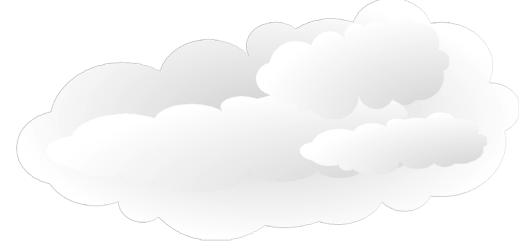


Environment Setup

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



- Objective
- ☐ Experiment Environment
- ☐ Installation
 - VirtualBox 6.1.2
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Experiment Environment

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



- Objective
- ☐ Experiment Environment
- Installation
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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



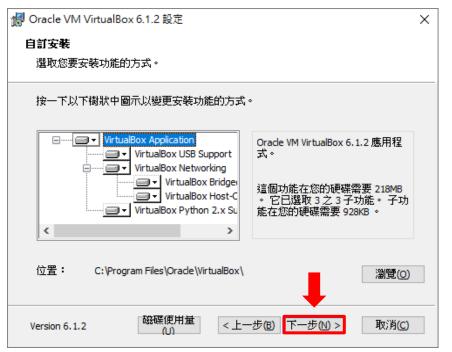


VirtualBox Installation (2/6)

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



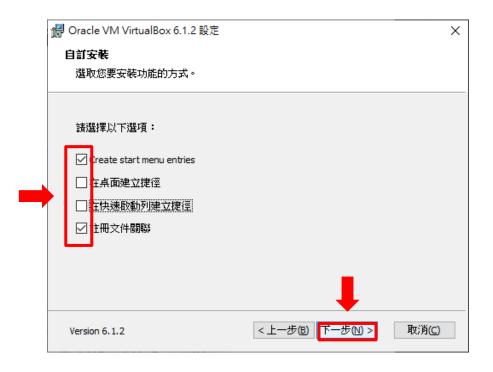






VirtualBox Installation (3/6)

Choose how you want to install



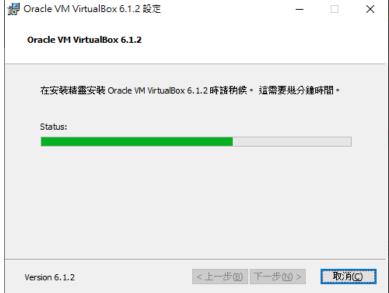


VirtualBox Installation (4/6)

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



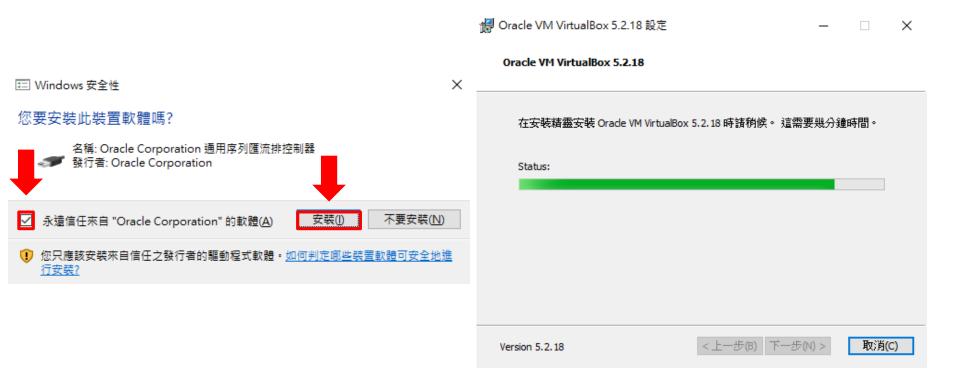






VirtualBox Installation (5/6)

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





VirtualBox Installation (6/6)

Click "Finish"





- ☐ Experiment Environment
- Installation
 - VirtualBox 6.1.2
 - Add VM
 - 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 18.04

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

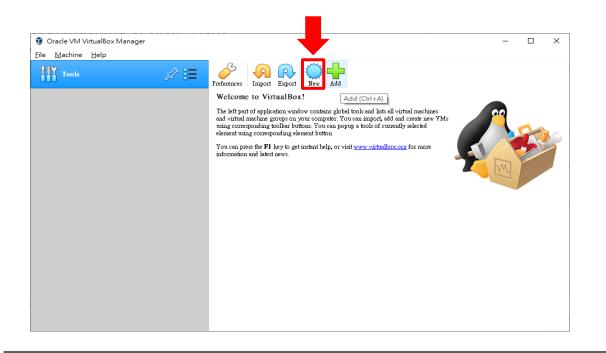
或是 至此瀏覽所有版本及檔案

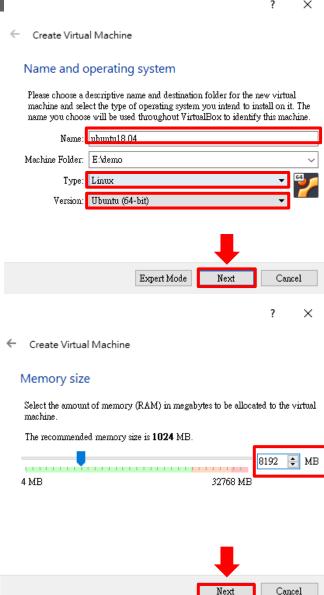




Virtual machine setting (2/10)

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

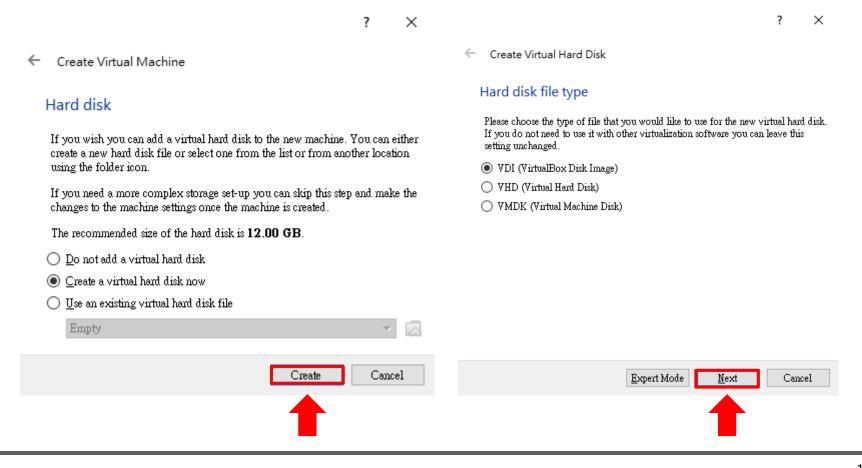






Virtual machine setting (3/10)

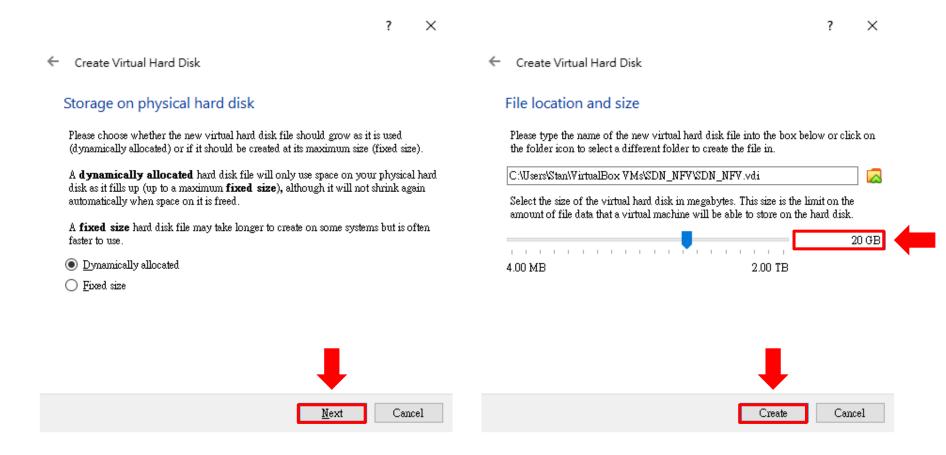
- 1. Click "Create"
- 2. Click "Next"





Virtual machine setting (4/10)

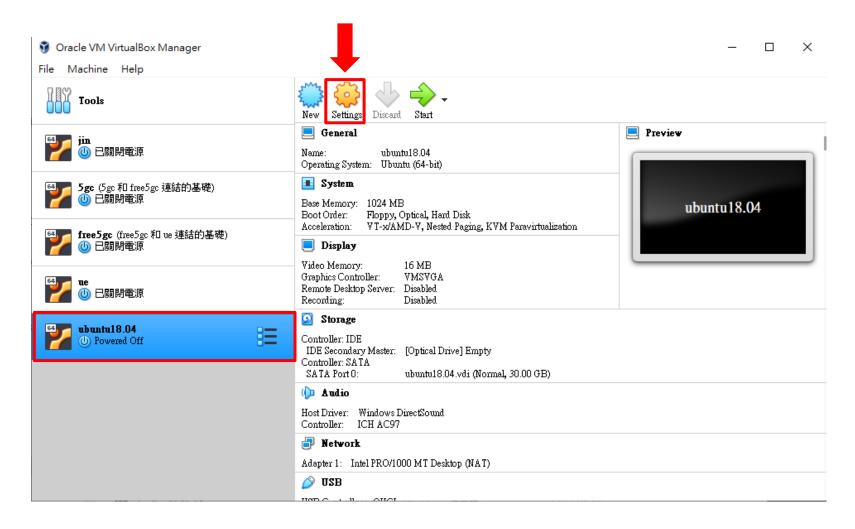
- 1. Click "Next"
- 2. Adjust the size of virtual HD to 20GB, then click "Create"





Virtual machine setting (5/10)

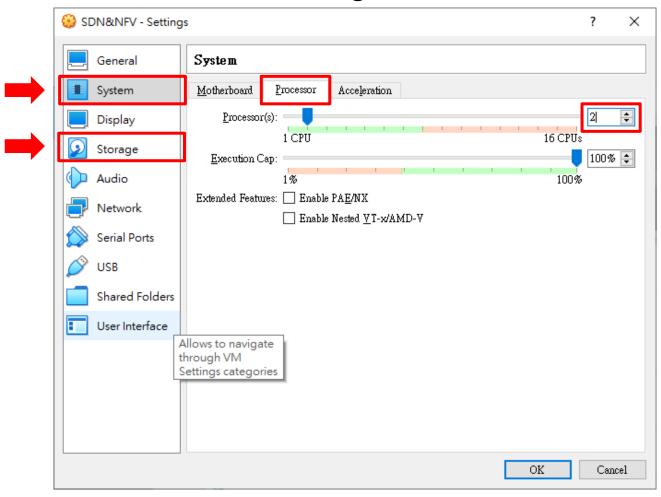
Click "Settings"





Virtual machine setting (6/10)

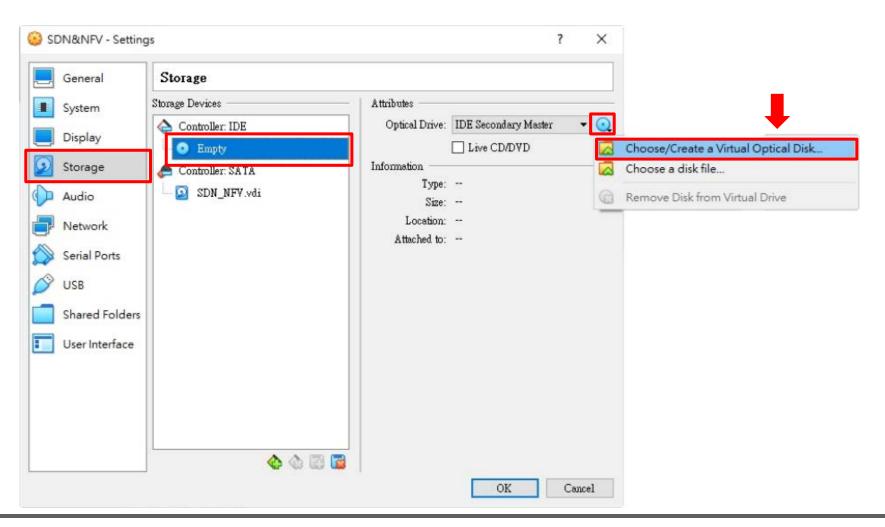
- System > Processor
 - Set 2 CPUs, then click "Storage"





Virtual machine setting (7/10)

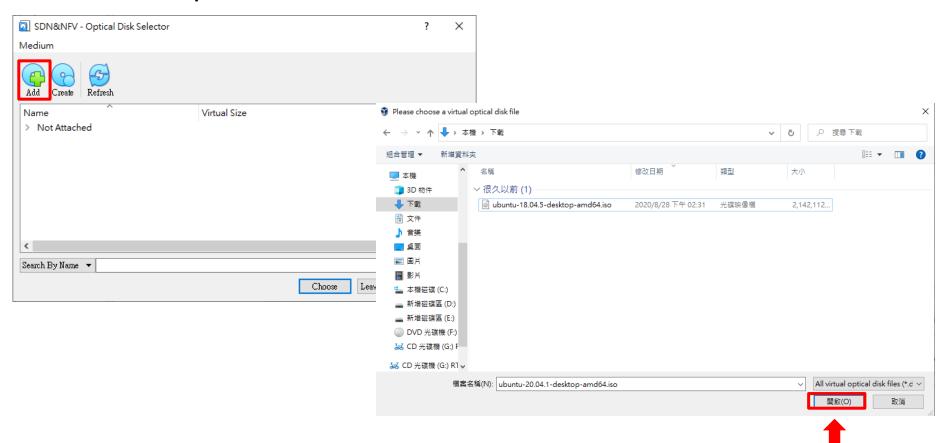
☐ Storage > Controller: IDE





Virtual machine setting (8/10)

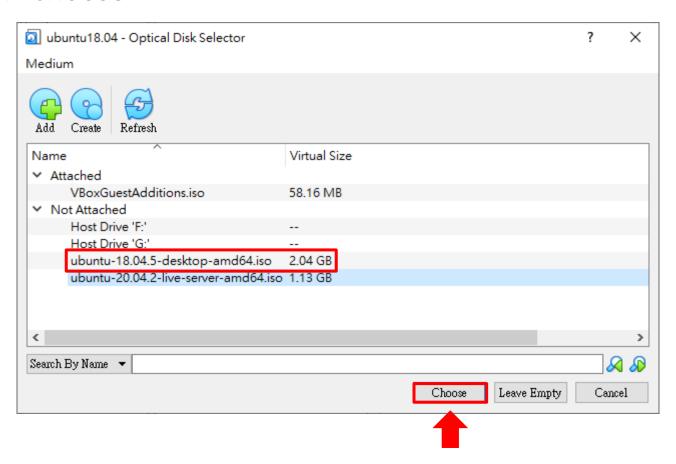
- 1. Click "Add"
- 2. Choose the previously downloaded image file (.iso)
- 3. Click "Open"





Virtual machine setting (9/10)

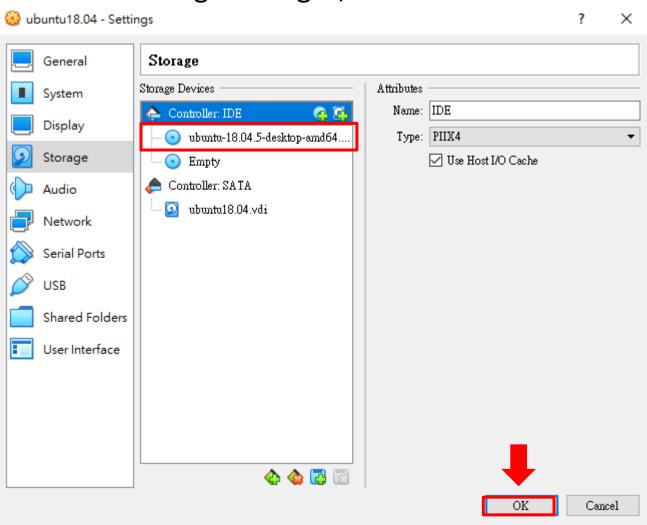
Click "Choose"





Virtual machine setting (10/10)

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



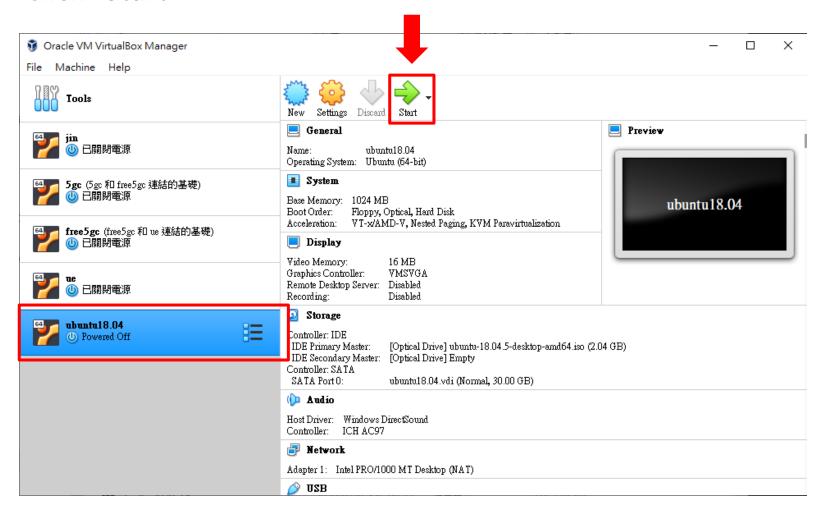


- ☐ Experiment Environment
- ☐ Installation
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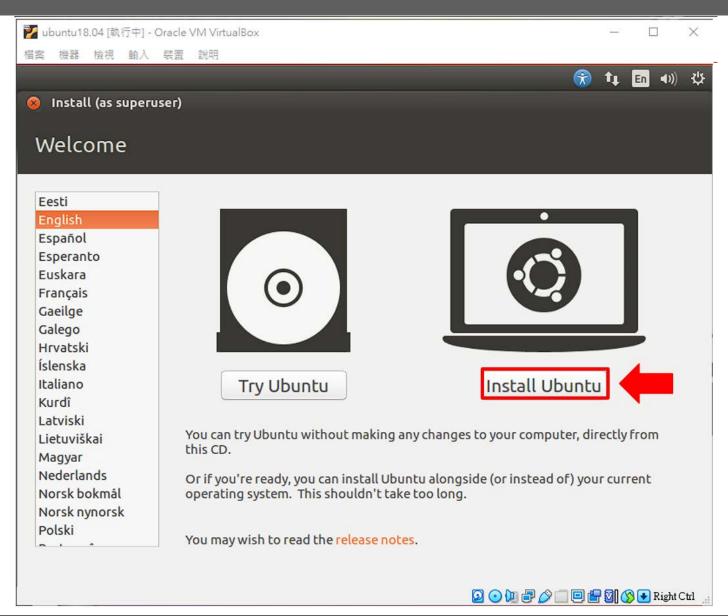
Ubuntu Installation (1/12)

Click "Start"



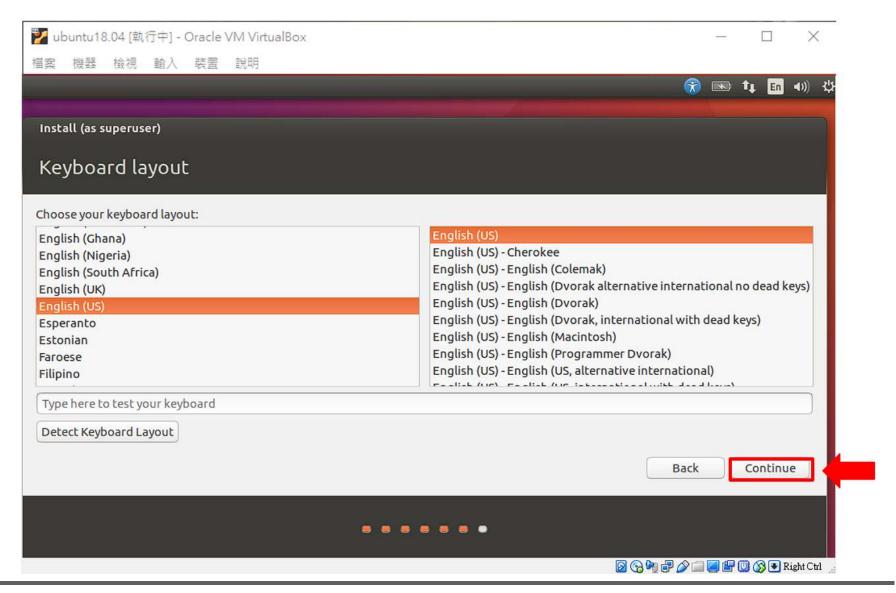


Ubuntu Installation (2/12)



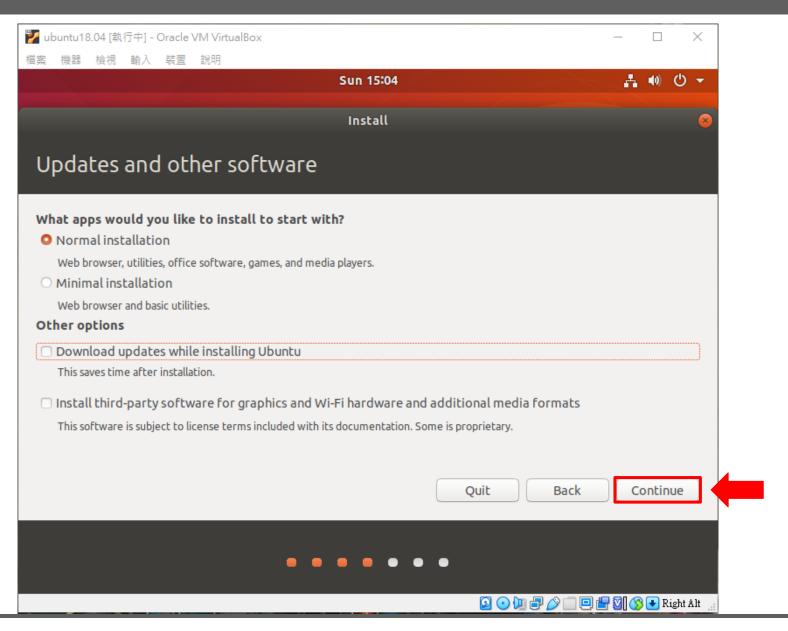


Ubuntu Installation (3/12)



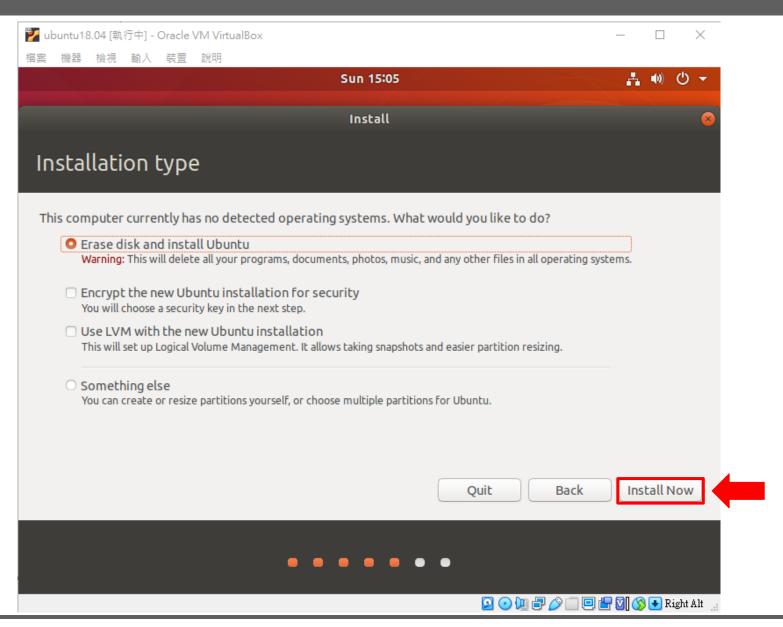


Ubuntu Installation (4/12)



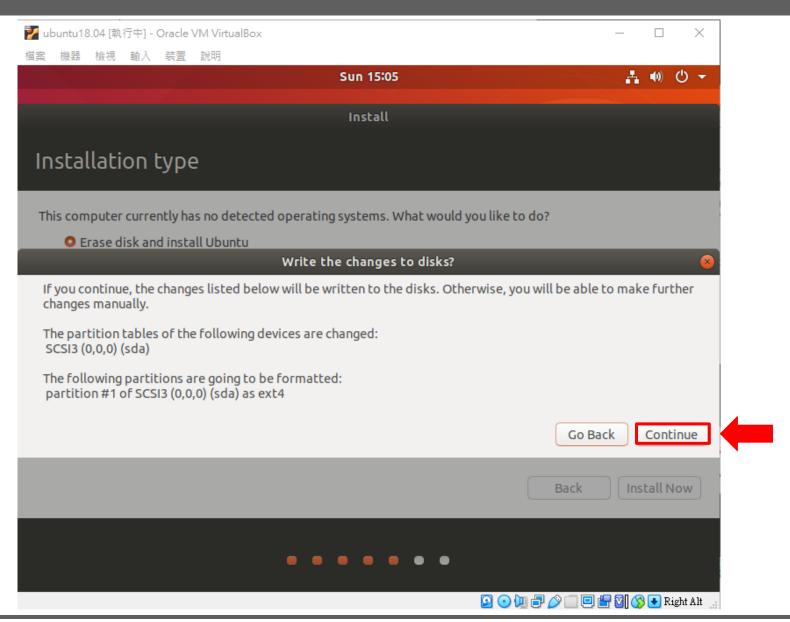


Ubuntu Installation (5/12)



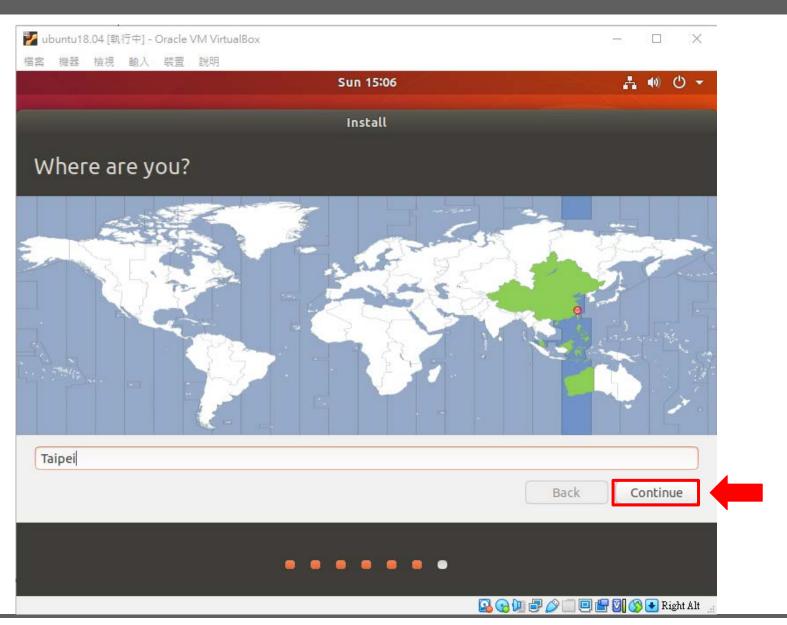


Ubuntu Installation (6/12)



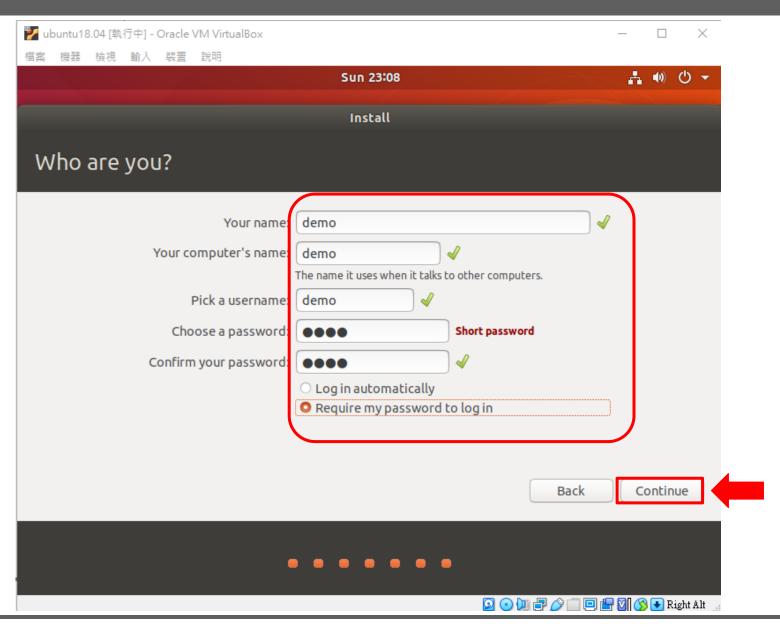


Ubuntu Installation (7/12)



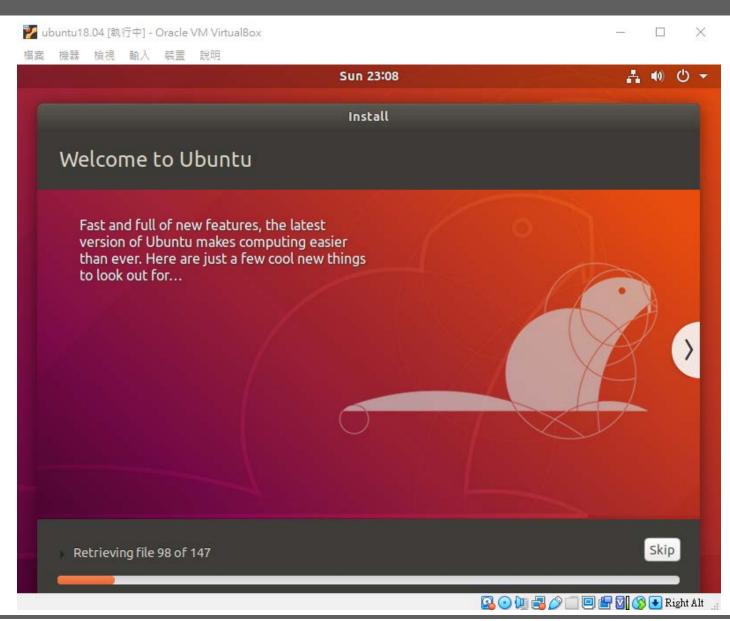


Ubuntu Installation (8/12)



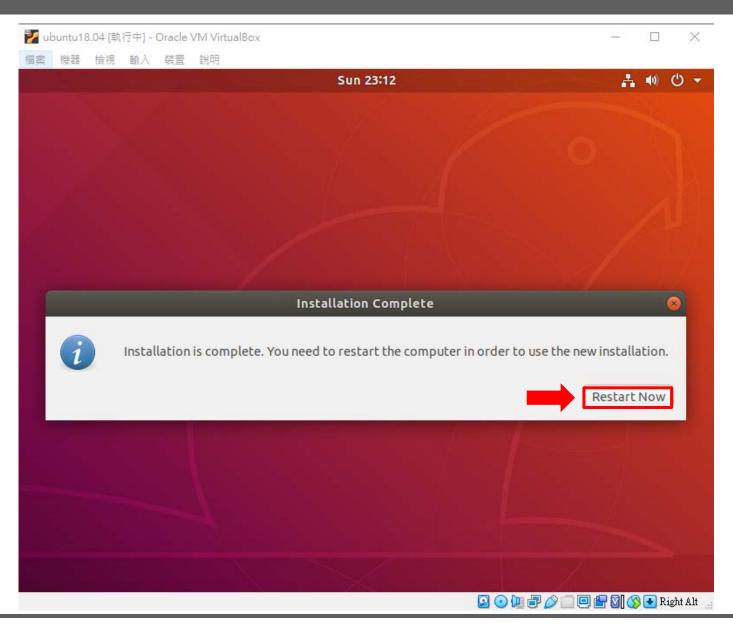


Ubuntu Installation (9/12)





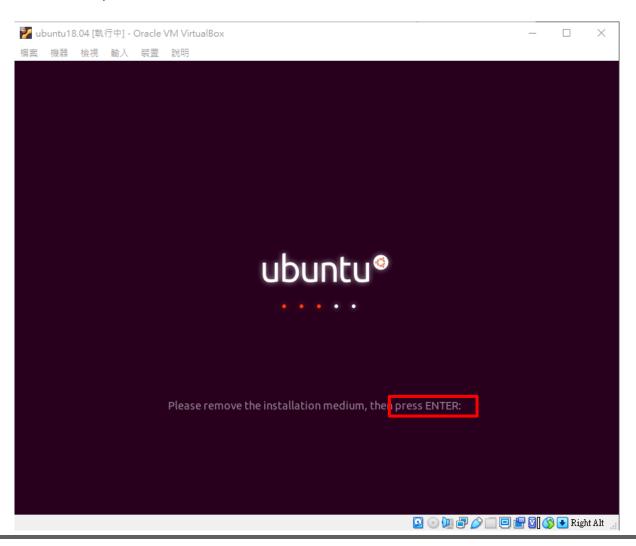
Ubuntu Installation (10/12)





Ubuntu Installation (11/12)

Press "Enter", then VM will restart





Ubuntu Installation (12/12)

