

AcerFingerprintPBA Install & Uninstall

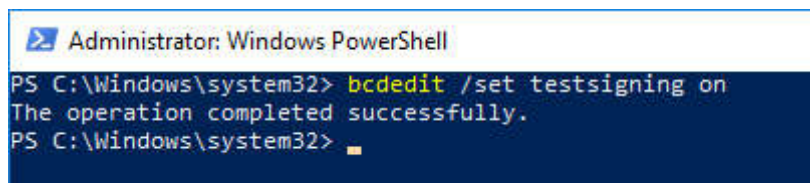
2018/08/21

系統環境

- Platform: Acer Z8VA (14") / ZAAC (15")
 - Fingerprint: VID = 04F3, PID = 0C03
 - OS: Windows 10 Pro, 1803 Version, 17134.48 OS Build (RS4)
 - Appx: AcerFingerprint = 1.0.5.0
 - Driver:
 - Base Inf (Fingerprint Driver) = 3.6.1002.10001
 - Component Inf (PBA Tool) = 30.6.1002.10501
 - Extension Inf = 30.6.1002.10401
-

注意事項

- 若 Driver 不是 WHQL Sign 版本，需於 Windows PowerShell (Admin) 執行 `bcdedit /set testsigning on`，重開機後，開啟 Test Mode 來安裝 & 測試：



```
Administrator: Windows PowerShell
PS C:\Windows\system32> bcdedit /set testsigning on
The operation completed successfully.
PS C:\Windows\system32>
```

若需關閉 Test Mode，則於 Windows PowerShell (Admin) 執行 `bcdedit /set testsigning off`，並重開機。

- 若為全新安裝 OS，要先執行一次 Windows Update (至少要更新至 16299.98 (KB4051963))，才會正確安裝 Component Inf 的 Software Components。
- 重複安裝同版號 Inf 並不會有任何變動，需先移除現有版本，才可重新安裝。
- 若要移除 Component Inf，需於 Base Inf 移除前進行。

當 Base Inf 被移除，Device Manager 的 Software Components 會一併消失，導致無法移除 Component Inf。

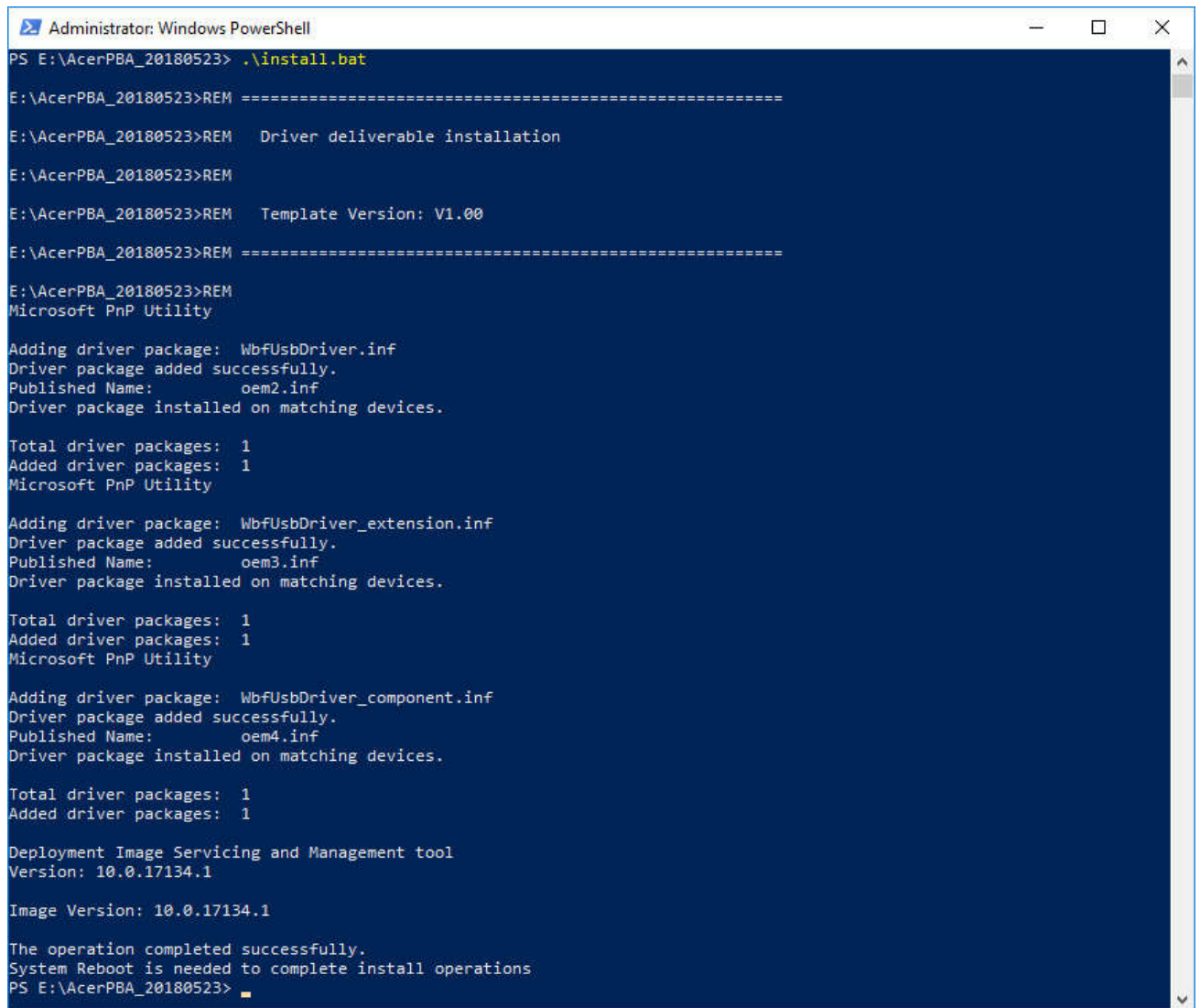
- 根據 Microsoft 設計，Extension Inf 不需被移除。

若測試階段需移除，可經由 PowerShell 執行 PnPUtil 移除動作。

- 安裝 Base Driver 前不能連網，避免下載到舊有的 Base Driver。
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安裝 Fingerprint Driver / PBA Tool 流程

1. 開啟 PowerShell or CMD.exe (Administrator 權限) 執行 install.bat 安裝 Base INF, Extension INF, Component INF 以及 preinstall AcerFingerprintPBA



```
Administrator: Windows PowerShell
PS E:\AcerPBA_20180523> .\install.bat

E:\AcerPBA_20180523>REM =====
E:\AcerPBA_20180523>REM   Driver deliverable installation
E:\AcerPBA_20180523>REM
E:\AcerPBA_20180523>REM   Template Version: V1.00
E:\AcerPBA_20180523>REM =====
E:\AcerPBA_20180523>REM
E:\AcerPBA_20180523>REM Microsoft PnP Utility
Adding driver package: WbfUsbDriver.inf
Driver package added successfully.
Published Name:      oem2.inf
Driver package installed on matching devices.

Total driver packages: 1
Added driver packages: 1
Microsoft PnP Utility

Adding driver package: WbfUsbDriver_extension.inf
Driver package added successfully.
Published Name:      oem3.inf
Driver package installed on matching devices.

Total driver packages: 1
Added driver packages: 1
Microsoft PnP Utility

Adding driver package: WbfUsbDriver_component.inf
Driver package added successfully.
Published Name:      oem4.inf
Driver package installed on matching devices.

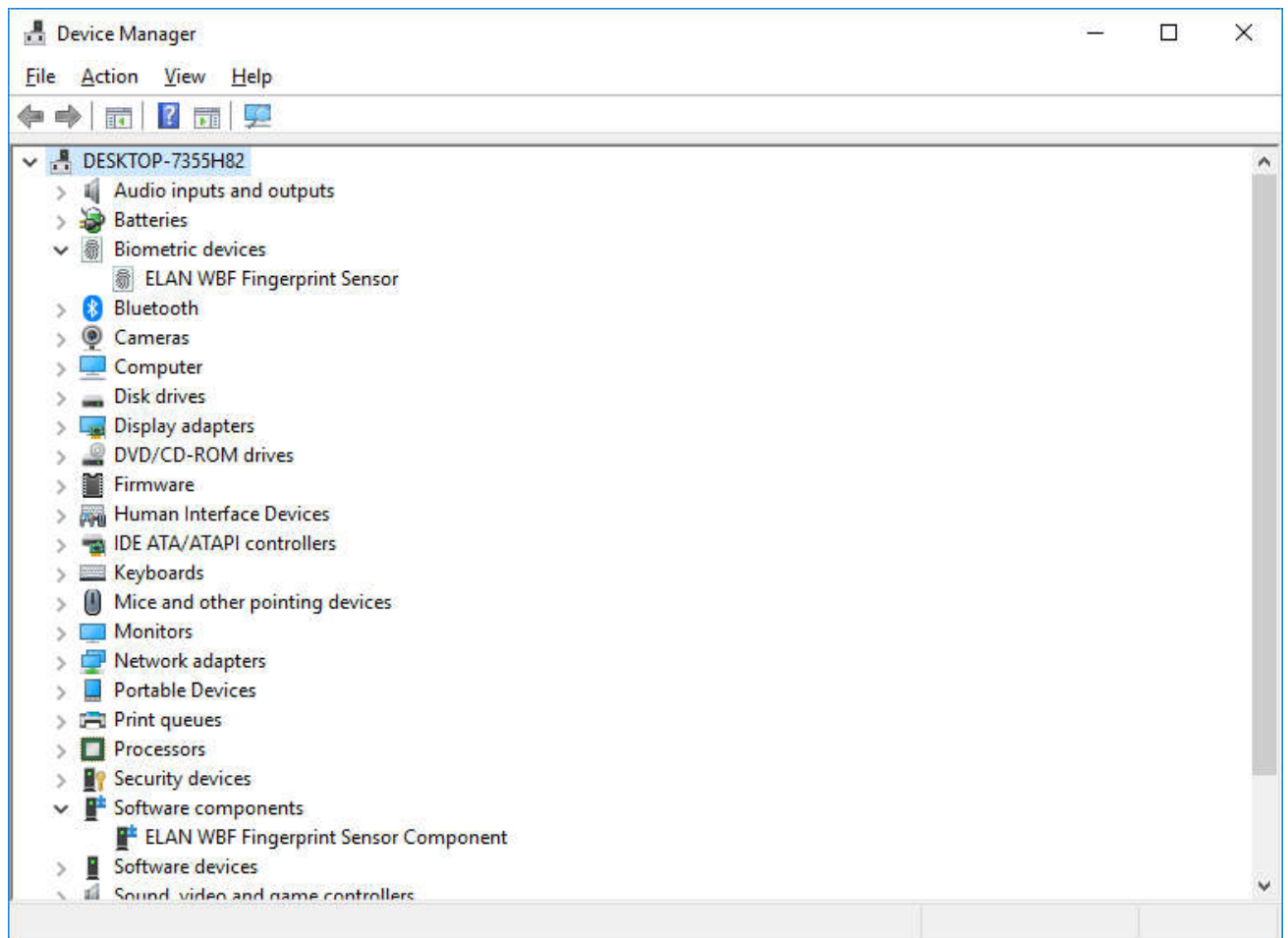
Total driver packages: 1
Added driver packages: 1

Deployment Image Servicing and Management tool
Version: 10.0.17134.1

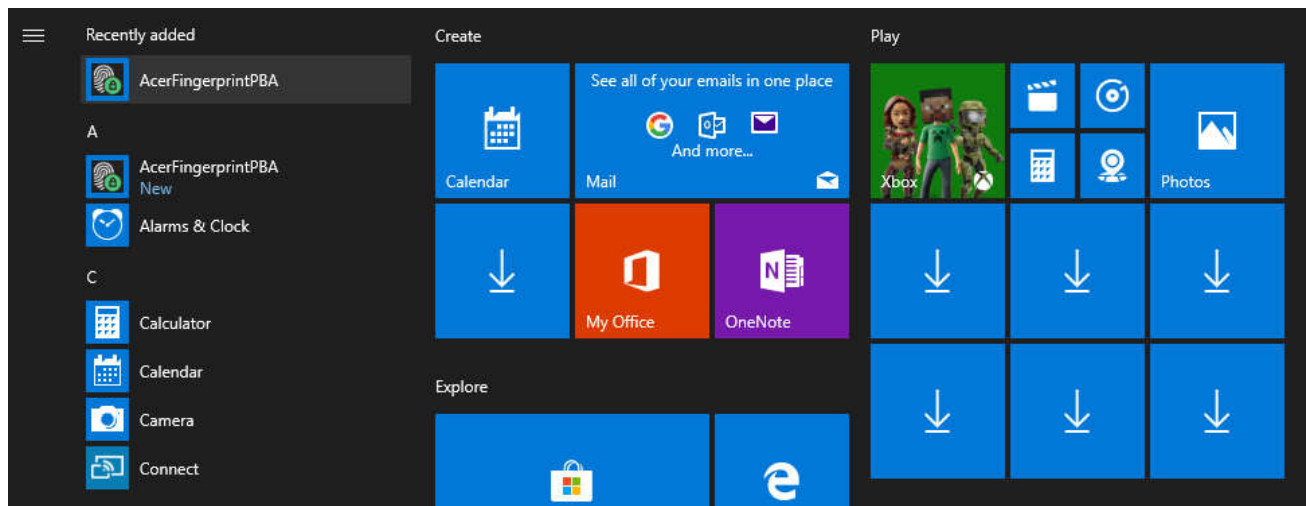
Image Version: 10.0.17134.1

The operation completed successfully.
System Reboot is needed to complete install operations
PS E:\AcerPBA_20180523>
```

2. 於 Device Manager 確認 *ELAN WBF Fingerprint Sensor* 和 *ELAN WBF Fingerprint Sensor Component* 裝置安裝正確：



3. 點擊開始選單確認AcerFingerprintPBA安裝正確



4. 重開機後，即可使用 PBA 功能。

p.s. 若為新account第一次登入OS，由於preinstall的一些限制必須要等待約20分鐘TrayIconAP才會帶起。若要節省測試時間，可重新登入該account，大概等待約3分鐘TrayIconAP即會帶起。

解除安裝 Fingerprint Driver / PBA Tool 流程

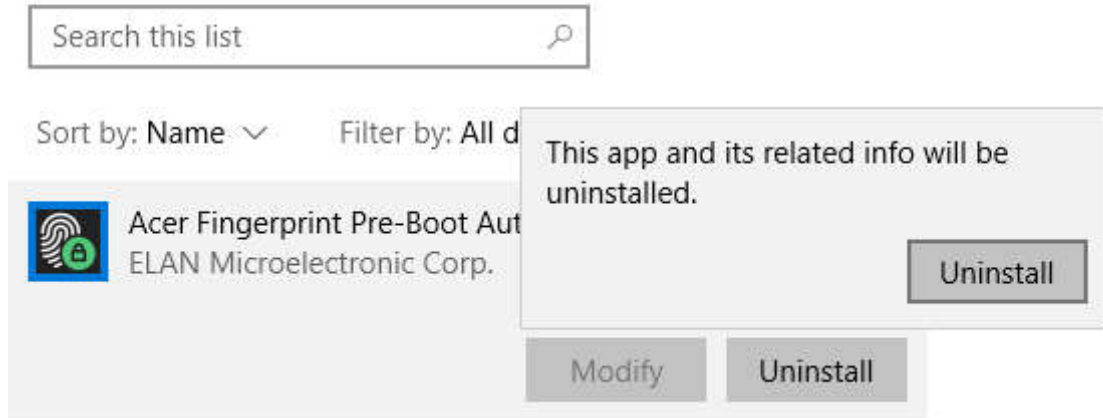
移除 PBA Tool 流程

1. 個別登入所有 Account 至 Apps and Features 解除安裝 *Acer Fingerprint* :

Apps & features

Manage optional features

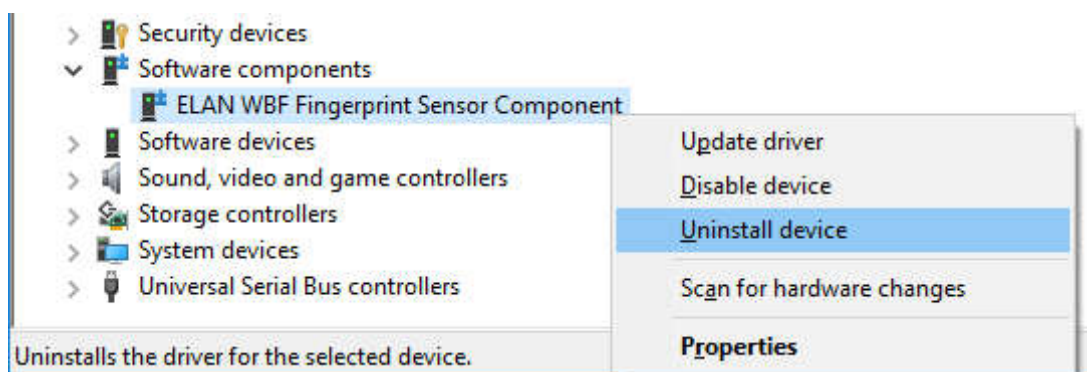
Search, sort, and filter by drive. If you would like to uninstall or move an app, select it from the list.



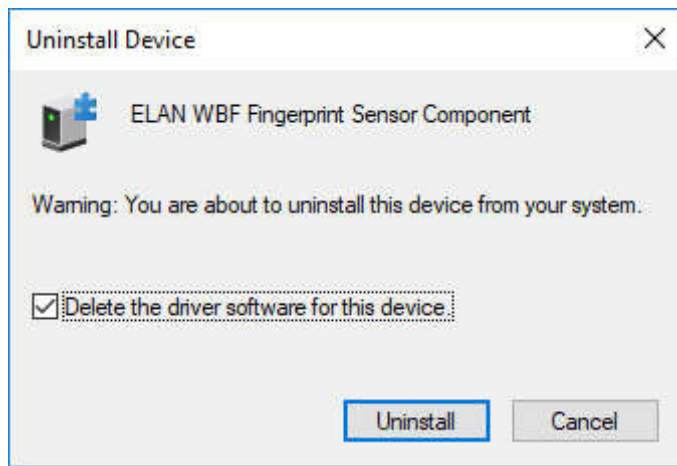
2. 重開機按F2直到進入BIOS，到 **Security** 目錄
 - 選擇 **Password on Boot** 將之設定為 **Disabled**
 - 選擇 **Clear Fingerprint Data** 設定為 **Clear**
 - 到 **Exit** 選擇 **Exit saving change**
3. 重開機PBA即關閉

移除 Component Inf 流程

1. 於 Device Manager 解除安裝 Software components / *ELAN WBF Fingerprint Sensor Component* :



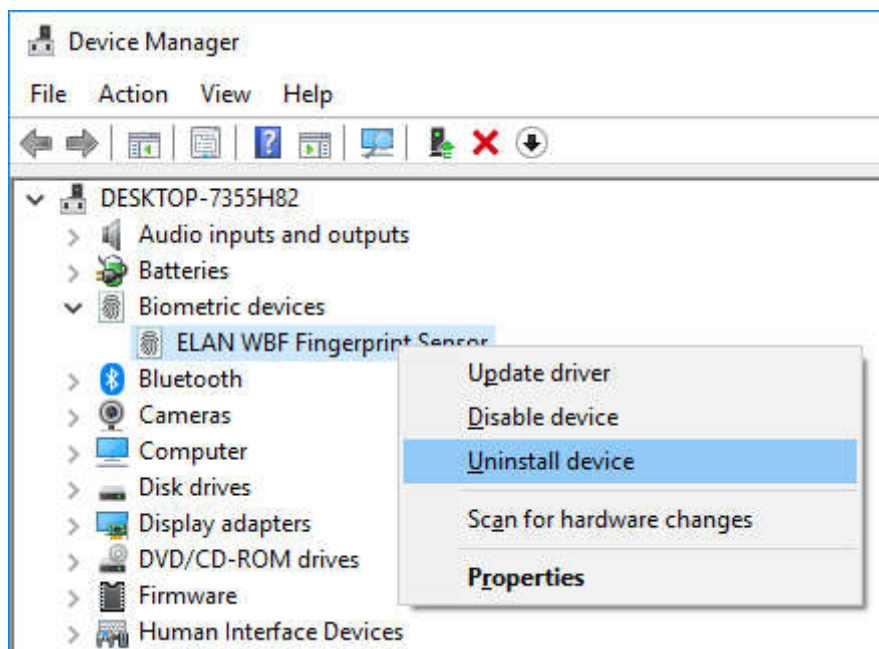
2. 勾選 Delete the driver software for this device :



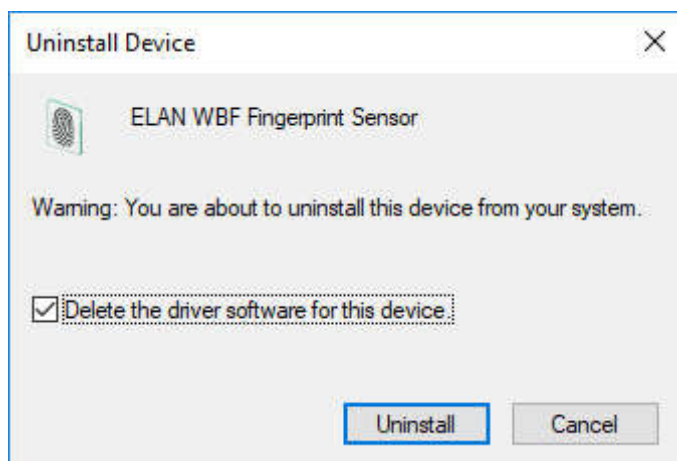
3. 移除後需要重開機。

移除 **Base Inf (Fingerprint Driver)** 流程

1. 於 Device Manager 解除安裝 Biometric devices / *ELAN WBF Fingerprint Sensor* :

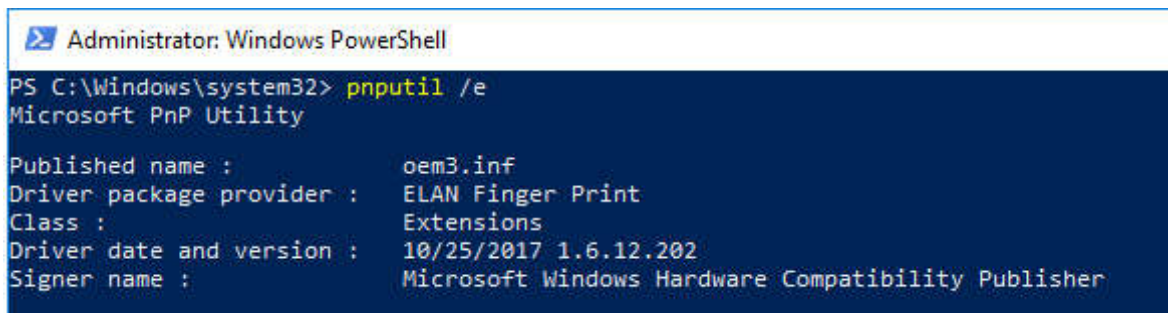


2. 勾選 Delete the driver software for this device :



移除 Extension Inf 流程 (工程測試用)

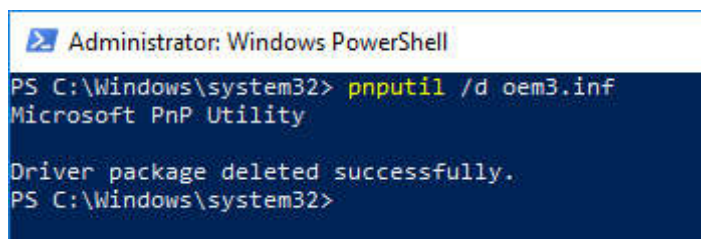
1. 確認已先移除 Base Inf (Fingerprint Driver) 與 Component Inf。
2. 於 Windows PowerShell (Admin) 執行 `pnputil /e`，查詢 *ELAN Finger Print Extensions* 對應 Inf 名稱 (如下例為 oem3.inf)：



```
Administrator: Windows PowerShell
PS C:\Windows\system32> pnputil /e
Microsoft PnP Utility

Published name :          oem3.inf
Driver package provider : ELAN Finger Print
Class :                Extensions
Driver date and version : 10/25/2017 1.6.12.202
Signer name :           Microsoft Windows Hardware Compatibility Publisher
```

3. 於 Windows PowerShell (Admin) 執行 `pnputil /d oemX.inf`，刪除對應 Inf 名稱 (如下例為 oem3.inf)：



```
Administrator: Windows PowerShell
PS C:\Windows\system32> pnputil /d oem3.inf
Microsoft PnP Utility

Driver package deleted successfully.
PS C:\Windows\system32>
```