



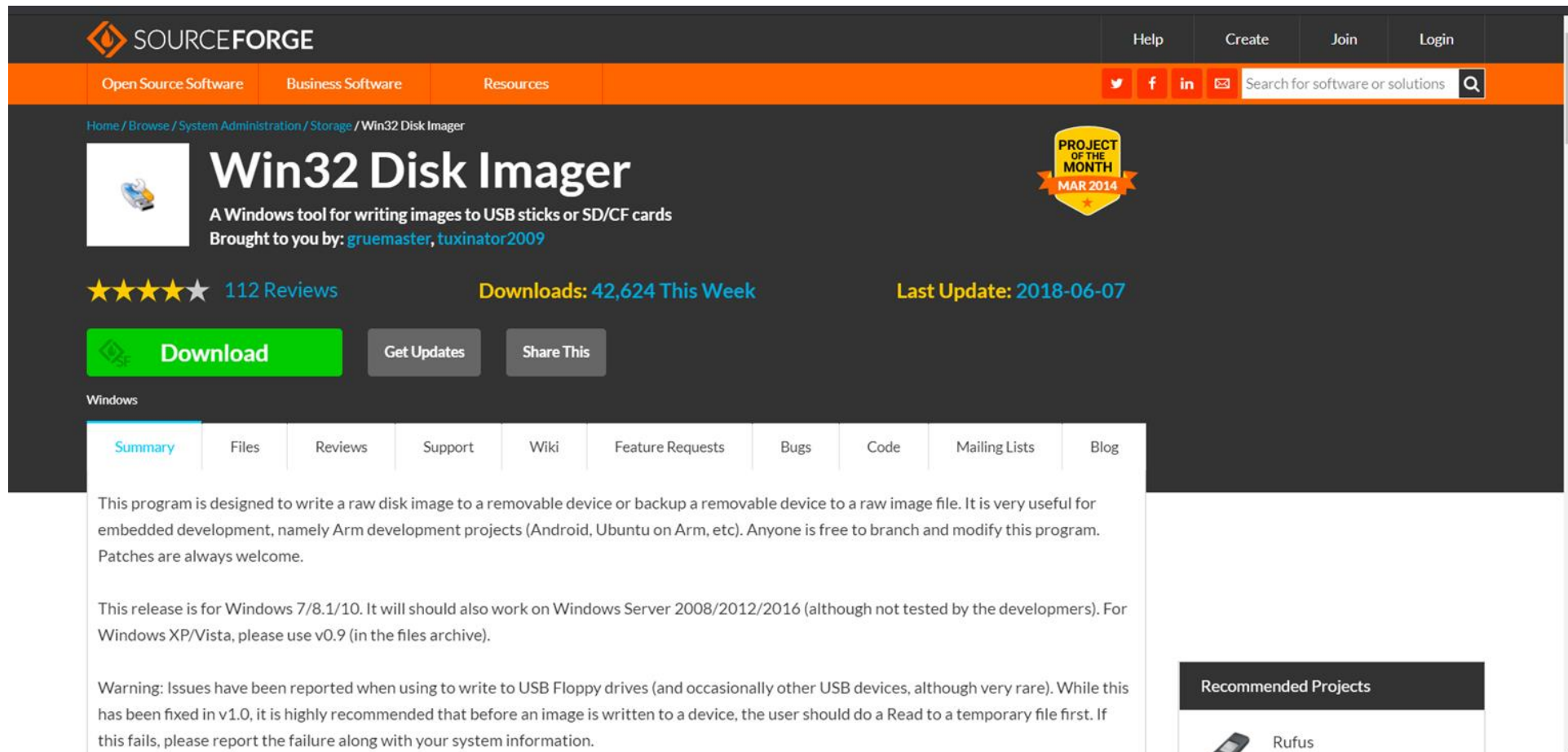
# 嵌入式系統與實習— Raspberry Pi建置

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# 1. 下載 Win32 Disk Image 軟體並解壓縮



The screenshot shows the SourceForge project page for Win32 Disk Imager. The page has a dark header with the SourceForge logo and navigation links (Help, Create, Join, Login). Below the header is an orange navigation bar with links for Open Source Software, Business Software, and Resources, along with social media icons and a search bar. The main content area features the project title 'Win32 Disk Imager' with a description: 'A Windows tool for writing images to USB sticks or SD/CF cards'. It also mentions the project was brought to you by 'gruemaster' and 'tuxinator2009'. A 'Project of the Month' badge for March 2014 is displayed. The page shows 112 reviews (4.5 stars) and 42,624 downloads this week. The last update was on 2018-06-07. There are buttons for 'Download', 'Get Updates', and 'Share This'. Below the buttons is a 'Windows' section with tabs for Summary, Files, Reviews, Support, Wiki, Feature Requests, Bugs, Code, Mailing Lists, and Blog. The 'Summary' tab is selected, showing a description of the program's purpose and a warning about USB floppy drives. A 'Recommended Projects' section at the bottom right shows 'Rufus'.


SOURCEFORGE

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Home / Browse / System Administration / Storage / Win32 Disk Imager

 **Win32 Disk Imager**

A Windows tool for writing images to USB sticks or SD/CF cards  
Brought to you by: [gruemaster](#), [tuxinator2009](#)

★★★★★ 112 Reviews Downloads: 42,624 This Week Last Update: 2018-06-07

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Windows


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This program is designed to write a raw disk image to a removable device or backup a removable device to a raw image file. It is very useful for embedded development, namely Arm development projects (Android, Ubuntu on Arm, etc). Anyone is free to branch and modify this program. Patches are always welcome.

This release is for Windows 7/8.1/10. It will should also work on Windows Server 2008/2012/2016 (although not tested by the developers). For Windows XP/Vista, please use v0.9 (in the files archive).

Warning: Issues have been reported when using to write to USB Floppy drives (and occasionally other USB devices, although very rare). While this has been fixed in v1.0, it is highly recommended that before an image is written to a device, the user should do a Read to a temporary file first. If this fails, please report the failure along with your system information.

**Recommended Projects**

 Rufus

## 2. 下載 Raspberry Pi OS 軟體並解壓縮

### Raspberry Pi OS

Compatible with:

[All Raspberry Pi models](#)



#### Raspberry Pi OS with desktop and recommended software

Release date: August 20th 2020

Kernel version: 5.4

Size: 2,523MB

[Show SHA256 file integrity hash:](#)

[Release notes](#)

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#### Raspberry Pi OS with desktop

Release date: August 20th 2020

Kernel version: 5.4

Size: 1,127MB

[Show SHA256 file integrity hash:](#)

[Release notes](#)

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#### Raspberry Pi OS Lite

Release date: August 20th 2020

Kernel version: 5.4

Size: 432MB

[Show SHA256 file integrity hash:](#)

[Release notes](#)

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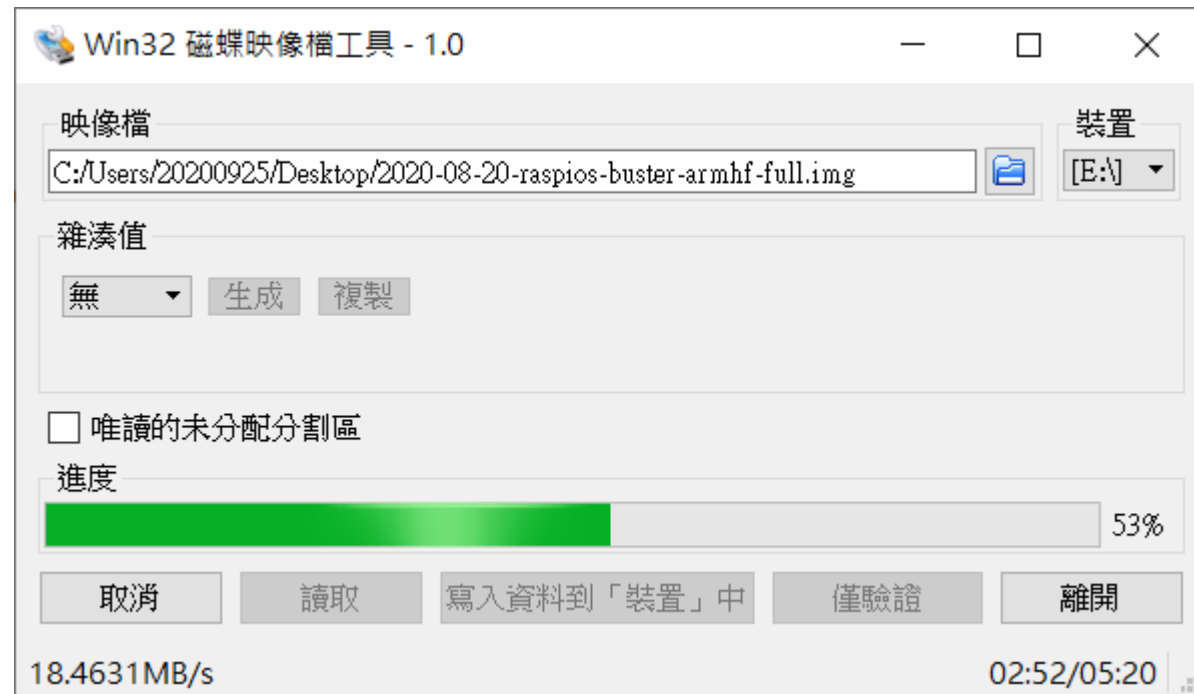
### 3. 將 Win32 Disk Image 安裝後開啟



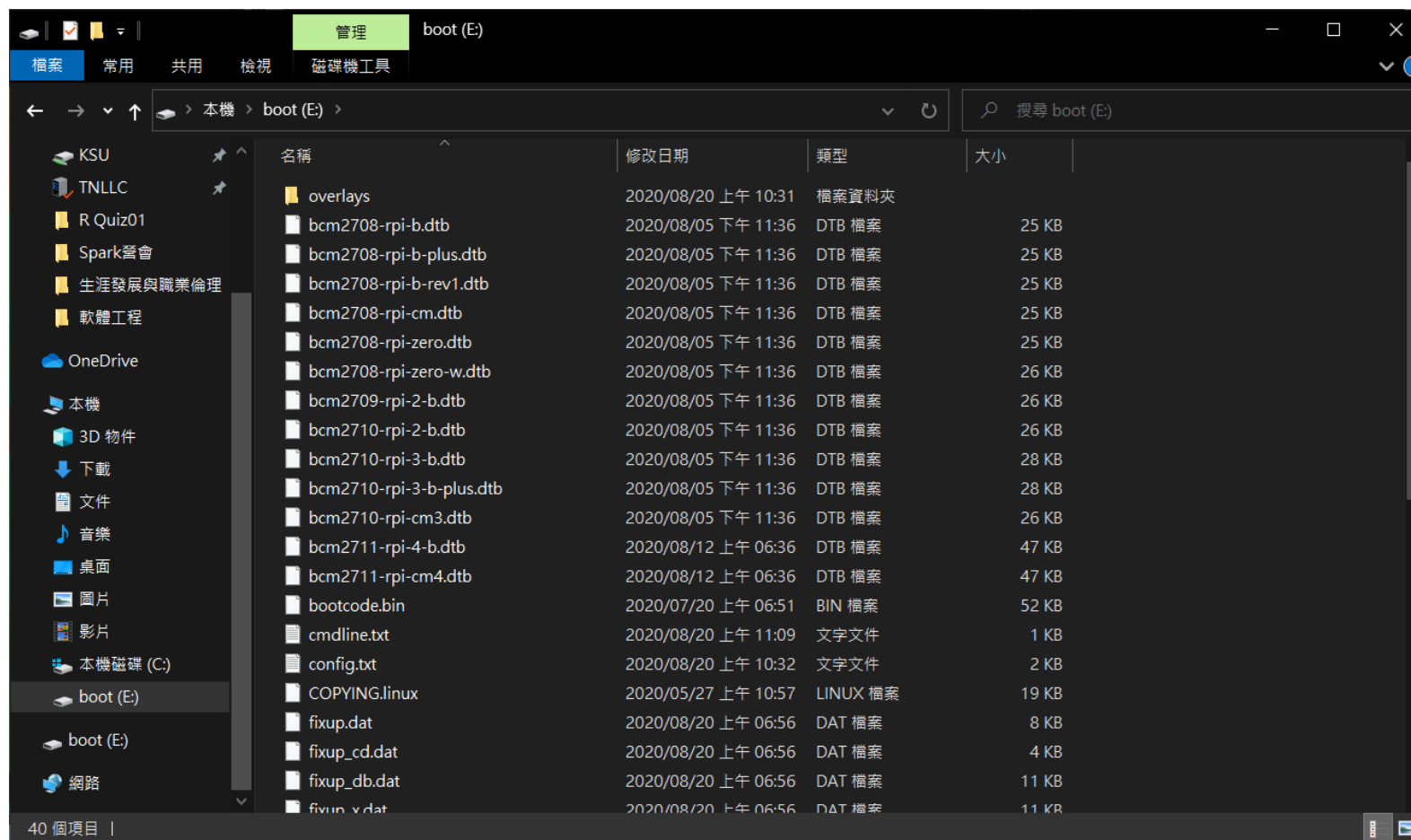
## 4. 將映像檔選擇、確認裝置



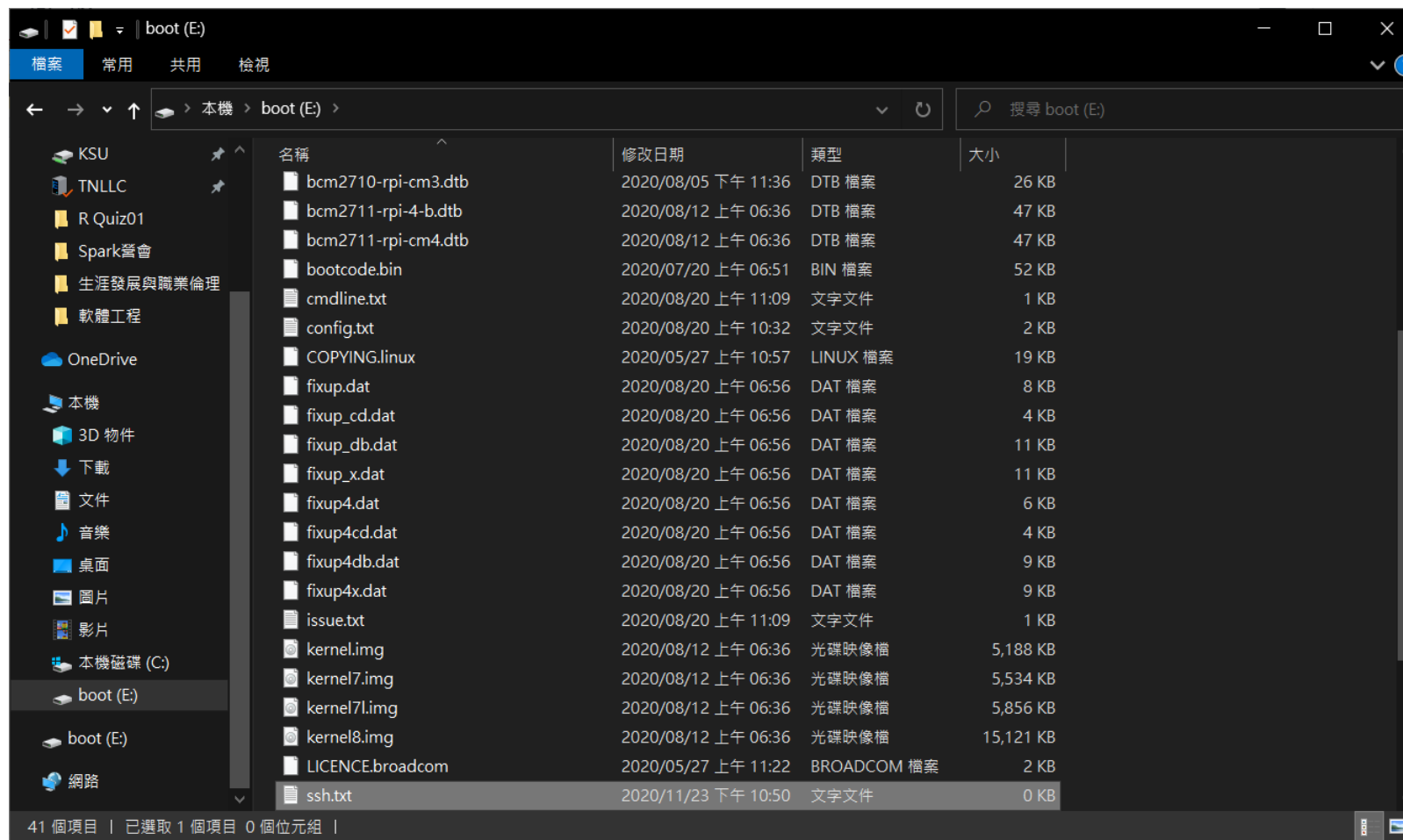
## 5.開始寫入資料到裝置中



## 6. 確認SD卡內容-boot(E:)

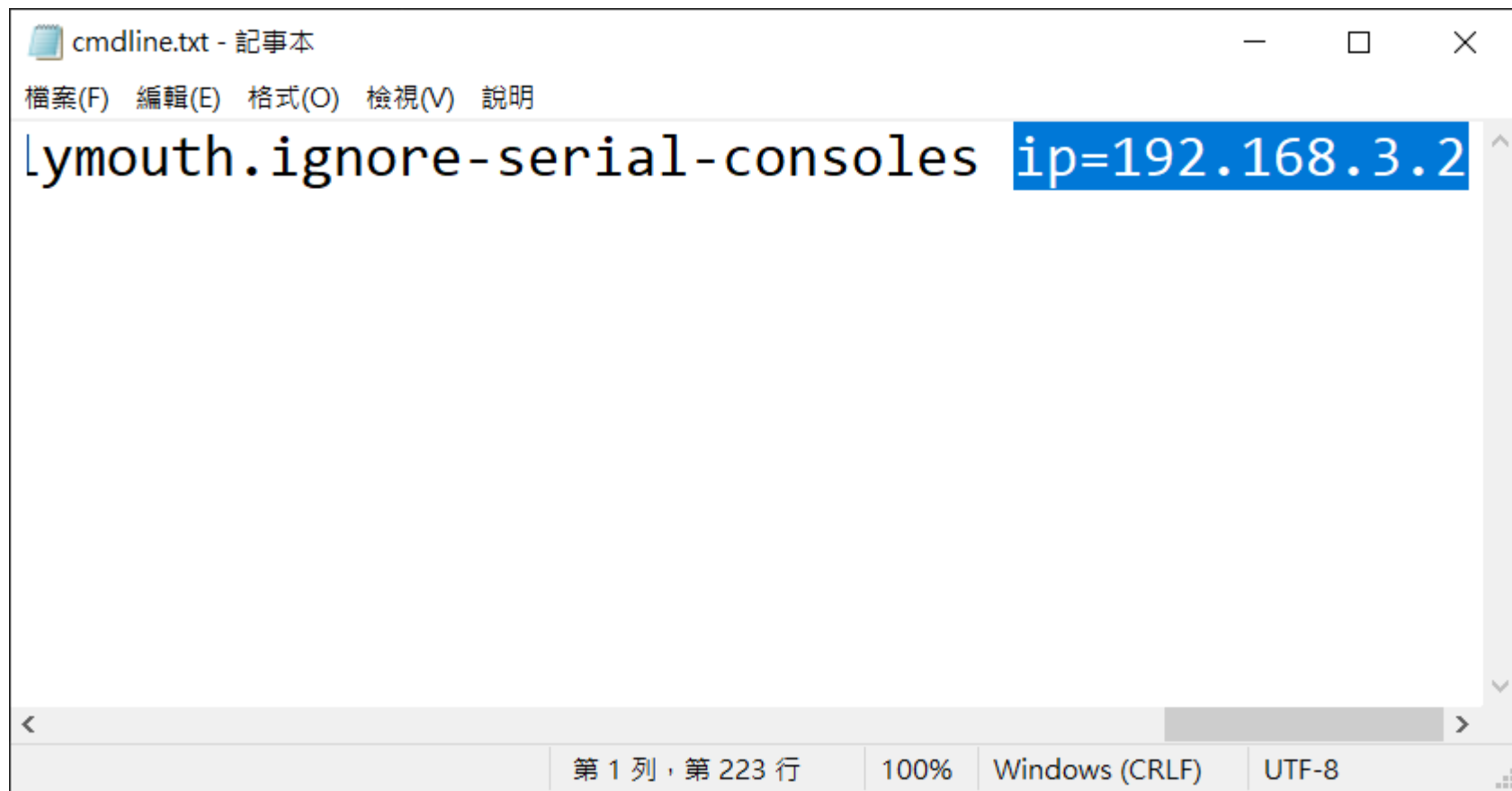


## 7.SD卡內新增空白ssh.txt





## 8. SD卡內找到cmdline.txt，新增ip到最後一行



```
cmdline.txt - 記事本
檔案(F) 編輯(E) 格式(O) 檢視(V) 說明
lymouth.ignore-serial-console ip=192.168.3.2
第 1 列, 第 223 行 100% Windows (CRLF) UTF-8
```