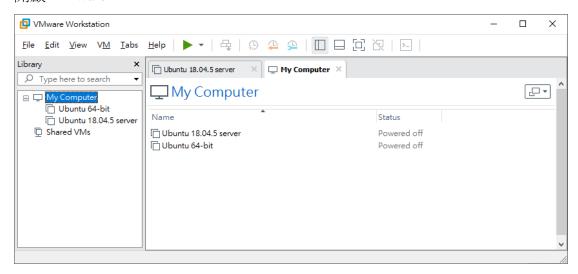
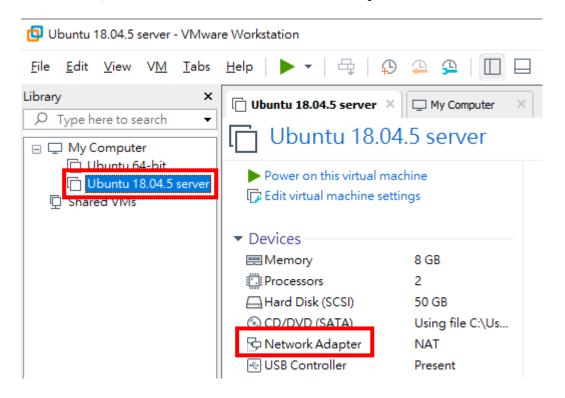
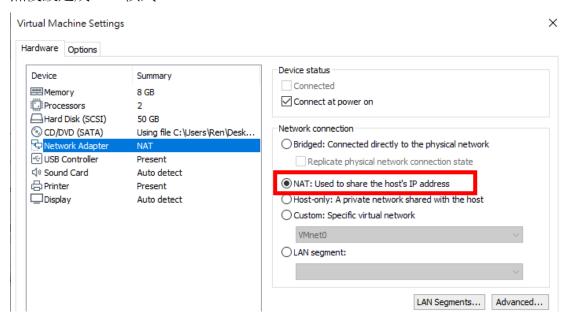
開啟 VMware



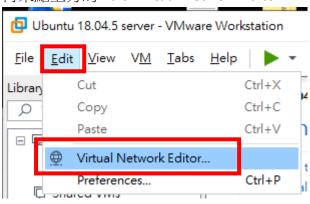
然後點選要使用的作業系統,再點選 Network Adapter



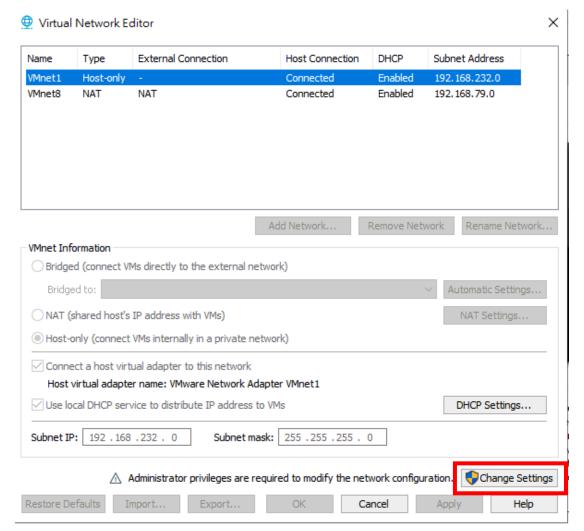
然後設定成 NAT 模式



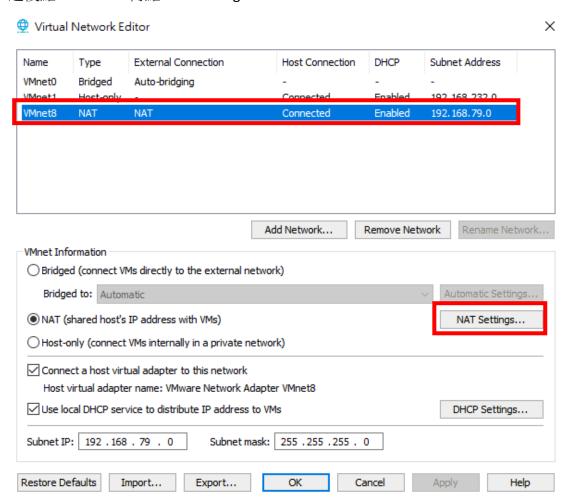
再來點上方的 Edit>Virtual Network Editor...



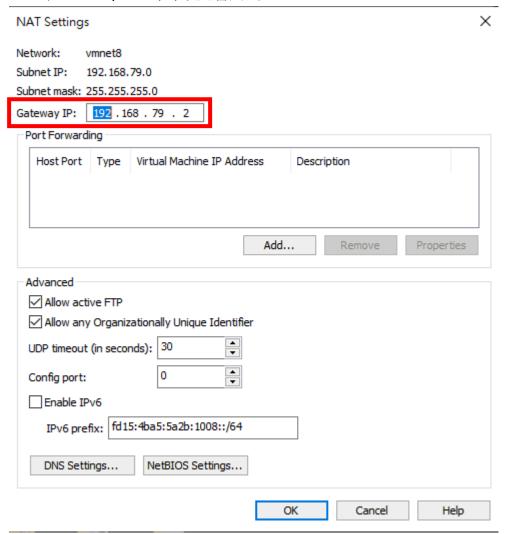
因為下面的設定都鎖住了,所以得點下面的 Change Settings 才能修改,如果能直接改就不用點 Change Settings 了

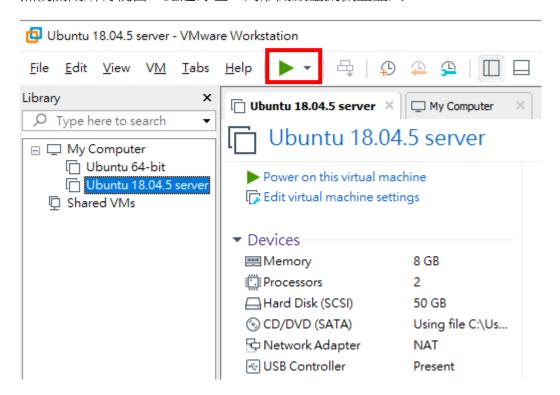


之後點 VMnet8,再點 NAT Settings



記一下 Gateway IP,等等設定會用到





登入系統後先用下面指令找出網路卡的名稱,最左邊那排是網卡名稱,像這台的叫做 ens33,不同電腦期網卡數量也不同,所以如果你的電腦有很多網卡名稱是正常的

sudo ifconfig

PS. 不用 sudo ifconfig -a 是為了避免把關掉的網路卡也列出來

```
ren@server:/etc/netplan$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet6 fe80::20c:29ff:fe5c:a87e prefixlen 64 scopeid 0x20<link>
        ether 00:0c:29:5c:a8:7e txqueuelen 1000 (Ethernet)
        RX packets 28 bytes 4220 (4.2 KB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 48 bytes 4904 (4.9 KB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
        device interrupt 19 base 0x2000
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
        inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10<host>
        loop txqueuelen 1000 (Local Loopback)
        RX packets 542 bytes 39322 (39.3 KB)
        RX errors O dropped O overruns O frame O
TX packets 542 bytes 39322 (39.3 KB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

然後用下面指令確認 ubuntu 有沒有安裝 ssh,通常系統預設會安裝 opensshclient

dpkg -l | grep ssh

```
ii openssh-client 1:7.6p1-4ubuntu0.3 amd64
secure shell (SSH) client for secure access to remote machines
1:55H 1:7.6p1-4ubuntu0.3 all
secure shell client and server (metapackage)
ii ssh-import-id 5.7-0ubuntu1.1 all
securely retrieve an SSH public key and install it locally
```

如果沒有的話就用下面指令安裝 sudo apt-get install openssh-client

如果是要讓其他電腦來連你的 ubuntu 就要用下面指令安裝 sever sudo apt-get install openssh-server

再用 dpkg -I | grep ssh,就會有 openssh-server 了

```
en@server:~$ dpkg –l | grep ssh
                                             1:7.6p1-4ubuntu0.3
                                                                                                 amd64
                                            access to remote machines
                                             1:7.6p1-4ubuntu0.3
                                                                                                 amd64
                                           access from remote machines
1:7.6p1–4ubuntu0.3
  secure shell (SSH) server
                                for secure
                                                                                                 amd64
   secure shell (SSH) sftp server module,
                                                 SFTP access from remote machines
                                             1:7.6p1-4ubuntu0.3
   secure shell client and server
                                    (metapackage)
      −import−id
                                             5.7-0ubuntu1.1
   securely retrieve an SSH public key and install it locally
```

然後用下面指令找出設定檔名稱,每台電腦設定檔名稱可能不同,所以如果你 的跟下面不同別嚇到

Is -al /etc/netplan

```
ren@server:/etc/netplan$ ls –al /etc/netplan/
total 12
drwxr–xr–x 2 root root 4096 Oct 19 14:16 .
drwxr–xr–x 100 root root 4096 Oct 16 09:45 ..
–rw–r–-r– 1 root root 301 Oct 19 14:16 O0–installer–config.yaml
```

一般設定檔路徑在 etc/netplan 裡面,可以用以下指令直接開啟設定檔編輯 sudo vi /etc/netplan/00-installer-config.yaml

若怕改壞可先用下面指令將設定檔備份一份,或是原設定檔內容每行前面加**#**註 解

sudo 00-installer-config.yaml 1.yanl

然後用下面指令開啟設定檔 sudo vi 00-installer-config.yaml

開啟後按 i 才能對內容進行修改,如果前面有先備份,就直接改成下圖的樣子吧,addreddes 可以自訂,但 gateway 要跟前面虛擬機的設定相同

```
network:
ethernets:
ens33:
addresses: [192.168.79.101/24]
gateway4: 192.168.79.2
nameservers:
addresses: [8.8.8.8]
version: 2
```

修改完按 esc 然後輸入:wq 並按 enter 就會存檔並退出

```
network:
       ethernets:
               ens33:
                       addresses: [192.168.79.101/24]
                       gateway4: 192.168.79.2
                       nameservers:
                               addresses: [8.8.8.8]
       version: 2
:wq
```

之後再用下面指令把檔案刪掉,刪之前會先跟你確認,輸入 y 就會刪了 Sudo rm 1.txt

У

然後輸入下面指令來套用設定,通常會斷線個幾秒,然後會出現一個倒數計時,表示設定正確。這時候再按 Enter 就會儲存設定

sudo netplan try

```
ren@server:/etc/netplan$ sudo netplan try
Warning: Stopping systemd-networkd.service, but it can still be activated by:
    systemd-networkd.socket
Do you want to keep these settings?

Press ENTER before the timeout to accept the new configuration

Changes will revert in 116 seconds
```

最後用以下指令 ping 一下外部網路,如果出現下面的畫面,就表示沒問題了,按 ctrl+x 就能停止

Ping 8.8.8.8

```
ren@server:/etc/netplan$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=128 time=17.1 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=128 time=14.3 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=128 time=14.9 ms
```