization result: valid
[INFO] Requesting certificate [IISSite] sql.jaes.ntpc.edu.tw
[INFO] Store with CertificateStore...
[INFO] Installing certificate in the certificate store
[INFO] Adding certificate [IISSite] sql.jaes.ntpc.edu.tw 2019/11/19 23:32:41 to store WebHosting
[INFO] Installing with IIS...
[INFO] Updating existing https binding sql.jaes.ntpc.edu.tw:443
[INFO] Committing 1 https binding changes to IIS
[INFO] Adding Task Scheduler entry with the following settings
[INFO] - Name win-acme renew (acme-v02.api.letsencrypt.org)
[INFO] - Path C:\Program Files\letsencrypt-win-acme.v2.1.0.539.x64.pluggable
[INFO] - Command wacs.exe --renew --baseurl "https://acme-v02.api.letsencrypt.org/"
[INFO] - Start at 09:00:00
[INFO] - Time limit 02:00:00
[INFO] Adding renewal for [IISSite] sql.jaes.ntpc.edu.tw
[INFO] Next renewal scheduled at 01/13/2020 23:32:41

N: Create new certificate (simple for IIS)
M: Create new certificate (full options)
L: List scheduled renewals
R: Renew scheduled
S: Renew specific
A: Renew *all*
O: More options...
Q: Quit
```

10. IIS 管理員 · 伺服器憑證

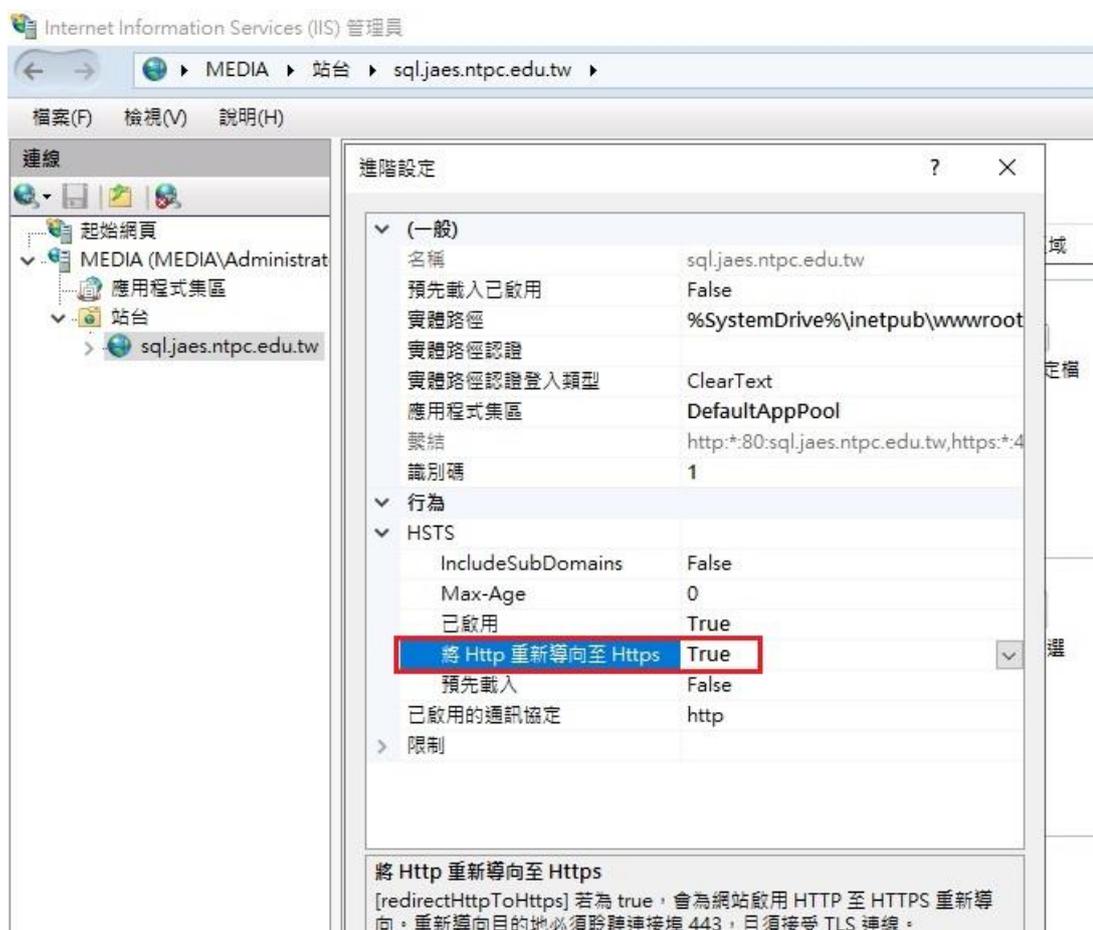
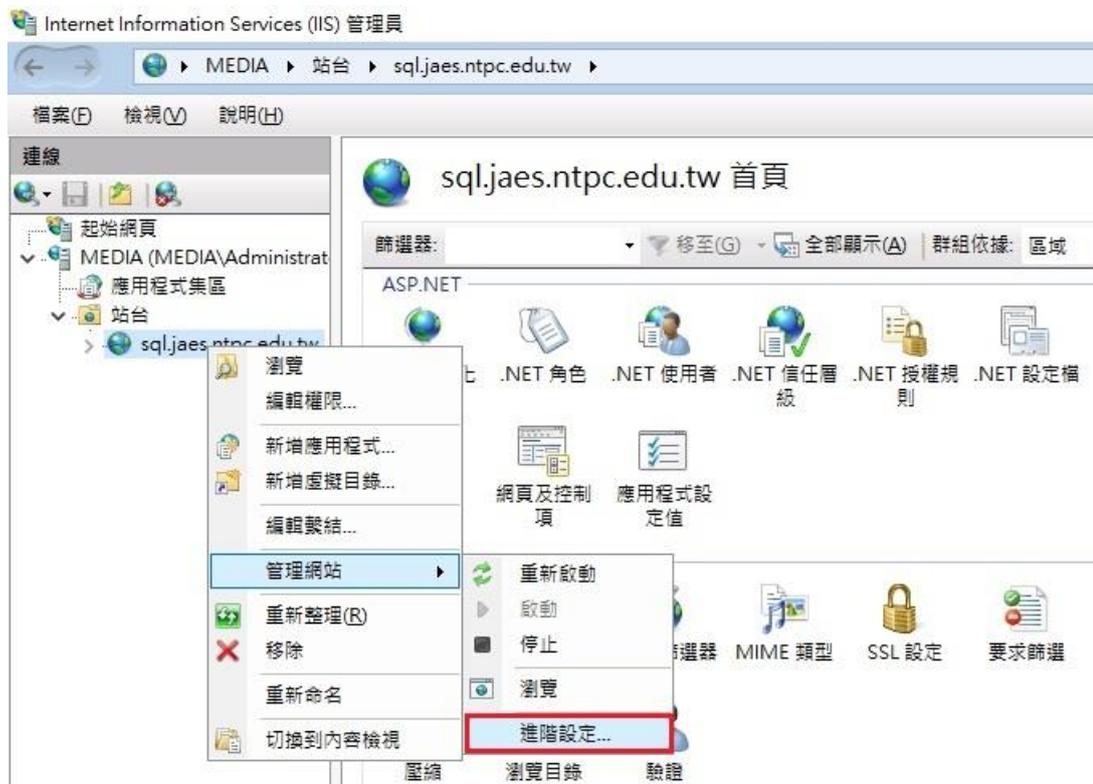
Internet Information Services (IIS) 管理員

伺服器憑證

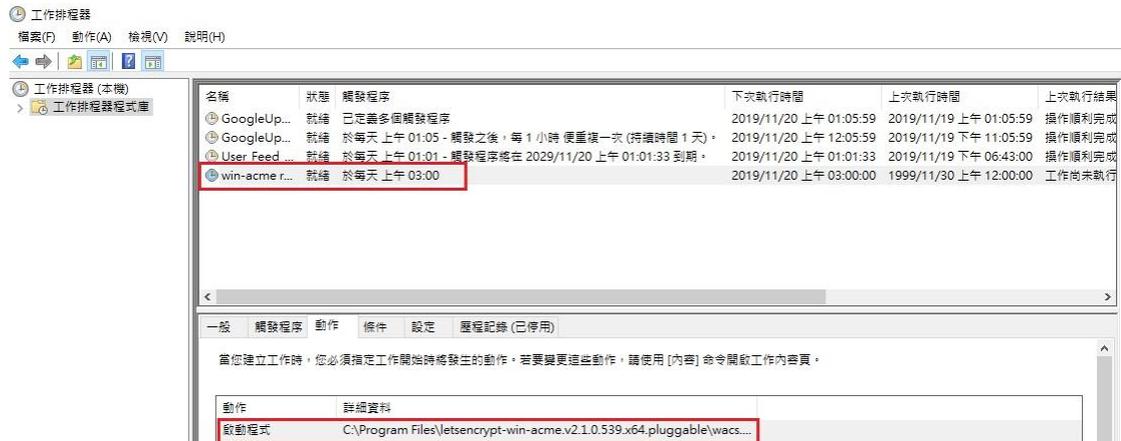
此功能可用來要求及管理網頁伺服器可與針對 SSL 設定的網站搭配使用的憑證。

篩選器:	移至(G)	全部顯示(A)	群組依據: 沒有分組		
名稱	發行給	發行者	到期日	憑證鍊表	憑證儲存區
[IISSite] sql.jaes.ntpc.edu.tw...	sql.jaes.ntpc.edu.tw	Let's Encrypt Authority X3	2020/2/17 下午 1...	75886610783542A6E801D...	WebHosting
IIS Express Development Cer...	localhost	localhost	2024/9/26 上午 0...	435ABF9A0C5A760A41273F...	Personal

11. 開啟 Winwos server 2019 網站進階設定中的重導功能



12. 排程已經建立



13. 不安全



14. 已上鎖

