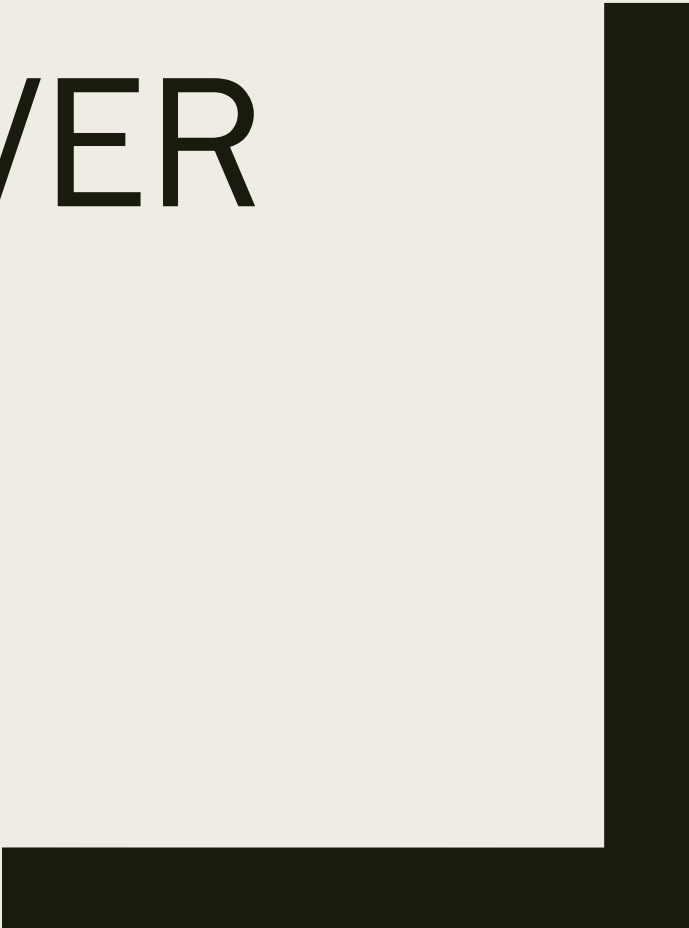




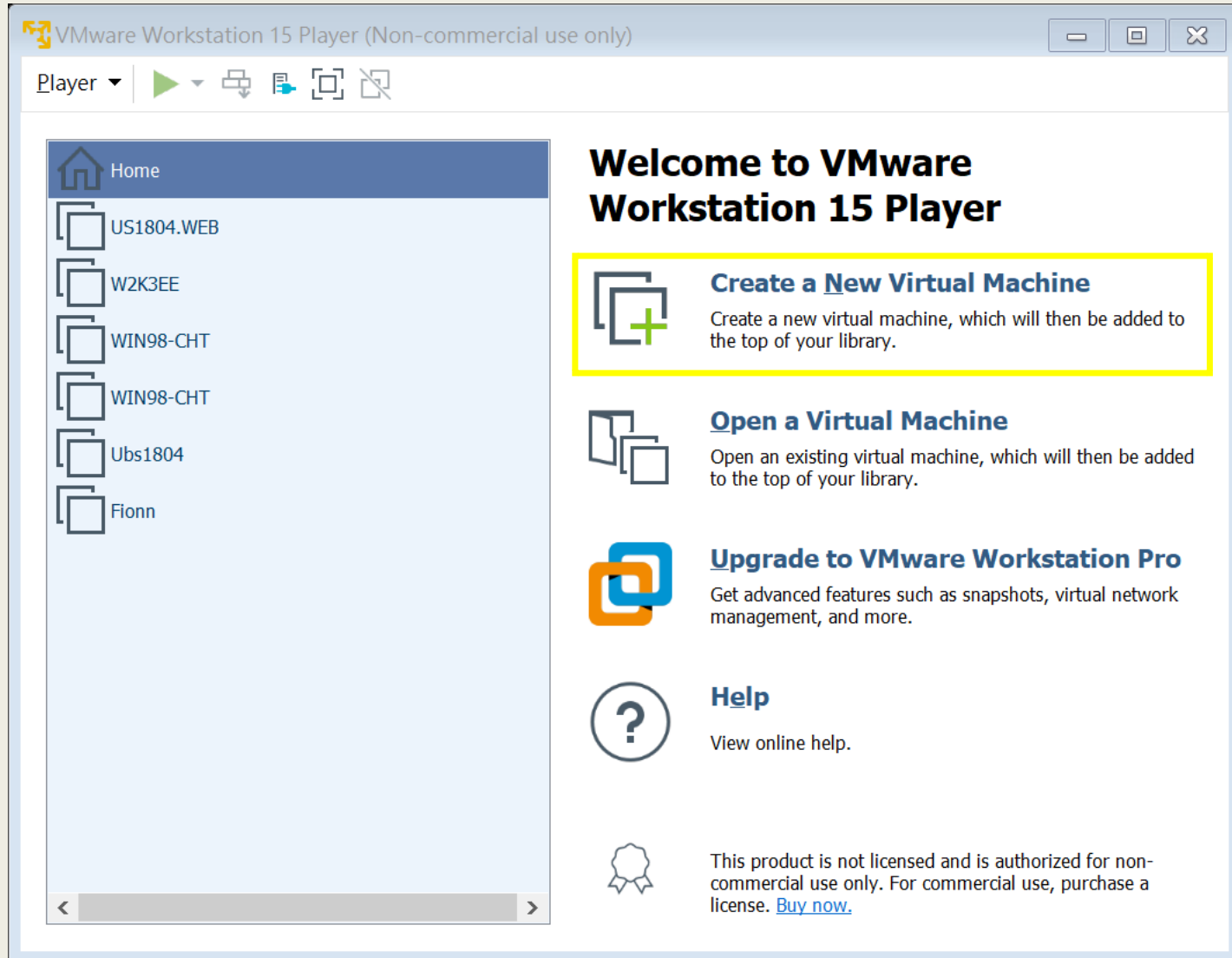
# UBUNTU SERVER

# 安裝手冊

買電腦回家



# 新增虛擬機



點選

Create a New Virtual Machine

# 手動安裝系統

New Virtual Machine Wizard

**Welcome to the New Virtual Machine Wizard**  
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:  
No drives available

☐ Installer disc image file (iso):  
D:\上課資料\培訓\CW2K3wSP1NOCDKey.ISO Browse...

☒ I will install the operating system later.  
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

因為我們是專業人士

選取專業人士的安裝方式

# 點選安裝系統

New Virtual Machine Wizard

**Select a Guest Operating System**  
Which operating system will be installed on this virtual machine?

Guest operating system

☐ Microsoft Windows

☒ Linux

☐ Other

Version

Ubuntu 64-bit

Help < Back Next > Cancel

我們安裝的是 Linux系統

系統是Ubuntu 64-bit

# 設定虛擬機名稱 和 位置

New Virtual Machine Wizard

**Name the Virtual Machine**  
What name would you like to use for this virtual machine?

Virtual machine name:  
US1804.WEB

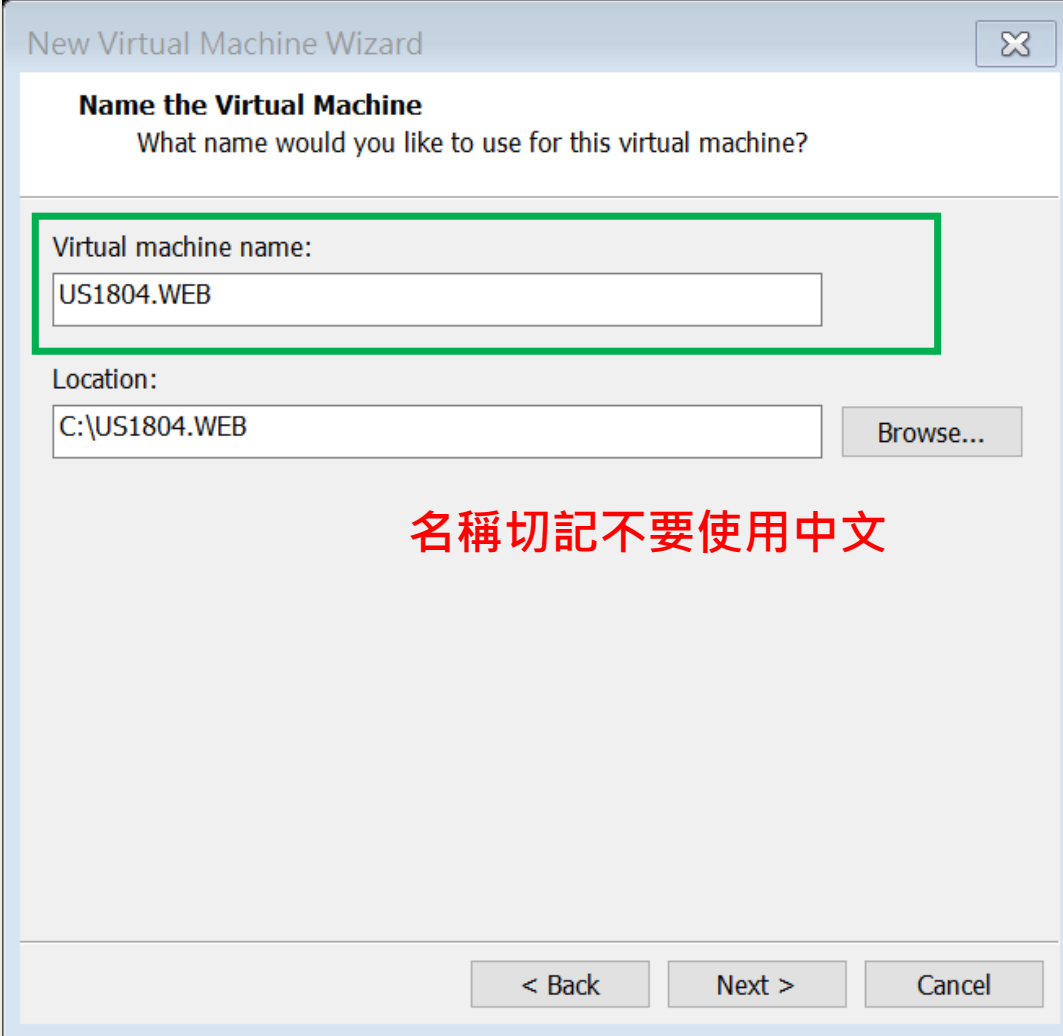
Location:  
C:\US1804.WEB Browse...

< Back Next > Cancel

資料夾名稱

資料夾位置

# 我們如何命名？



New Virtual Machine Wizard

**Name the Virtual Machine**  
What name would you like to use for this virtual machine?

Virtual machine name:  
US1804.WEB

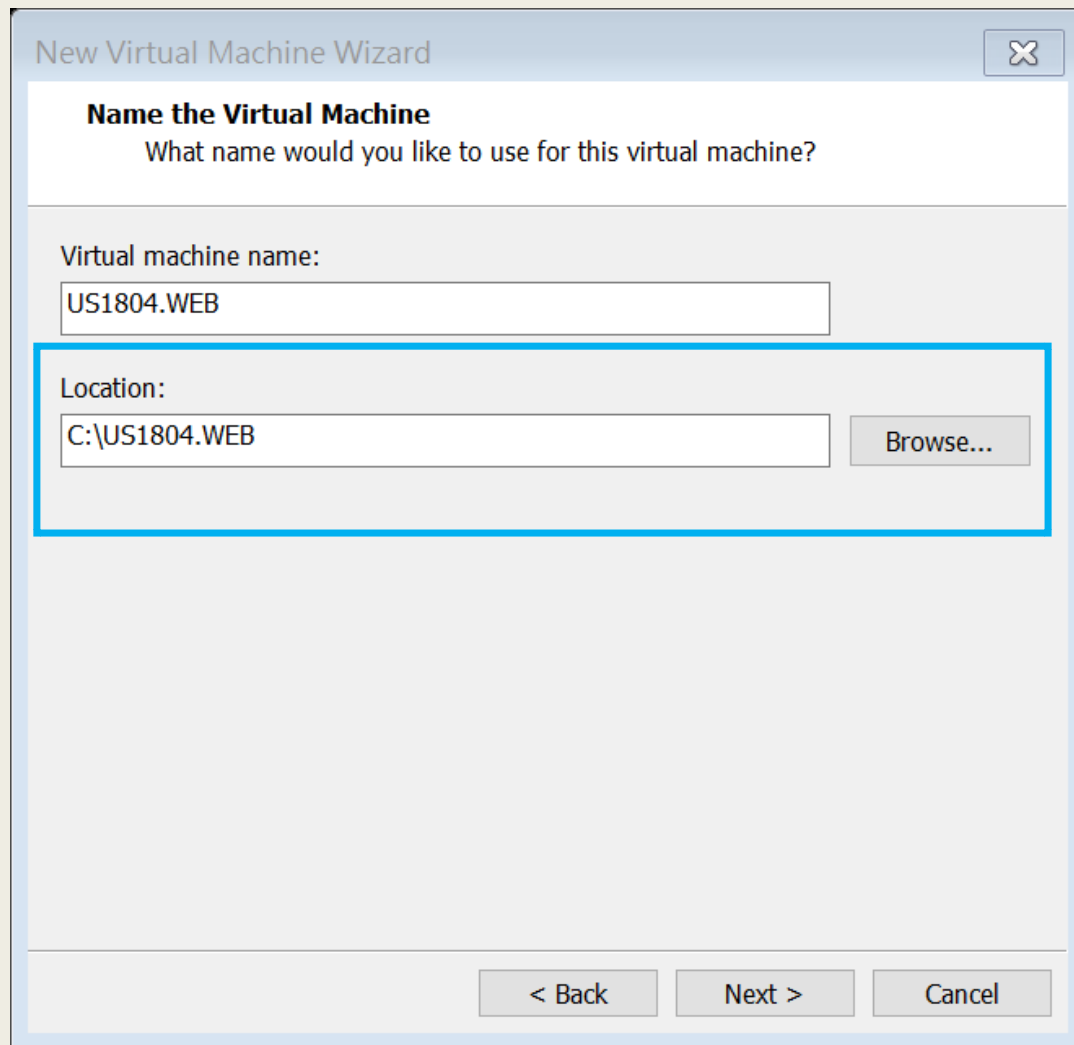
Location:  
C:\US1804.WEB Browse...

名稱切記不要使用中文

< Back Next > Cancel

我們檔案的全名為ubuntu-18.04.3-live-server-amd64，US為Ubuntu Server的簡寫，18.04.3為版本號，他分別代表意思年份.月份.修改次數，此為長期支援版本，修改過三次後的版本，支援五年，每兩年出一次。最後的amd為第一個發明64位元的公司，支援x86、i3、i5、i7，並不是只支援amd公司產品的意思，是為了尊重和紀念amd公司。另外arm是支援手機版本。.WEB則是我們要做網頁的意思。

# 我們如何設定位置？



New Virtual Machine Wizard

**Name the Virtual Machine**  
What name would you like to use for this virtual machine?

Virtual machine name:  
US1804.WEB



















Location:  
C:\US1804.WEB Browse...

< Back   Next >   Cancel

因為多數使用者常常找不到資料夾位置而吃了不少苦頭，所以就**直接放C槽下面**，不要像俄羅斯娃娃一樣，一層接著一層，時間都花在找東西上。

# 我們如何下載光碟片(系統)的?

## Index of /

| <u>Name</u>  | <u>Last modified</u> | <u>Size</u> |
|--|----------------------|-------------|
|  <a href="#">bionic/</a>          | 2018-07-26 17:02     | -           |
|  <a href="#">cdicons/</a>         | 2012-09-21 11:17     | -           |
|  <a href="#">daily-live/</a>      | 2019-11-24 08:35     | -           |
|  <a href="#">disco/</a>           | 2019-07-16 16:55     | -           |
|  <a href="#">eoan/</a>            | 2019-11-13 07:30     | -           |
|  <a href="#">include/</a>         | 2019-11-15 00:37     | -           |
|  <a href="#">kubuntu/</a>         | 2019-03-02 07:40     | -           |
|  <a href="#">lubuntu/</a>         | 2019-03-02 07:41     | -           |
|  <a href="#">mythbuntu/</a>       | 2019-03-02 07:42     | -           |
|  <a href="#">netboot/</a>         | 2019-10-17 15:50     | -           |
|  <a href="#">releases/</a>       | 2019-11-12 16:16     | -           |
|  <a href="#">source/</a>        | 2019-11-13 01:15     | -           |
|  <a href="#">ubuntu-base/</a>   | 2019-04-02 13:49     | -           |
|  <a href="#">ubuntu-budgie/</a> | 2018-05-03 16:09     | -           |
|  <a href="#">ubuntu-core/</a>   | 2018-10-30 09:23     | -           |
|  <a href="#">ubuntu-gnome/</a>  | 2019-03-02 07:41     | -           |
|  <a href="#">ubuntu-mate/</a>   | 2019-03-02 07:42     | -           |
|  <a href="#">ubuntu-server/</a> | 2019-11-11 10:27     | -           |






















首先到  
cdimage.Ubuntu.com  
點選release，此為正式版  
的意思



# 我們如何光碟片(系統)下載的？

## Index of /releases



| <a href="#">Name</a>   | <a href="#">Last modified</a> | <a href="#">Size</a> |
|--|-------------------------------|----------------------|
|  <a href="#">Parent Directory</a> |                               | -                    |
|  <a href="#">12.04.5/</a>         | 2012-04-26 09:21              | -                    |
|  <a href="#">12.04/</a>           | 2012-04-26 09:21              | -                    |
|  <a href="#">14.04.5/</a>         | 2014-04-17 15:32              | -                    |
|  <a href="#">14.04.6/</a>         | 2014-04-17 15:32              | -                    |
|  <a href="#">14.04/</a>           | 2014-04-17 15:32              | -                    |
|  <a href="#">16.04.5/</a>         | 2017-02-17 00:02              | -                    |
|  <a href="#">16.04.6/</a>         | 2017-02-17 00:02              | -                    |
|  <a href="#">16.04/</a>           | 2017-02-17 00:02              | -                    |
|  <a href="#">18.04.3/</a>         | 2019-08-08 12:41              | -                    |
|  <a href="#">18.04/</a>           | 2019-08-08 12:41              | -                    |
|  <a href="#">19.04/</a>          | 2019-04-18 05:25              | -                    |
|  <a href="#">19.10/</a>         | 2019-10-17 14:16              | -                    |
|  <a href="#">bionic/</a>        | 2019-08-08 12:41              | -                    |
|  <a href="#">disco/</a>         | 2019-04-18 05:25              | -                    |
|  <a href="#">eoan/</a>          | 2019-10-17 14:16              | -                    |
|  <a href="#">precise/</a>       | 2012-04-26 09:21              | -                    |
|  <a href="#">trusty/</a>        | 2014-04-17 15:32              | -                    |
|  <a href="#">xenial/</a>        | 2017-02-17 00:02              | -                    |



點選我們要的版本號

# 我們如何下載光碟片(系統)的?
















## Index of /releases/18.04.3

| <u>Name</u>  | <u>Last modified</u> | <u>Size</u> |
|--|----------------------|-------------|
|  <a href="#">Parent Directory</a> |                      | -           |
|  <a href="#">release/</a>         | 2019-11-12 16:19     | -           |

*Apache/2.4.18 (Ubuntu) Server at cdimage.ubuntu.com Port 80*

# 我們如何下載光碟片(系統)的?

找到我們  
想要的  
amd64.iso  
版本

|   |  |                  |      |
|---|--|------------------|------|
|    | <a href="#">ubuntu-18.04.3-preinstalled-server-armhf+raspi2.manifest</a>     | 2019-08-05 19:19 | 15K  |
|    | <a href="#">ubuntu-18.04.3-preinstalled-server-armhf+raspi3.img.xz</a>       | 2019-08-05 19:10 | 440M |
|    | <a href="#">ubuntu-18.04.3-preinstalled-server-armhf+raspi3.img.xz.zsync</a> | 2019-08-08 12:41 | 881K |
|    | <a href="#">ubuntu-18.04.3-preinstalled-server-armhf+raspi3.manifest</a>     | 2019-08-05 19:10 | 14K  |
|    | <a href="#">ubuntu-18.04.3-server-amd64.iso</a>                              | 2019-08-05 18:43 | 900M |
|    | <a href="#">ubuntu-18.04.3-server-amd64.iso.torrent</a>                      | 2019-08-08 12:42 | 35K  |
|    | <a href="#">ubuntu-18.04.3-server-amd64.iso.zsync</a>                        | 2019-08-08 12:42 | 1.8M |
|    | <a href="#">ubuntu-18.04.3-server-amd64.jigdo</a>                            | 2019-08-08 12:42 | 141K |
|    | <a href="#">ubuntu-18.04.3-server-amd64.list</a>                             | 2019-08-05 18:43 | 103K |
|    | <a href="#">ubuntu-18.04.3-server-amd64.manifest</a>                         | 2019-08-05 18:32 | 5.8K |
|   | <a href="#">ubuntu-18.04.3-server-amd64.metalink</a>                         | 2019-08-08 13:02 | 1.0K |
|  | <a href="#">ubuntu-18.04.3-server-amd64.template</a>                         | 2019-08-05 18:43 | 104M |
|  | <a href="#">ubuntu-18.04.3-server-arm64.iso</a>                              | 2019-08-05 18:45 | 903M |
|  | <a href="#">ubuntu-18.04.3-server-arm64.iso.torrent</a>                      | 2019-08-08 12:42 | 35K  |
|  | <a href="#">ubuntu-18.04.3-server-arm64.iso.zsync</a>                        | 2019-08-08 12:42 | 1.8M |

# 設定硬碟大小 和是否分割檔案

New Virtual Machine Wizard

**Specify Disk Capacity**  
How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 GB

☒ Store virtual disk as a single file

☐ Split virtual disk into multiple files  
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back **Next >** Cancel

請依據自己的電腦硬碟規格  
自行設定大小，預設是20GB

如果在**電腦上(NTFS)**  
做安裝，則選取此，  
之後備份較方便

如果用**隨身碟安裝或檔案格式為fat**，則選取此，Fat 32為4GB切  
成一個資料夾，若20GB為每4GB  
則會切五個資料夾

# 廠商和我們確定電腦規格

New Virtual Machine Wizard

**Ready to Create Virtual Machine**  
Click Finish to create the virtual machine and start installing Ubuntu 64-bit and then VMware Tools.

The virtual machine will be created with the following settings:

|                   |  |
|-------------------|--|
| Name:             | Ubs1804  |
| Location:         | C:\Users\acer\Documents\Virtual Machines\Ubs1804 |
| Version:          | Workstation 15.x                                 |
| Operating System: | Ubuntu 64-bit                                    |
| Hard Disk:        | 60 GB  |
| Memory:           | 2048 MB  |
| Network Adapter:  | NAT  |
| Other Devices:    | CD/DVD, USB Controller, Printer, Sound Card      |

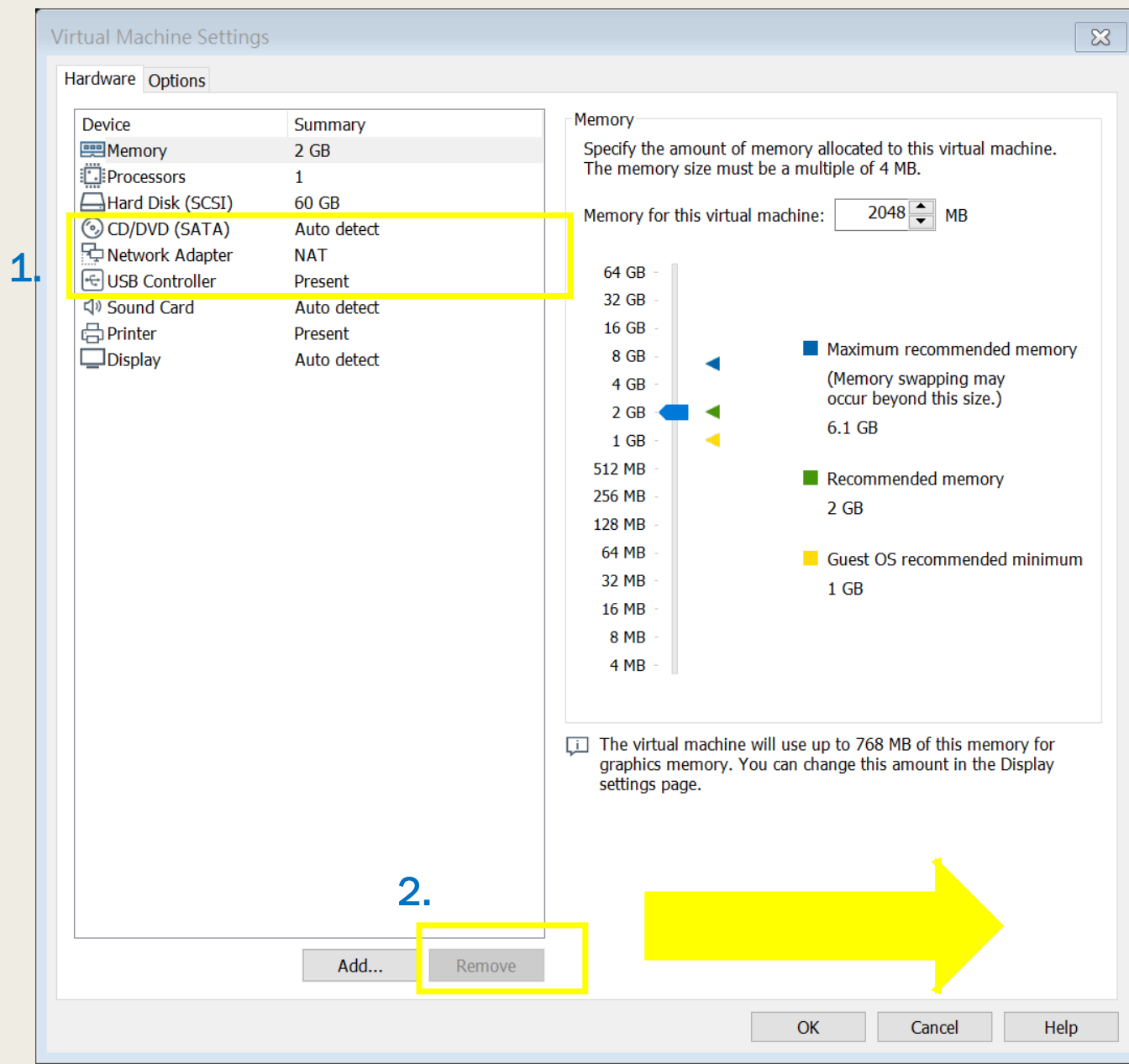
**Customize Hardware...**

☒ Power on this virtual machine after creation

< Back Finish Cancel

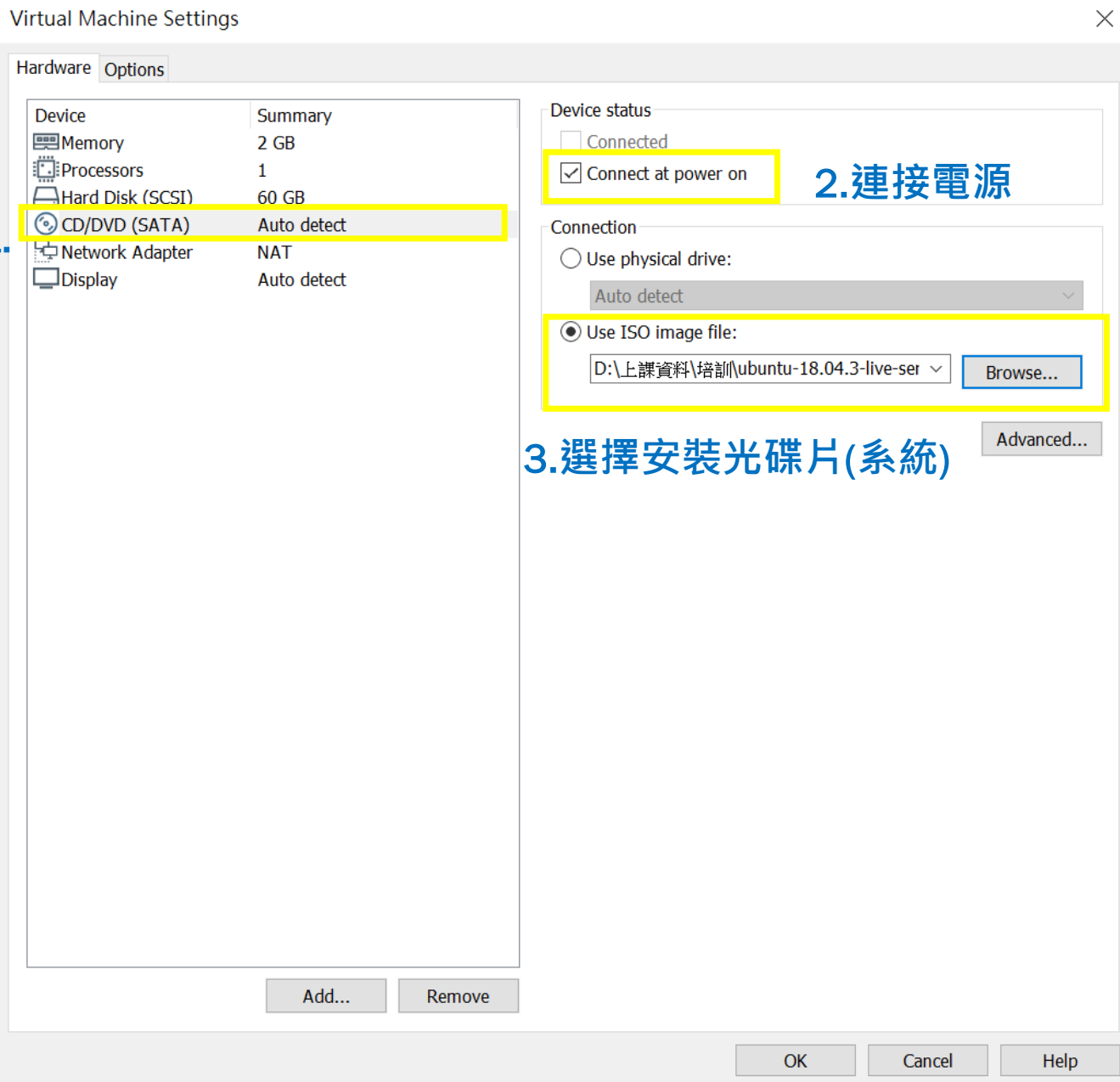
請先選取自訂規格。

# 設定電腦規格



安裝Server必須移除這些，尤其USB，一旦中毒或是資料外洩，後果不敢想像

# 設定電腦規格



# 設定電腦規格

New Virtual Machine Wizard

**Ready to Create Virtual Machine**  
Click Finish to create the virtual machine and start installing Ubuntu 64-bit and then VMware Tools.

The virtual machine will be created with the following settings:

|                   |  |
|-------------------|--|
| Name:             | Ubs1804  |
| Location:         | C:\Users\acer\Documents\Virtual Machines\Ubs1804 |
| Version:          | Workstation 15.x                                 |
| Operating System: | Ubuntu 64-bit                                    |
| Hard Disk:        | 60 GB  |
| Memory:           | 2048 MB  |
| Network Adapter:  | NAT  |
| Other Devices:    | CD/DVD, USB Controller, Printer, Sound Card      |

Customize Hardware...

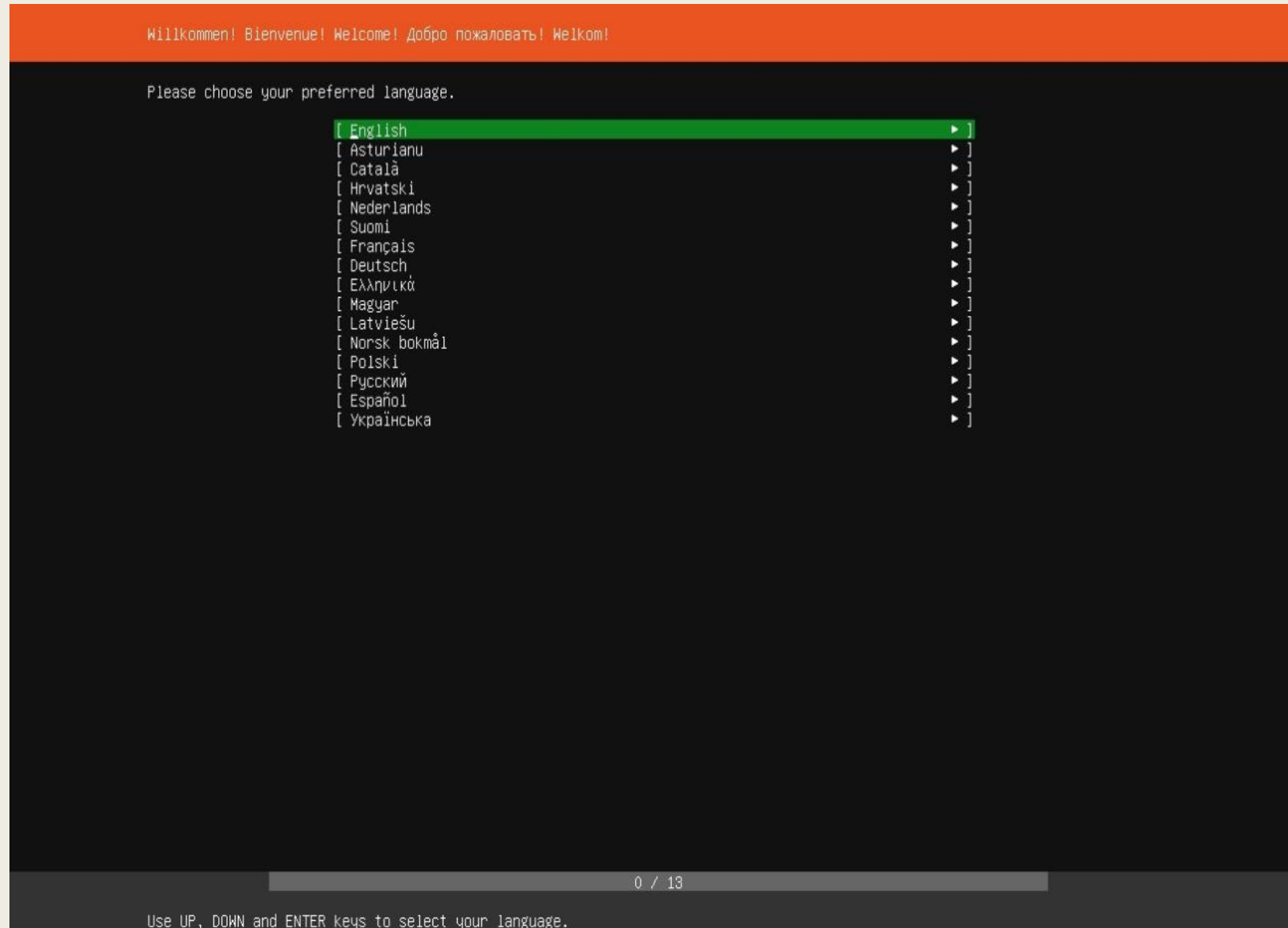
☒ Power on this virtual machine after creation

< Back Finish Cancel

勾選為自動安裝，和廠商確認好規格後，馬上可以把電腦帶回家

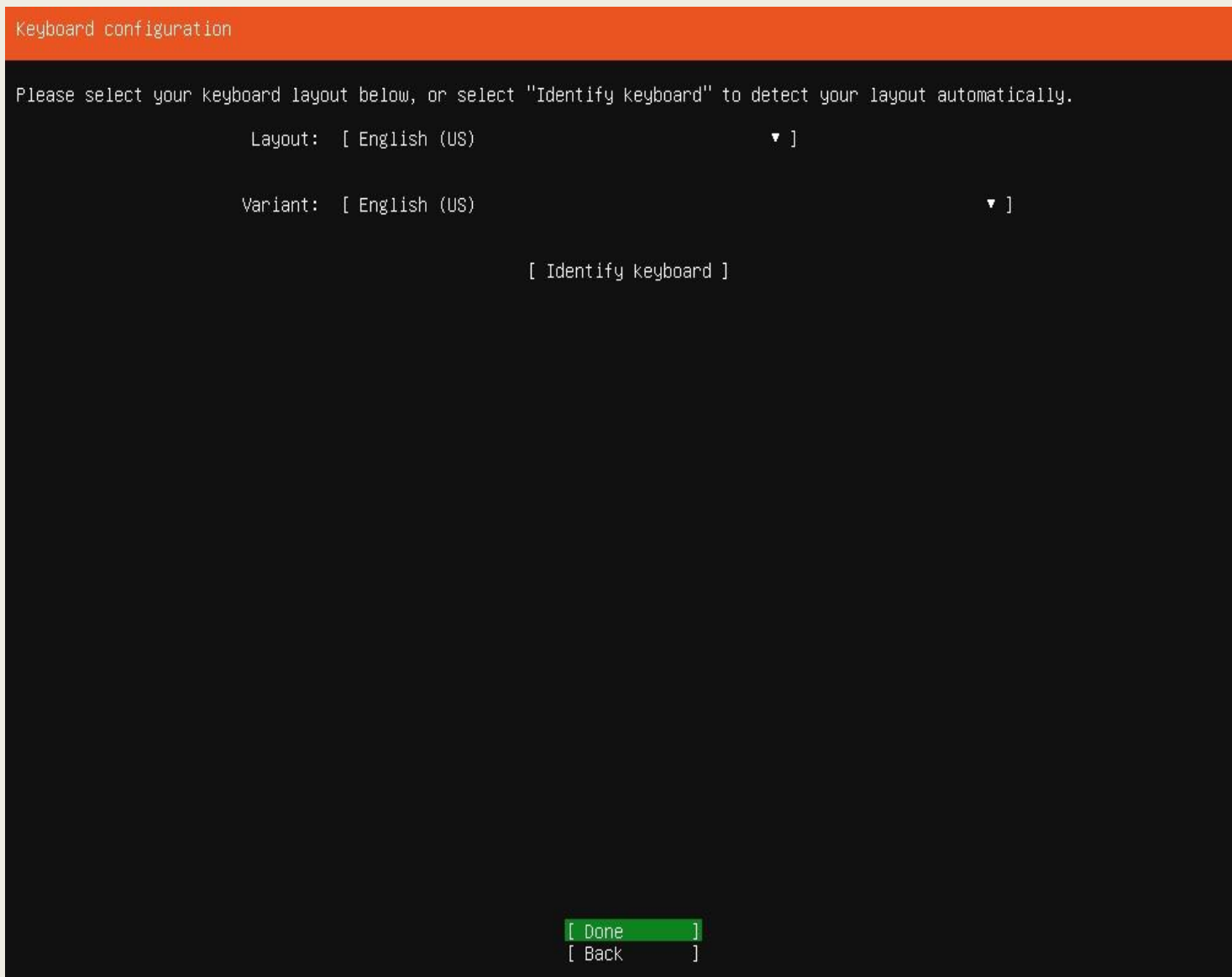


# 設定Server語言 環境



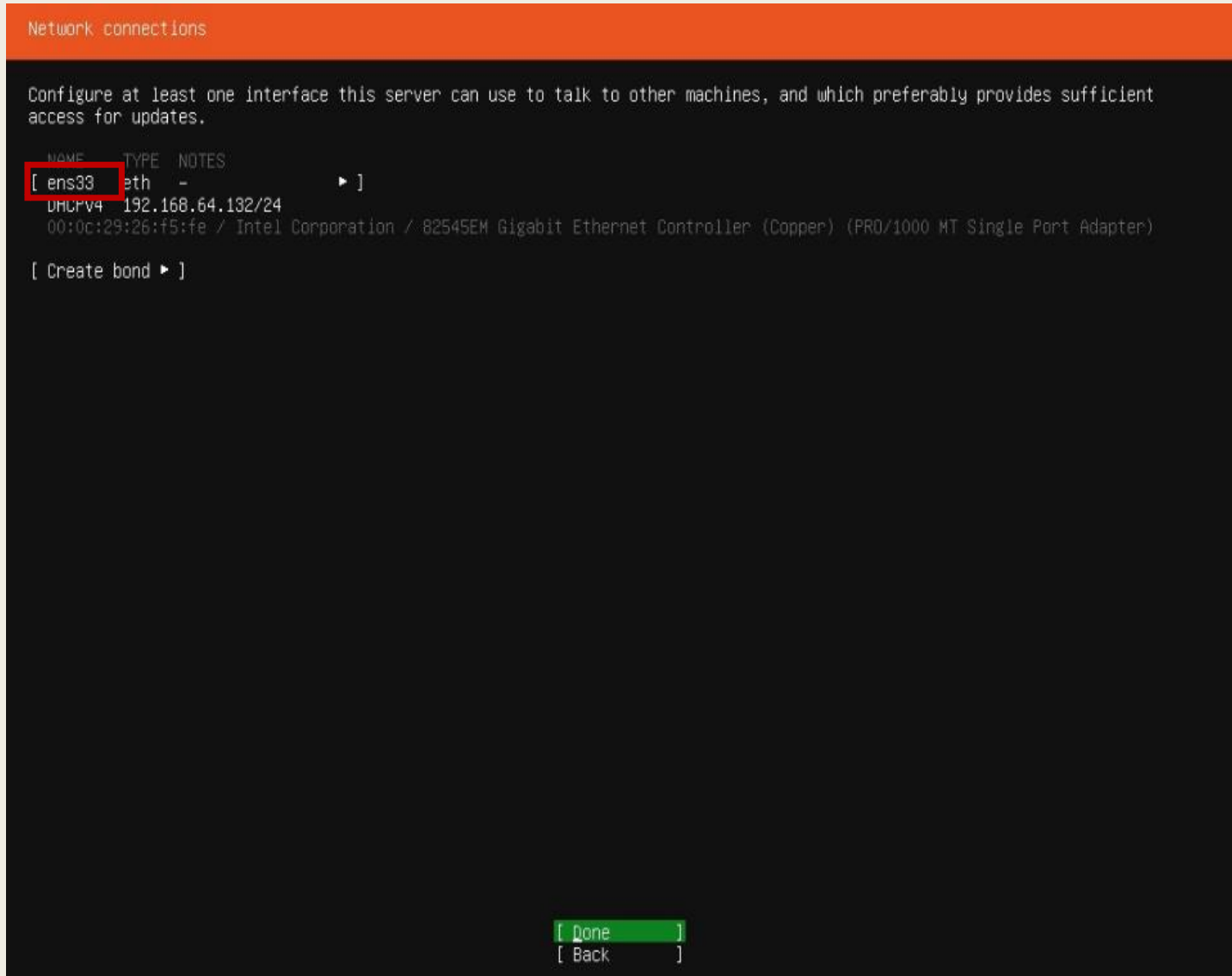
選取English，  
因為沒有中文。

# 設定鍵盤布局



台灣使用的都是美式  
鍵盤，請選擇  
English(US)

# 設定網路

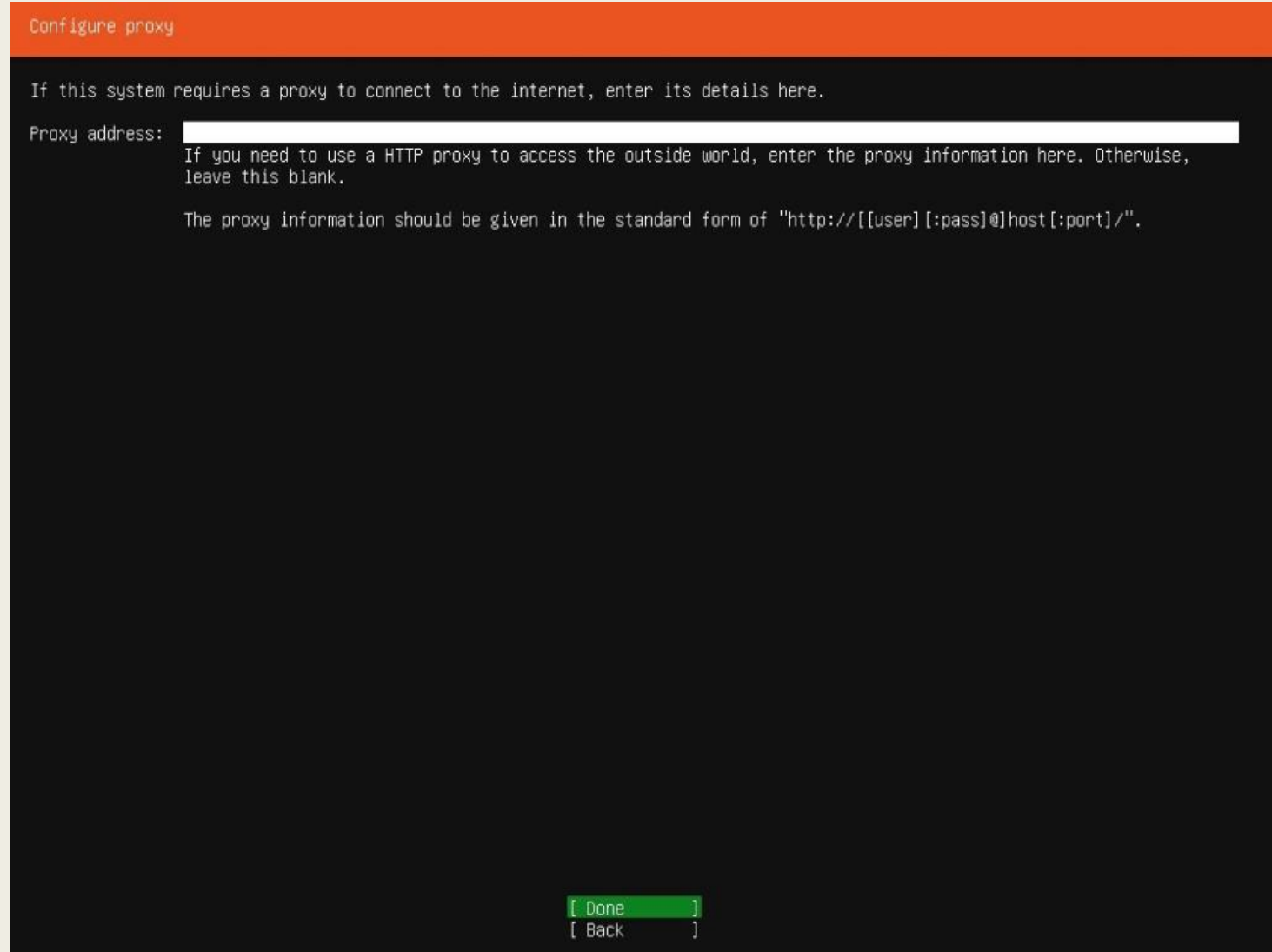


ens33為

Ubuntu Server的網卡  
名稱

虛擬機IP位址為  
DHCPv4給的

# 設定 Proxy address



Configure proxy

If this system requires a proxy to connect to the internet, enter its details here.

Proxy address:

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[[user][:pass]@]host[:port]/".

[ Done ]  
[ Back ]

Proxy address為

公司內部使用者只允許透過一個地址(網路終端)去連網，

是大單位、或是很保護資安的公司才會需要設定。

# 設定Mirror address

Configure Ubuntu archive mirror

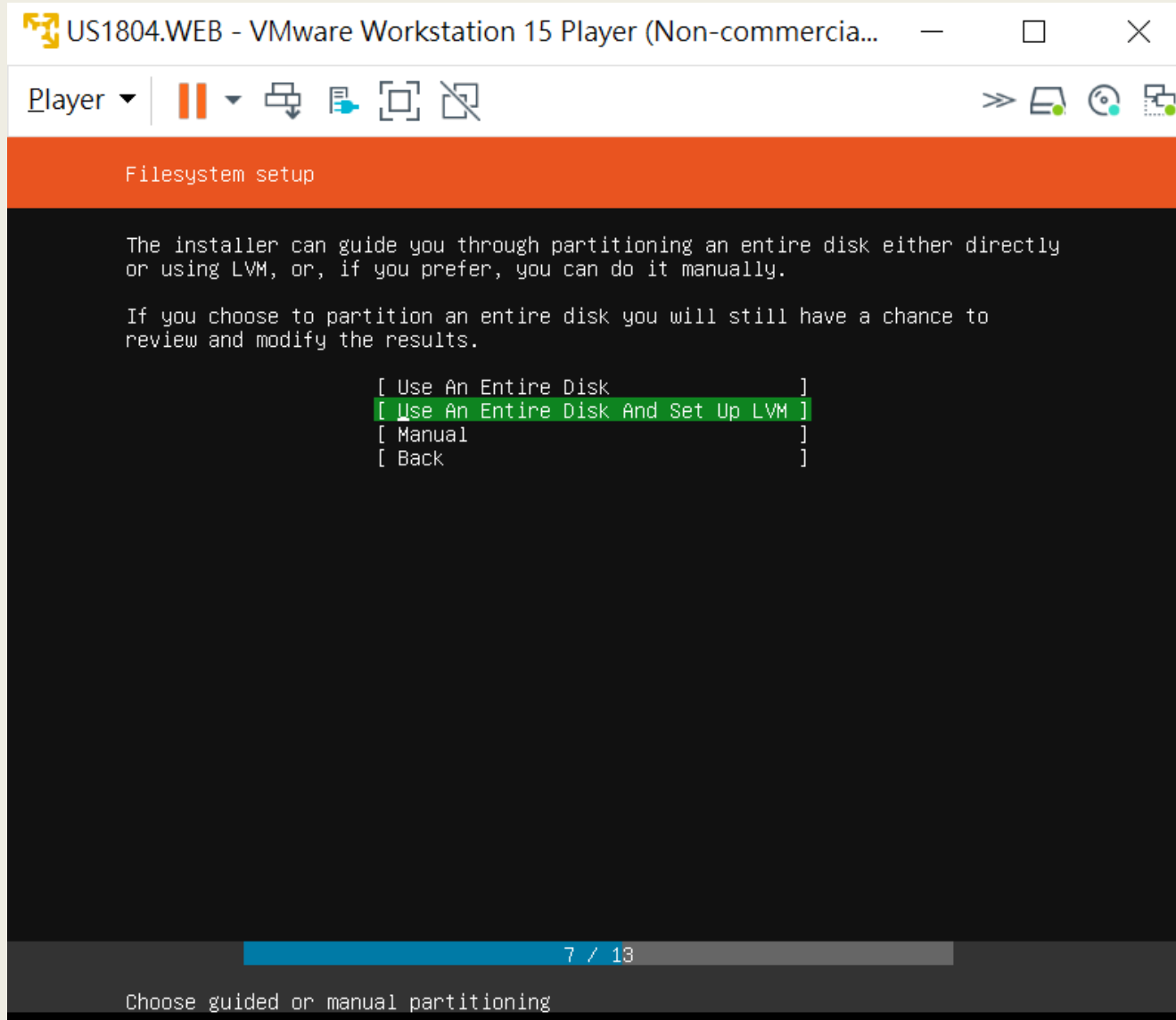
If you use an alternative mirror for Ubuntu, enter its details here.

Mirror address:

You may provide an archive mirror that will be used instead of the default.

Canonical公司跟各地公司合作，將Ubuntu對外發行的版本，備份在合作公司伺服器上，以便就近的使用者使用。

# 設定硬碟安裝



用整個硬碟，避免檔案被切割便於管理。LVM，Logical Volume Manager，為整合多個實體 partition 在一起，讓這些 partitions 看起來就像是一個磁碟。若預想到日後空間不足，可點選此選項。

# 硬碟設定

## Filesystem setup

The selected guided partitioning scheme creates the required bootloader partition on the chosen disk and then creates a single partition covering the rest of the disk, formatted as ext4 and mounted at '/'.

Choose the disk to install to:

[ /dev/sda local disk 60.000G ► ]  
unused

安裝在此硬碟，  
/dev/sda為第一  
顆硬碟，不一定  
是SATA硬碟

# 硬碟分割區保留區

```
Filesystem setup

FILE SYSTEM SUMMARY

  MOUNT POINT    SIZE    TYPE    DEVICE TYPE
[ /              59.998G new ext4 new partition of local disk ▶ ]

AVAILABLE DEVICES

  No available devices

[ Create software RAID (md) ▶ ]
[ Create volume group (LVM) ▶ ]

USED DEVICES

  DEVICE                                TYPE    SIZE
[ /dev/sda                                local disk 60.000G ▶ ]
  partition 1 new, to be formatted as ext4, mounted at / 59.998G ▶

[ Done ]
[ Reset ]
[ Back ]
```

依據每個人電腦  
規格不同，這裡  
也會不相同



# 何謂ESP? EFI?

## Filesystem setup

### FILE SYSTEM SUMMARY

| MOUNT POINT | SIZE     | TYPE      | DEVICE TYPE                     |
|-------------|----------|-----------|---------------------------------|
| [ /         | 799.498G | new ext4  | new partition of local disk ▶ ] |
| [ /boot/efi | 512.000M | new fat32 | new partition of local disk ▶ ] |

### AVAILABLE DEVICES

No available devices

[ Create software RAID (md) ▶ ]  
[ Create volume group (LVM) ▶ ]

### USED DEVICES

| DEVICE   | TYPE       | SIZE         |
|--|------------|--------------|
| [ /dev/sda   | local disk | 800.000G ▶ ] |
| partition 1 new, <b>ESP</b> , to be formatted as fat32, mounted at /boot, <b>efi</b> |            | 512.000M ▶   |
| partition 2 new, to be formatted as ext4, mounted at /                               |            | 799.498G ▶   |

# 何謂ESP? EFI?

ESP為開機或顯示錯誤的緩衝區

EFI取代傳統BIOS介面，並且拋去BIOS需要長時間的自檢問題，讓硬體初始化和引導系統變快速簡潔。而EFI在微軟的支持下可以使用2.2TB以上啟動硬碟(Intel的則是2.1TB以上)，BIOS在大容量硬碟如果沒有借助第三方軟體就只能當數據硬碟使用。Linux 在MBR中有2.2TB限制，大於2.2TB時就需要GUID分區表(GPT)結構，系統安裝的時候會使用get的切割方式(MBR是主啟動磁區，最大容量為2.1TB。GPT支援硬碟容量18EB，最大支援128個分區)

# 設定帳號密碼

Profile setup

Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.

Your name:

Your server's name:   
The name it uses when it talks to other computers.

Pick a username:

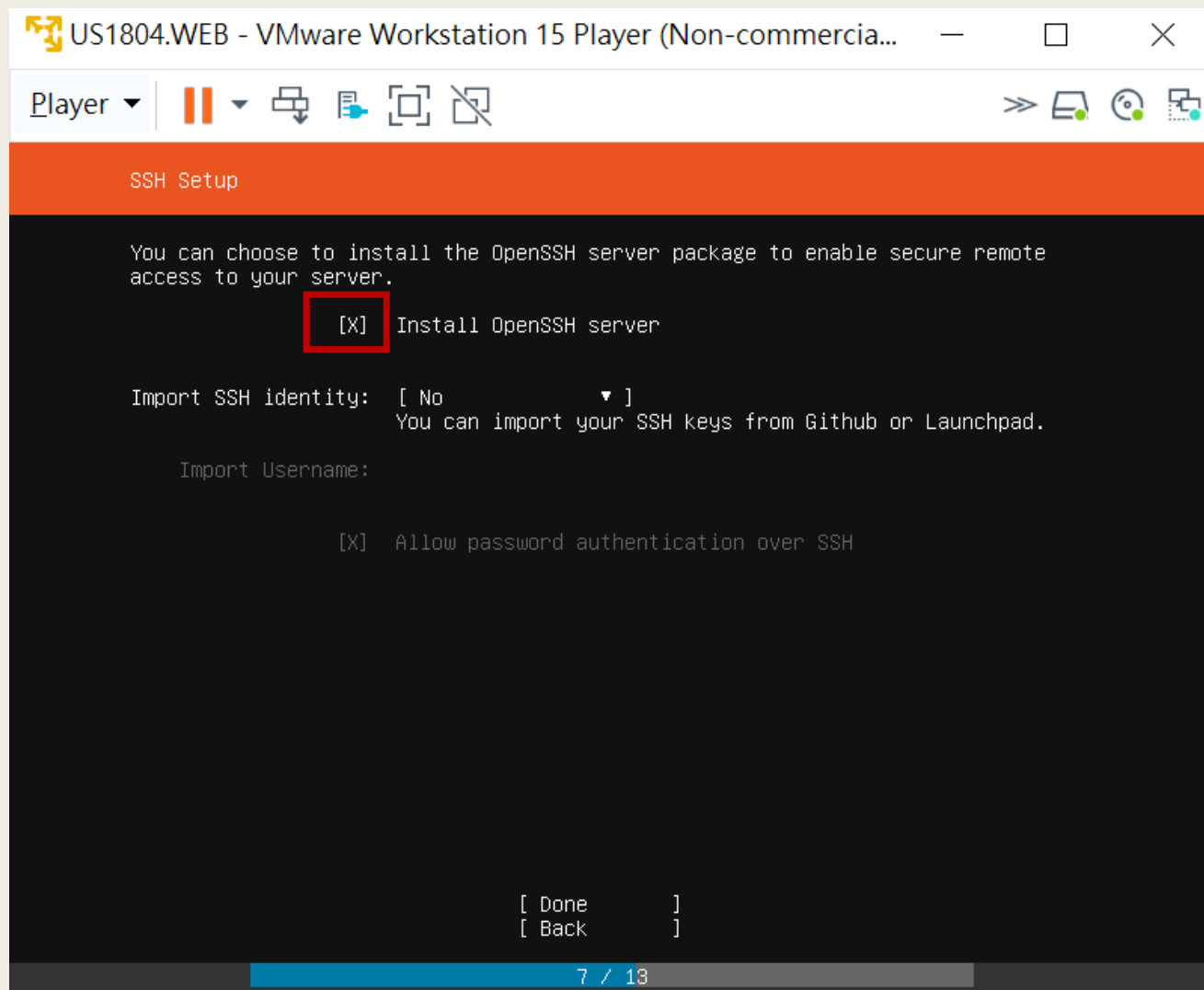
Choose a password:

Confirm your password:

Username是帳號名稱

並且Username只能輸入0到9跟小寫英文字母

# 是否安裝OpenSSH



如果需要遠端連線就需要在此設定，這邊的打叉代表確認安裝喔！

# 安裝Linux 套件

```
Featured Server Snaps

These are popular snaps in server environments. Select or deselect with SPACE,
press ENTER to see more details of the package, publisher and versions
available.

( ) microk8s      Kubernetes for workstations and appliances
( ) nextcloud     Nextcloud Server - A safe home for all your data
( ) wekan         Open-Source kanban
( ) kata-containers Lightweight virtual machines that seamlessly plug in
( ) docker        Docker container runtime
( ) canonical-livepatch Canonical Livepatch Client
( ) rocketchat-server Group chat server for 100s, installed in seconds.
( ) mosquitto     Eclipse Mosquitto MQTT broker
( ) etcd          Resilient key-value store by CoreOS
( ) powershell    PowerShell for every system!
( ) stress-ng     A tool to load, stress test and benchmark a computer
( ) sabnzbd       SABnzbd
( ) wormhole      get things from one computer to another, safely
( ) aws-cli       Universal Command Line Interface for Amazon Web Serv
( ) google-cloud-sdk Command-line interface for Google Cloud Platform pro
( ) slcli         Python based SoftLayer API Tool.
( ) doctl         DigitalOcean command line tool
( ) conjure-up     Package runtime for conjure-up spells
( ) minidlna-escoand server software with the aim of being fully complian
( ) postgresql10  PostgreSQL is a powerful, open source object-relatio
( ) heroku        CLI client for Heroku
( ) keepalived    High availability VRRP/BFD and load-balancing for Li

[ Done      ]
[ Back      ]
```

此為snap安裝，它徹底解決Linux依賴性的問題，也更擁有更佳穩定和安全特性。

依照每個人的個人需求安裝。

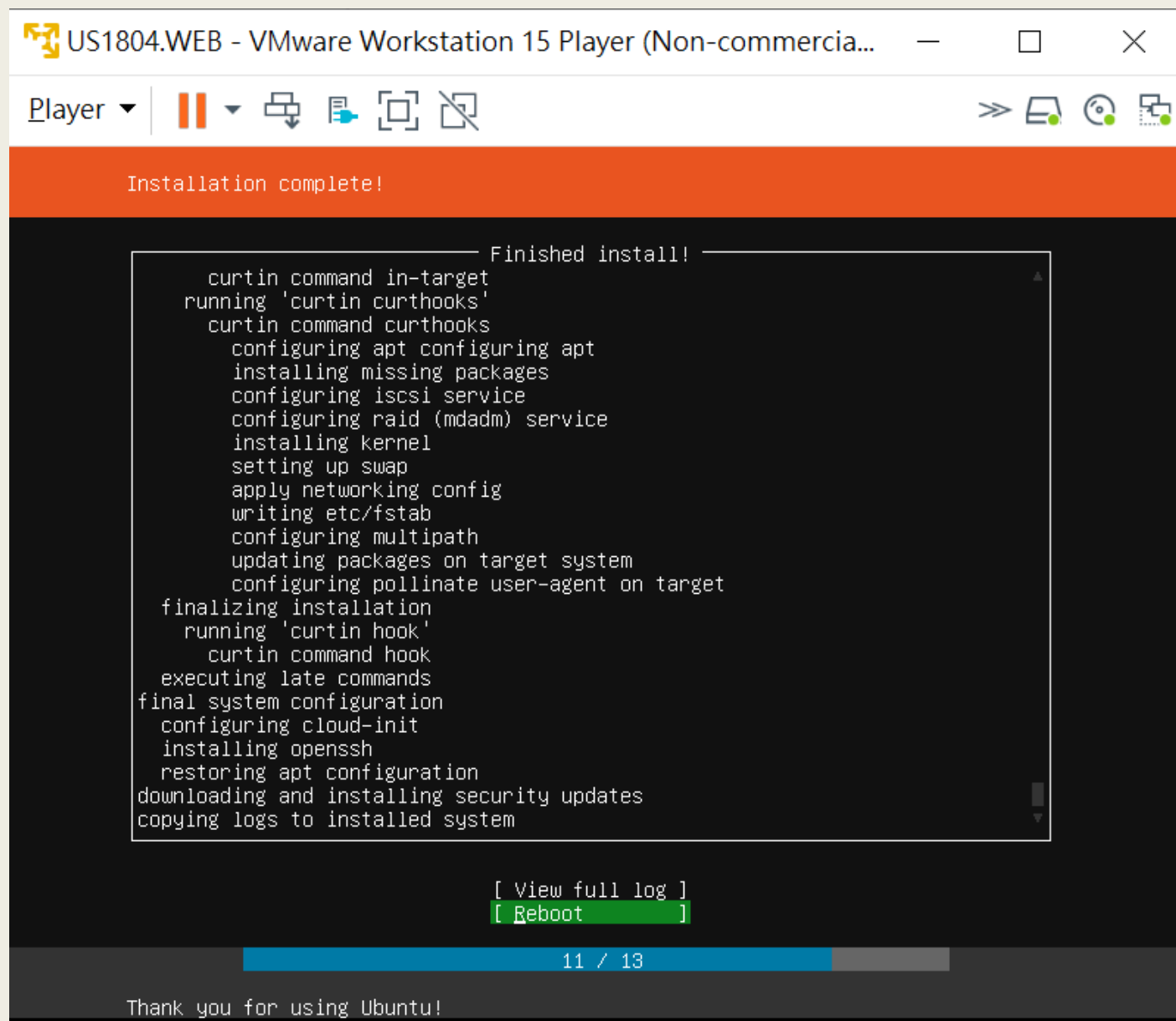
# 等待安裝OpenSSH

Installing system

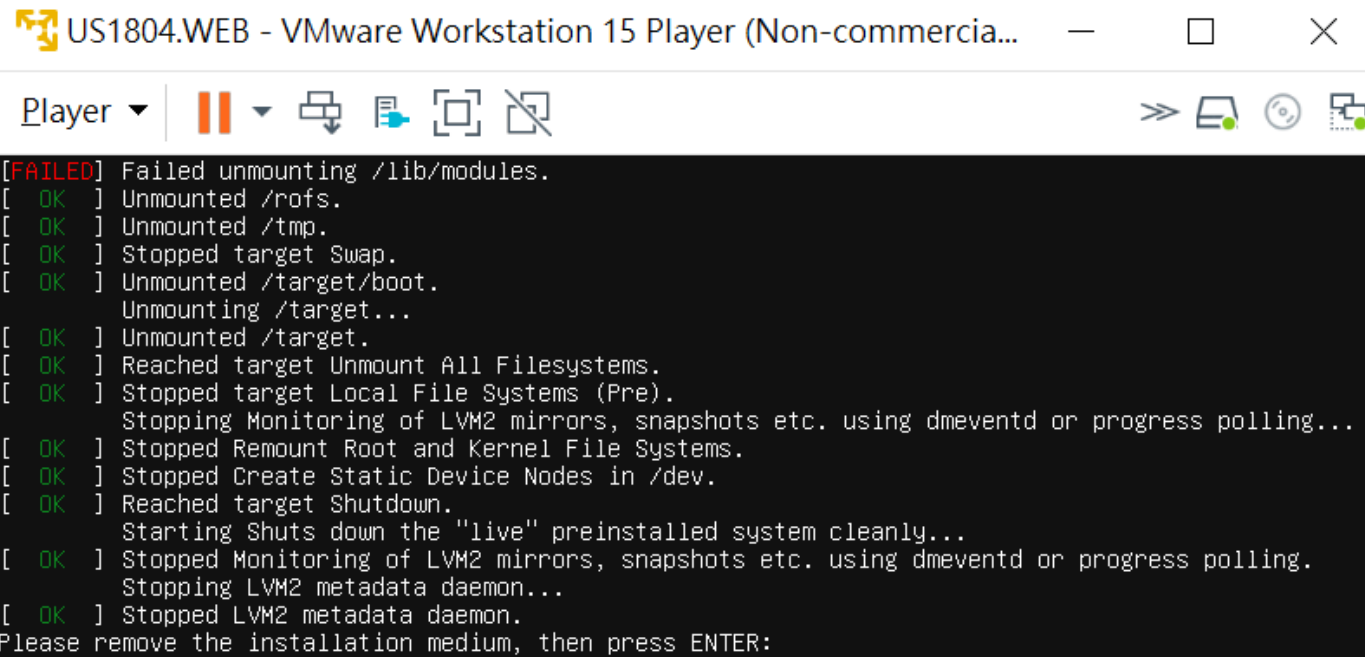
```
curtin command install
preparing for installation
configuring storage
  running 'curtin block-meta simple'
  curtin command block-meta
    removing previous storage devices
    configuring disk: disk-sda
    configuring partition: partition-2
    configuring format: format-1
    configuring mount: mount-1
configuring network
  running 'curtin net-meta auto'
  curtin command net-meta
writing install sources to disk
  running 'curtin extract'
  curtin command extract
    acquiring and extracting image from cp:///media/filesystem
configuring installed system
  running '/snap/bin/subiquity.subiquity-configure-run'
  running '/snap/bin/subiquity.subiquity-configure-apt /snap/subiquity/1093/usr/bin/python3 true'
  curtin command apt-config
  curtin command in-target
running 'curtin curthooks'
  curtin command curthooks
    configuring apt configuring apt
    installing missing packages
    configuring iscsi service
    configuring raid (mdadm) service
    installing kernel /
```

[ View full log ]

# 安裝完成，點選reboot



# 等待開機

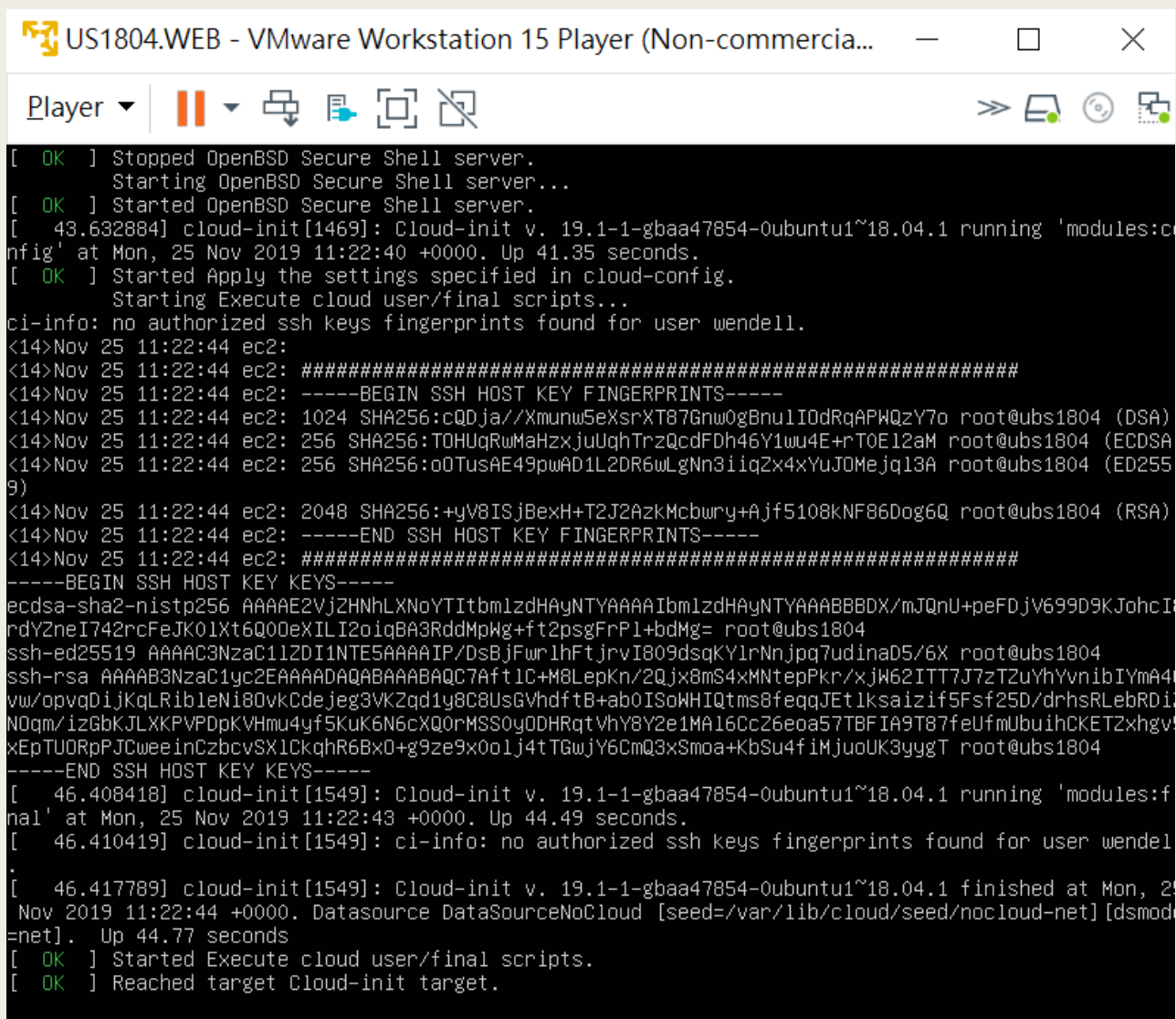


The screenshot shows a VMware Workstation 15 Player window titled "US1804.WEB - VMware Workstation 15 Player (Non-commercial...)". The window contains a terminal window with a Linux installation log. The log shows the system is in the process of shutting down and preparing for a clean preinstalled system. The log entries are as follows:

```
[FAILED] Failed unmounting /lib/modules.  
[ OK ] Unmounted /rofs.  
[ OK ] Unmounted /tmp.  
[ OK ] Stopped target Swap.  
[ OK ] Unmounted /target/boot.  
        Unmounting /target...  
[ OK ] Unmounted /target.  
[ OK ] Reached target Unmount All Filesystems.  
[ OK ] Stopped target Local File Systems (Pre).  
        Stopping Monitoring of LVM2 mirrors, snapshots etc. using dmeventd or progress polling...  
[ OK ] Stopped Remount Root and Kernel File Systems.  
[ OK ] Stopped Create Static Device Nodes in /dev.  
[ OK ] Reached target Shutdown.  
        Starting Shuts down the "live" preinstalled system cleanly...  
[ OK ] Stopped Monitoring of LVM2 mirrors, snapshots etc. using dmeventd or progress polling.  
        Stopping LVM2 metadata daemon...  
[ OK ] Stopped LVM2 metadata daemon.  
Please remove the installation medium, then press ENTER:
```



# 按Enter



US1804.WEB - VMware Workstation 15 Player (Non-commercial...)

Player ▾ | [Pause] [Full Screen] [Snapshot] [Undo] [Redo] [Close] [Help]

```
[ OK ] Stopped OpenBSD Secure Shell server.
Starting OpenBSD Secure Shell server...
[ OK ] Started OpenBSD Secure Shell server.
[ 43.632884] cloud-init[1469]: Cloud-init v. 19.1-1-gbaa47854-0ubuntu1~18.04.1 running 'modules:config' at Mon, 25 Nov 2019 11:22:40 +0000. Up 41.35 seconds.
[ OK ] Started Apply the settings specified in cloud-config.
Starting Execute cloud user/final scripts...
ci-info: no authorized ssh keys fingerprints found for user wendell.
<14>Nov 25 11:22:44 ec2:
<14>Nov 25 11:22:44 ec2: #####
<14>Nov 25 11:22:44 ec2: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Nov 25 11:22:44 ec2: 1024 SHA256:cQDja//Xmunw5eXsrXT87Gnw0gBnu1I0dRqAPWQzY7o root@ubs1804 (DSA)
<14>Nov 25 11:22:44 ec2: 256 SHA256:TOHUqRwMaHzxjuUqhTrzQcdFDh46Y1wu4E+rT0E12aM root@ubs1804 (ECDSA)
<14>Nov 25 11:22:44 ec2: 256 SHA256:o0TusAE49pwAD1L2DR6wLgNn3i1q2x4xYUJ0Mejq13A root@ubs1804 (ED25519)
<14>Nov 25 11:22:44 ec2: 2048 SHA256:+yV8ISjBexH+T2J2AzkMcbwry+Ajf5108kNF86Dog6Q root@ubs1804 (RSA)
<14>Nov 25 11:22:44 ec2: -----END SSH HOST KEY FINGERPRINTS-----
<14>Nov 25 11:22:44 ec2: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBDX/mJQnU+peFDjV699D9KJohcIrdY2neI742rcFeJK01Xt6Q0DeXILI2oiqBA3RddMpWg+ft2psgFrPl+bdMg= root@ubs1804
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIP/DsBjFur1hFtjrvI809dsqKY1rNnjpq7udinaD5/6X root@ubs1804
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCA7AftlC+M8LepKn/2Qjx8mS4xMNtepPKr/xjW62ITT7J7zTZuYhYvniBIYmA4vw/opvqDijKqLRib1eNi8DvkCdeJeg3VK2qd1y8C8UsGVhdfTB+ab0ISoWHIQtms8feqqJEt1ksaizif5Fsf25D/drhsRLebRDiiNOqm/izGbKJLXKPVPdpKVHmu4yf5KuK6N6cXQ0rMSS0yQDHRqtVhY8Y2e1MA16Cc26eoa57TBFIA9T87feUfmUbuihCKETZxhgvxEpTU0RpPJCweeinCzbcvSX1CkqhR6Bx0+g9ze9x0o1j4tTGWjY6CmQ3xSmoa+KbSu4fiMjuoUK3yygT root@ubs1804
-----END SSH HOST KEY KEYS-----
[ 46.408418] cloud-init[1549]: Cloud-init v. 19.1-1-gbaa47854-0ubuntu1~18.04.1 running 'modules:final' at Mon, 25 Nov 2019 11:22:43 +0000. Up 44.49 seconds.
[ 46.410419] cloud-init[1549]: ci-info: no authorized ssh keys fingerprints found for user wendell.
[ 46.417789] cloud-init[1549]: Cloud-init v. 19.1-1-gbaa47854-0ubuntu1~18.04.1 finished at Mon, 25 Nov 2019 11:22:44 +0000. Datasource DataSourceNoCloud [seed=/var/lib/cloud/seed/nocloud-net][dsmod=net]. Up 44.77 seconds
[ OK ] Started Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.
```

# 即可登入

```
US1804.WEB - VMware Workstation 15 Player (Non-commercial...
Player ▾ | [Icons] [Icons] [Icons] [Icons] [Icons] [Icons]
nfig' at Mon, 25 Nov 2019 11:22:40 +0000. Up 41.35 seconds.
[ OK ] Started Apply the settings specified in cloud-config.
Starting Execute cloud user/final scripts...
ci-info: no authorized ssh keys fingerprints found for user wendell.
<14>Nov 25 11:22:44 ec2:
<14>Nov 25 11:22:44 ec2: #####
<14>Nov 25 11:22:44 ec2: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Nov 25 11:22:44 ec2: 1024 SHA256:cQDja//Xmunw5eXsrXT87Gnw0gBnu1IOdRqAPWQzY7o root@ubs1804 (DSA)
<14>Nov 25 11:22:44 ec2: 256 SHA256:TOHUqRwMaHzxjuUqhTrzQcdFDh46Y1wu4E+rT0E12aM root@ubs1804 (ECDSA)
<14>Nov 25 11:22:44 ec2: 256 SHA256:o0TusAE49pwAD1L2DR6wLgNn3iiq2x4xYuJ0Mejq13A root@ubs1804 (ED25519)
<14>Nov 25 11:22:44 ec2: 2048 SHA256:+yV8ISjBexH+T2J2AzkMcBwry+Ajf5108KNF86Dog6Q root@ubs1804 (RSA)
<14>Nov 25 11:22:44 ec2: -----END SSH HOST KEY FINGERPRINTS-----
<14>Nov 25 11:22:44 ec2: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBDX/mJQnU+peFDjV699D9KJohcI8
rdY2neI742rcFeJK01Xt6Q00eXILi2oiqBA3RddMpWg+ft2psgFrP1+bdMg= root@ubs1804
ssh-ed25519 AAAAC3NzaC1l2DI1NTE5AAAAIP/DsBjFwr1hFtjrvi809dsqKY1rNnjpq7udinaD5/6X root@ubs1804
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQAC7Aft1C+M8LepKn/2Qjx8mS4xMNtepPkr/xjW62ITT7J7zT2uYhYvniIbIYmA40
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NOqm/izGbKJLXKPVPdpKVHmu4yf5Kuk6N6cXQ0rMSS0yODHRqtVhY8Y2e1MA16Cc26eoa57TBFIA9T87feUfmUbuihCKET2xhgv9
xEpTUORpPJcweeinCzbcvSX1CkqhR6Bx0+g9ze9x0o1j4tTGwjY6CmQ3xSmoa+KbSu4fiMjuoUK3yggT root@ubs1804
-----END SSH HOST KEY KEYS-----
[ 46.408418] cloud-init[1549]: Cloud-init v. 19.1-1-gbaa47854-0ubuntu1~18.04.1 running 'modules:fi
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[ 46.417789] cloud-init[1549]: Cloud-init v. 19.1-1-gbaa47854-0ubuntu1~18.04.1 finished at Mon, 25
Nov 2019 11:22:44 +0000. Datasource DataSourceNoCloud [seed=/var/lib/cloud/seed/nocloud-net] [dsmode
=net]. Up 44.77 seconds
[ OK ] Started Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.

Ubuntu 18.04.3 LTS ubs1804 tty1
ubs1804 login: _
```