

VirtualBox Setup

Install VirtualBox



- Objective
- Experiment Environment
- Installation
 - VirtualBox 6.1.2
 - Add VM
 - Ubuntu 18.04



- Prepare a operational environment
 - VirtualBox: Open-source cross-platform virtualization application
 - Run virtual machines
 - Ubuntu: Open-source operating system
 - A most popular OS for software development



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Experiment Environment

- ☐ Ubuntu Desktop 18.04
- Minimum Hardware Requirements:
 - 2 Cores (CPUs)
 - 8GB RAM
 - **20GB HDD**



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VirtualBox Installation (1/6)

Go to official website:

https://www.virtualbox.org/wiki/Downloads

☐ Download the "platform packages" for the corresponding host's



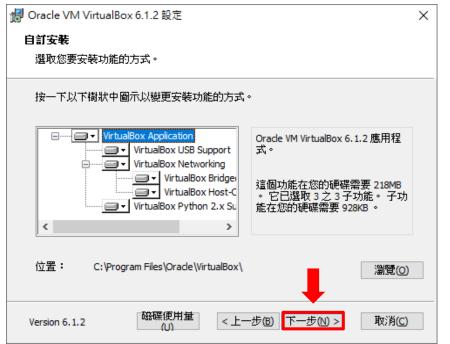


VirtualBox Installation (2/6)

■ Execute "VirtualBox-6.1.2-135663-Win.exe"









VirtualBox Installation (3/6)

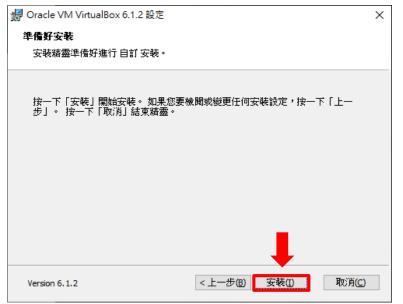
Choose how you want to install

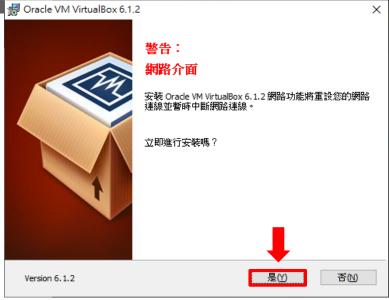


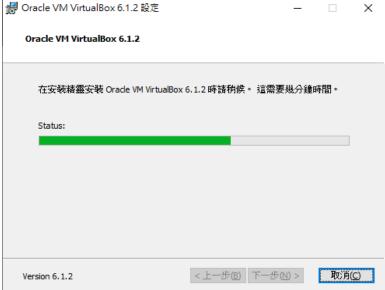


VirtualBox Installation (4/6)

- 1. Click "Yes"
- 2. Click "Install"
- 3. Wait for installing



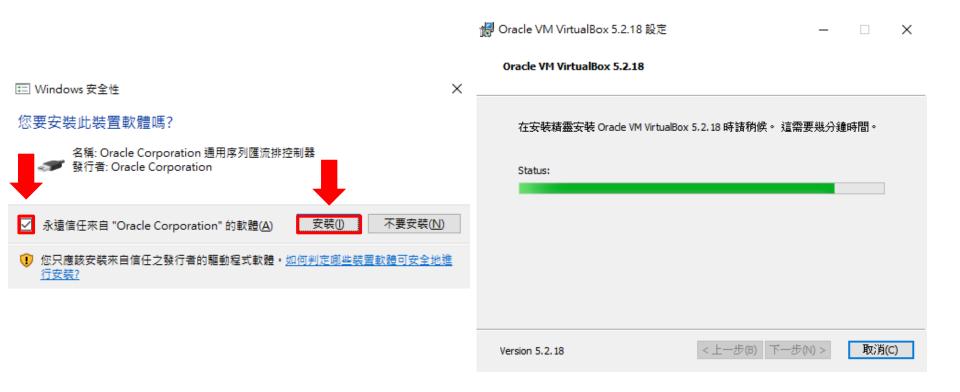






VirtualBox Installation (5/6)

- Click "Always trust software from 'Oracle Corporation'"
- Waiting





VirtualBox Installation (6/6)

Click "Finish"





- Experiment Environment
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 - Download image file
 - Virtual machine setting
 - Ubuntu 18.04



Download image file (1/10)

- ☐ Download image file (.iso) first
 - https://www.ubuntu-tw.org/modules/tinyd0/
 - Ubuntu Desktop 16.04

下載 Ubuntu

發行版

○ Ubuntu 桌面版本

O Ubuntu 伺服器版本

不同發行版具備不同的圖形環境與配套軟體。如果您不知道如何選擇,請選擇 Ubuntu 桌面版本。

版本

- 20.10 (半年支援)
- 20.04 LTS (5年支援
- 18.04 LTS (5年支援)
- 16.04 LTS (5年支援)

20.04 LTS (2020/04 - 2025/04) 為最新 LTS 版(長期支援,穩定, 五年支援)。 16.04 (及之前版 本)的預設桌面為經典 Unity, 18.04 開始為 Gnome 3,但您仍可 手動安裝 Unity 並進行切換。 詳細資訊請參考 Release End of Life

電腦架構

32 位元版本

🔵 64 位元版本

目前一般電腦大多使用 64 位元架 構,故從 18.04 開始,桌面版也將 不再提供 32 位元版本。另外,目 前在下載區無 Mac 版本可下載。

下載選項

□ 下載 BitTorrent 種子

開始下載

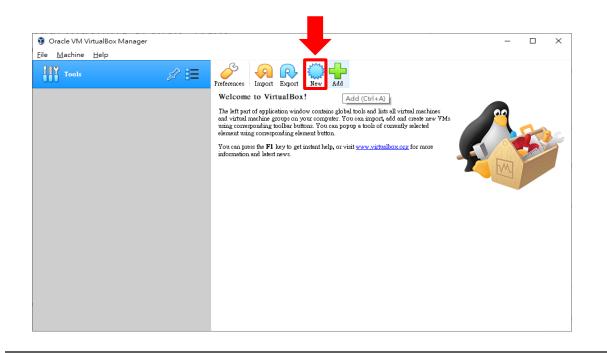
或是 至此瀏覽所有版本及檔案

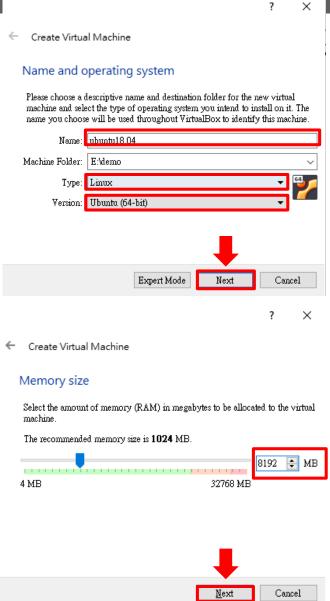




Virtual machine setting (2/10)

- Start VirtualBox & Click "New"
- Name the virtual machine (SDN-NFV), then click "Next"
- 3. Adjust the memory size to 8192MB, then click "Next"

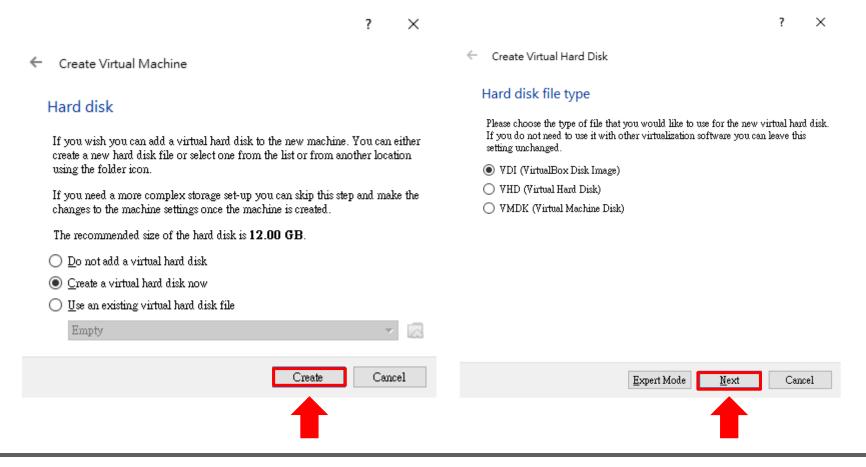






Virtual machine setting (3/10)

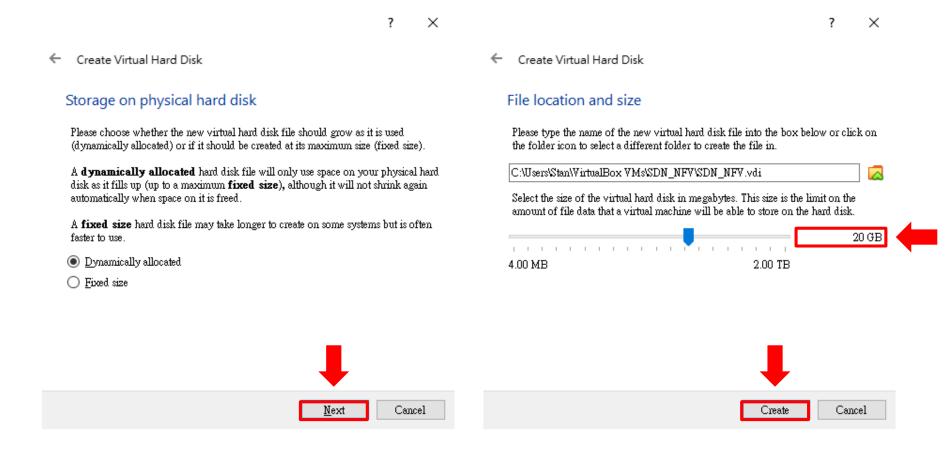
- 1. Click "Create"
- 2. Click "Next"





Virtual machine setting (4/10)

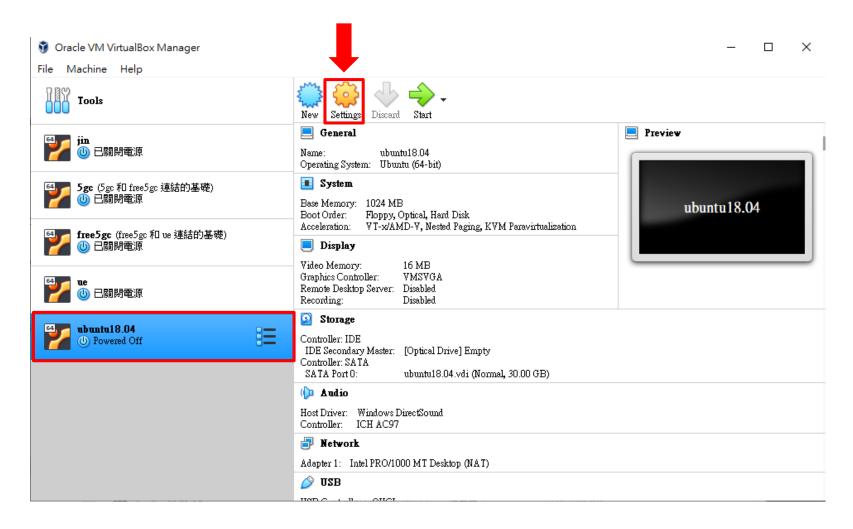
- 1. Click "Next"
- 2. Adjust the size of virtual HD to 20GB, then click "Create"





Virtual machine setting (5/10)

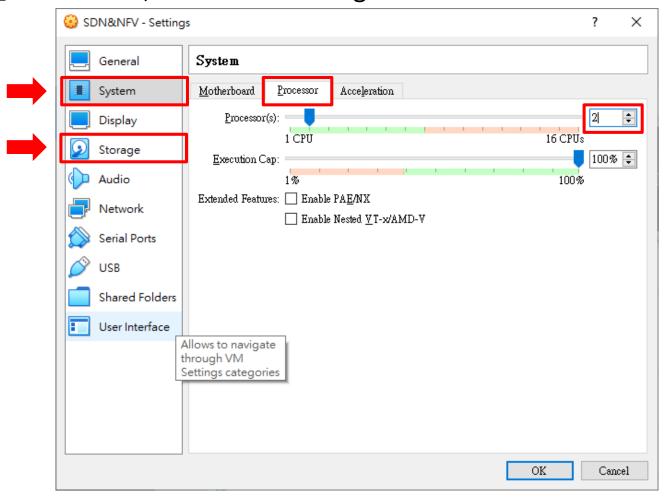
Click "Settings"





Virtual machine setting (6/10)

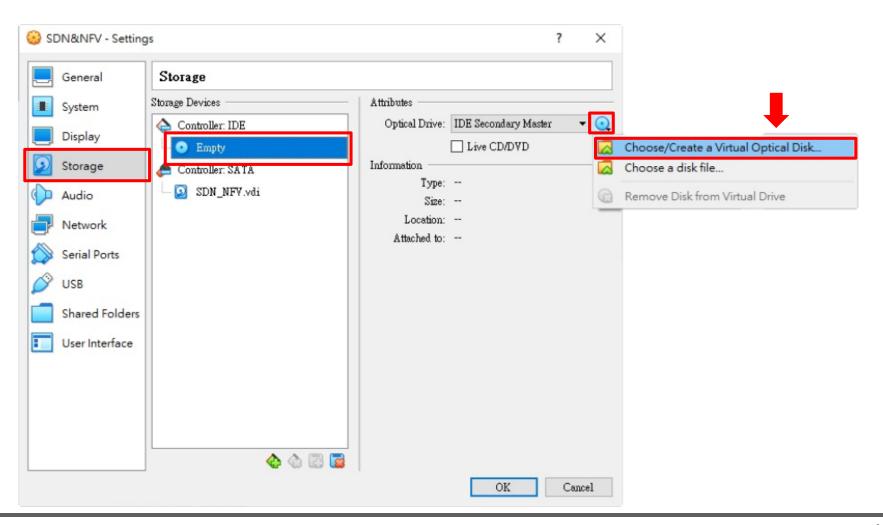
- System > Processor
 - Set 2 CPUs, then click "Storage"





Virtual machine setting (7/10)

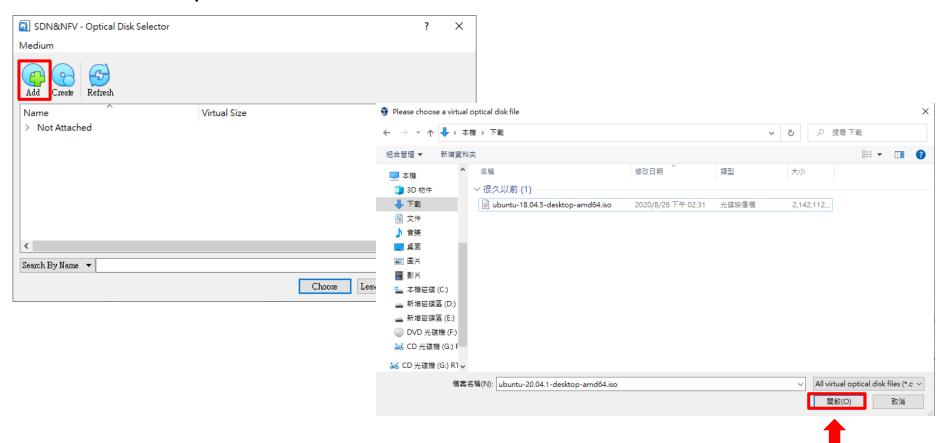
☐ Storage > Controller: IDE





Virtual machine setting (8/10)

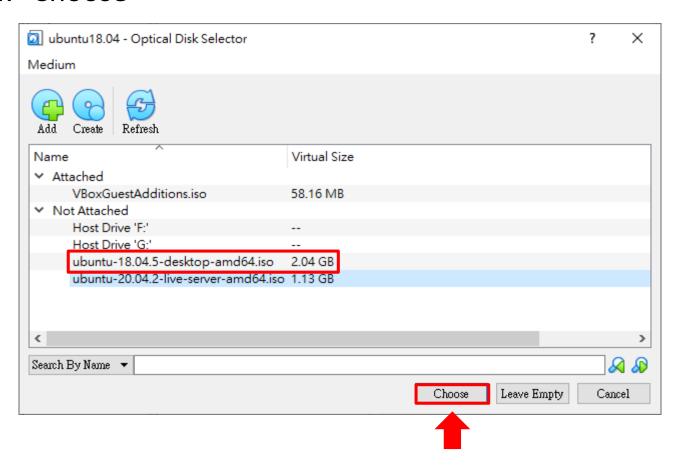
- 1. Click "Add"
- 2. Choose the previously downloaded image file (.iso)
- 3. Click "Open"





Virtual machine setting (9/10)

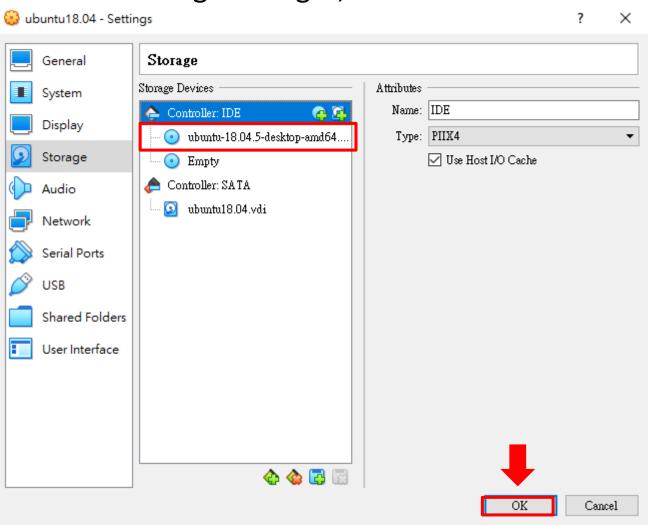
☐ Click "Choose"





Virtual machine setting (10/10)

☐ Make sure all settings are right, then click "OK"



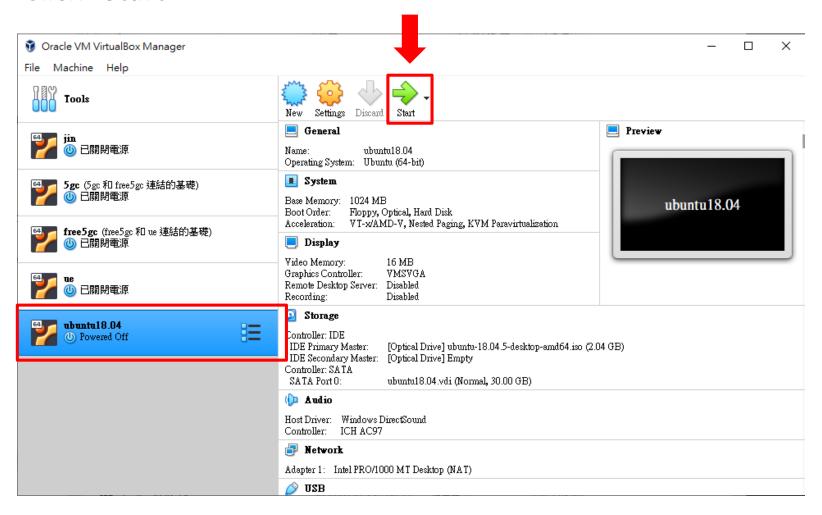


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 - **Ubuntu 18.04**



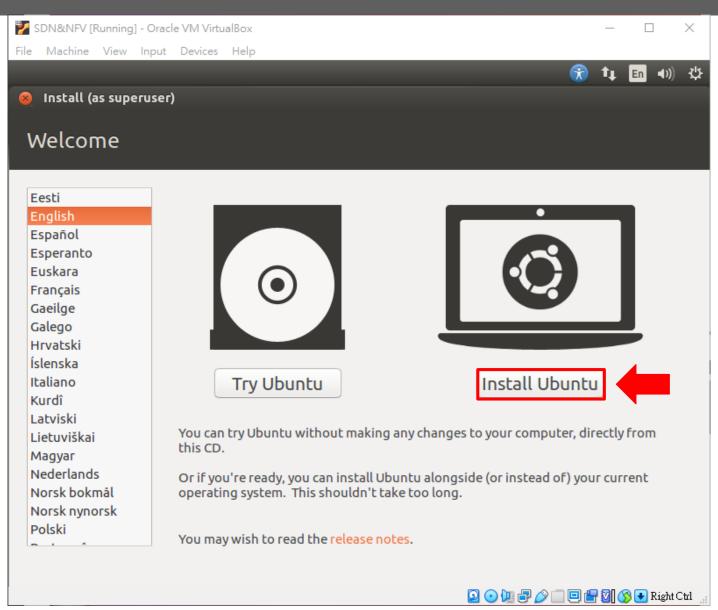
Ubuntu Installation (1/12)

Click "Start"



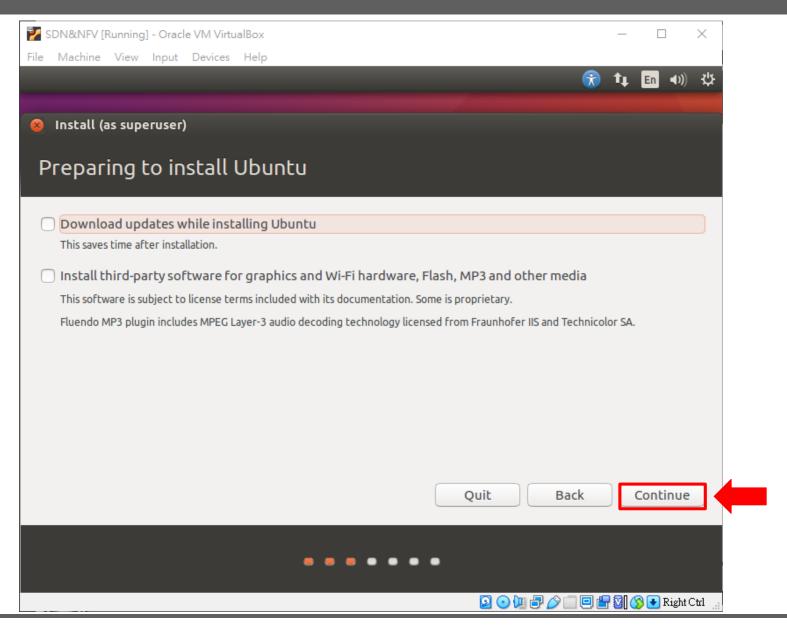


Ubuntu Installation (2/12)



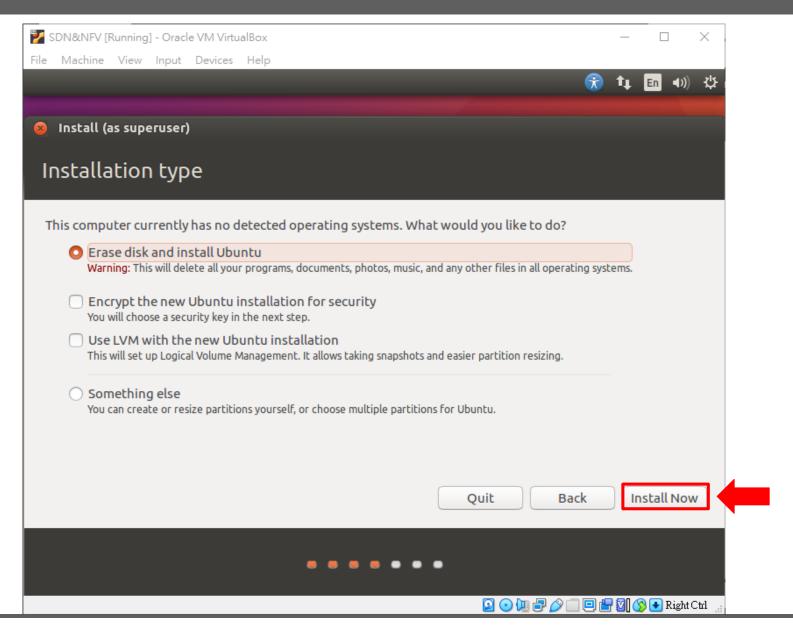


Ubuntu Installation (3/12)



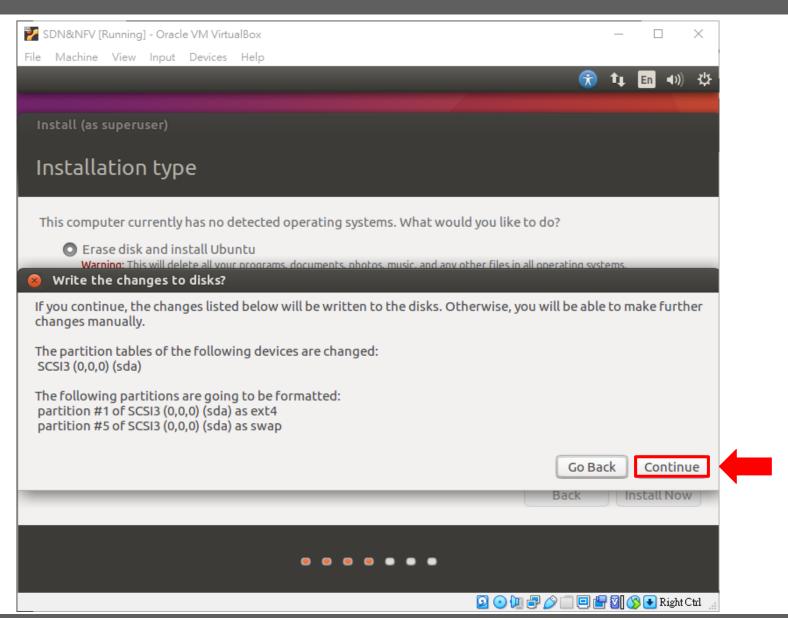


Ubuntu Installation (4/12)



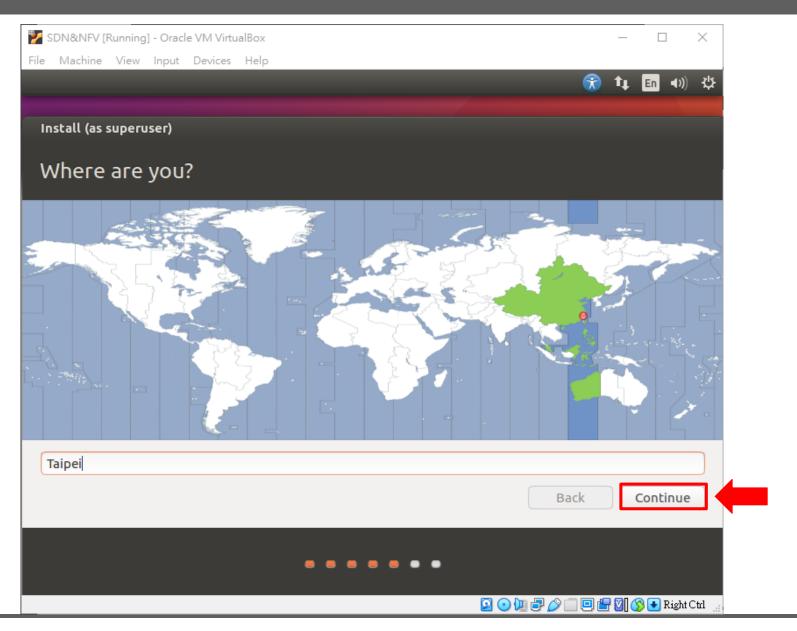


Ubuntu Installation (5/12)



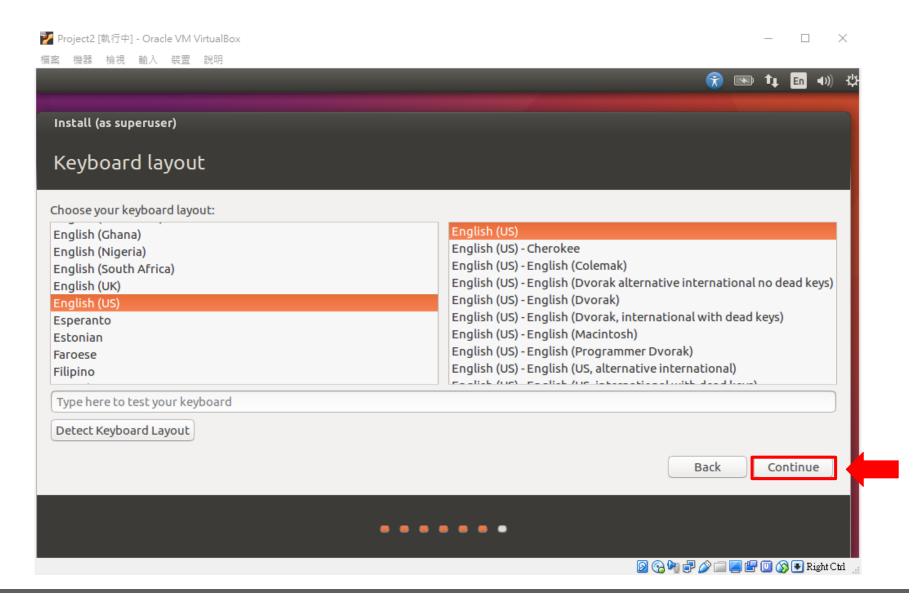


Ubuntu Installation (6/12)



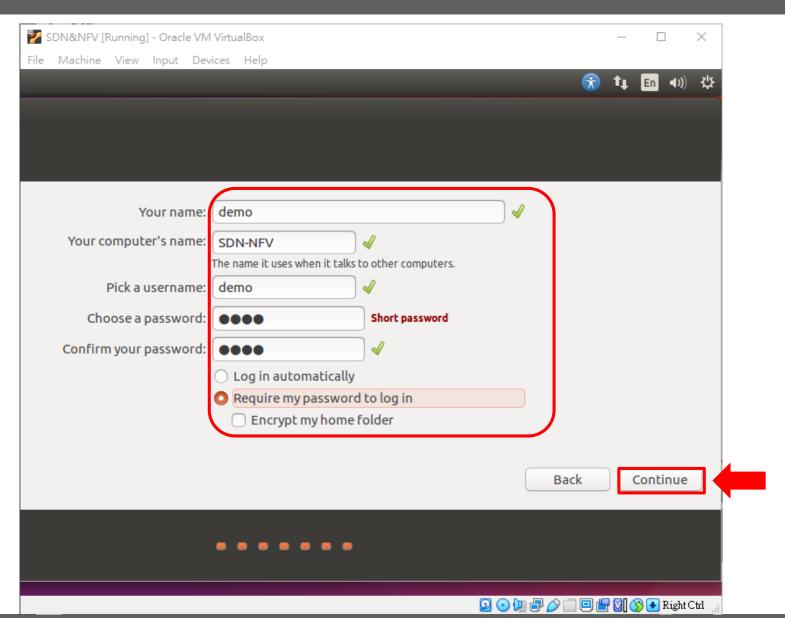


Ubuntu Installation (7/12)



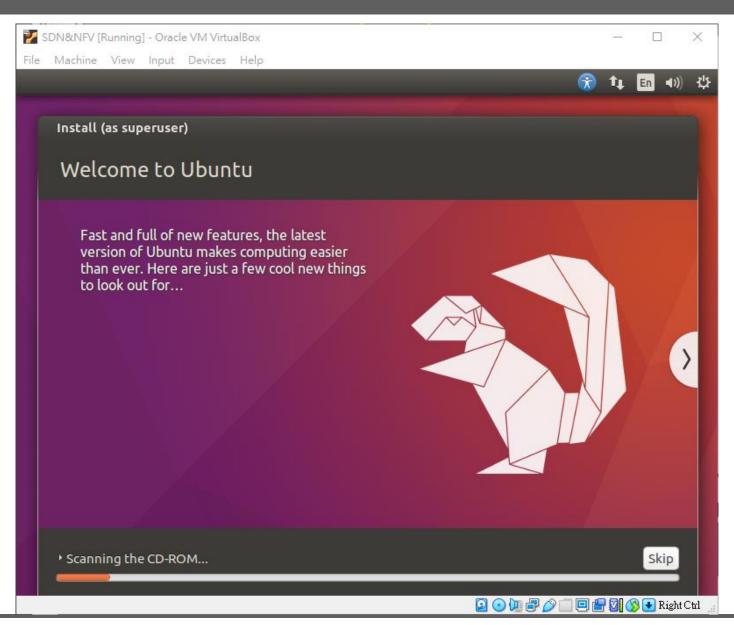


Ubuntu Installation (8/12)



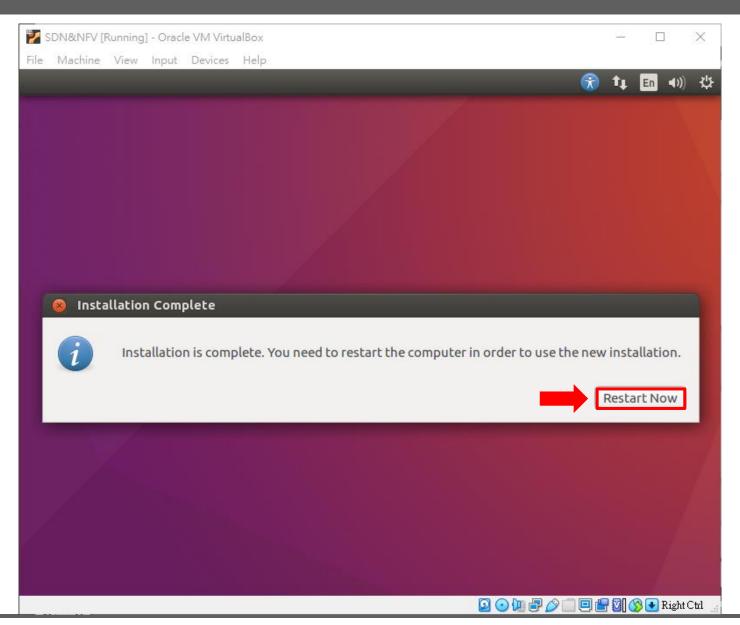


Ubuntu Installation (9/12)





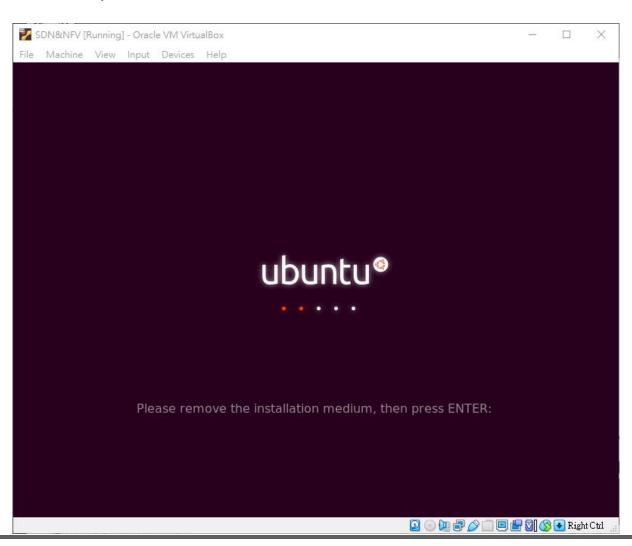
Ubuntu Installation (10/12)





Ubuntu Installation (11/12)

☐ Press "Enter", then VM will restart





Ubuntu Installation (12/12)

