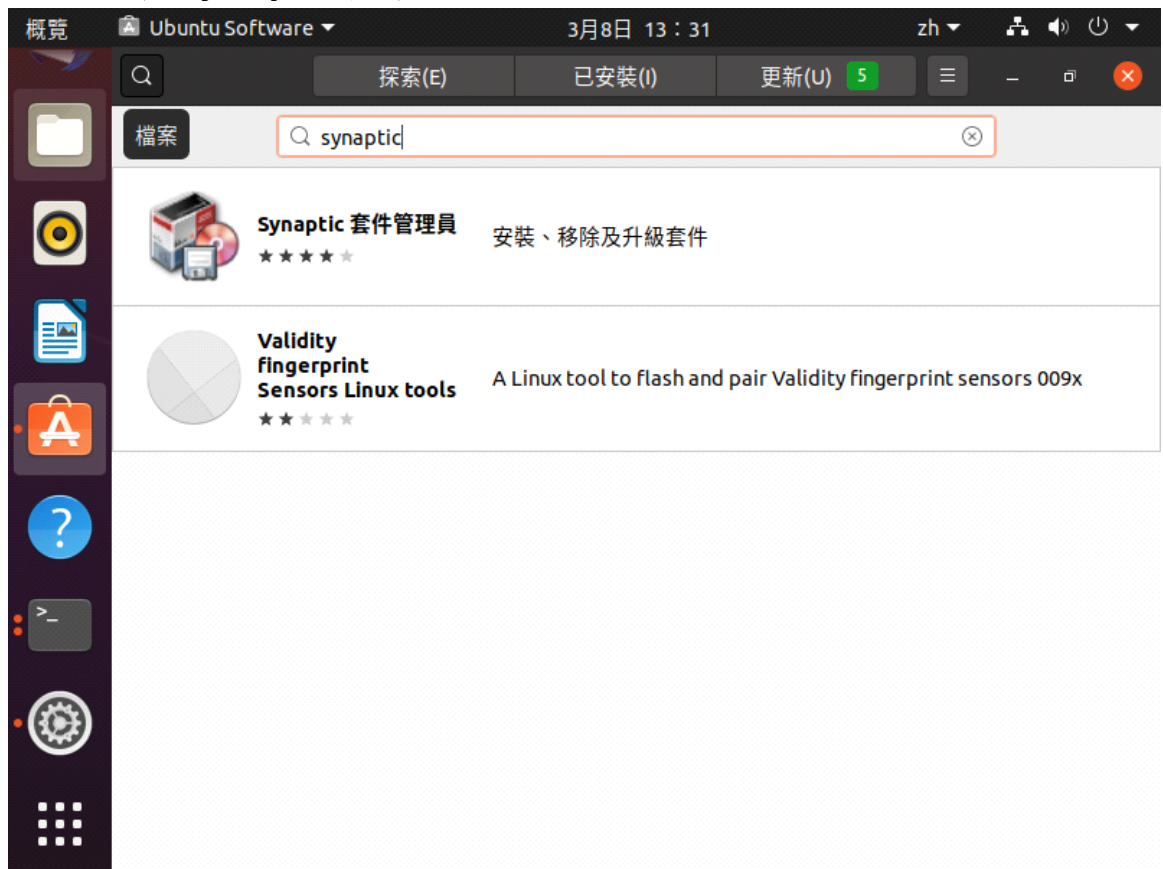


04. 安裝ssh server

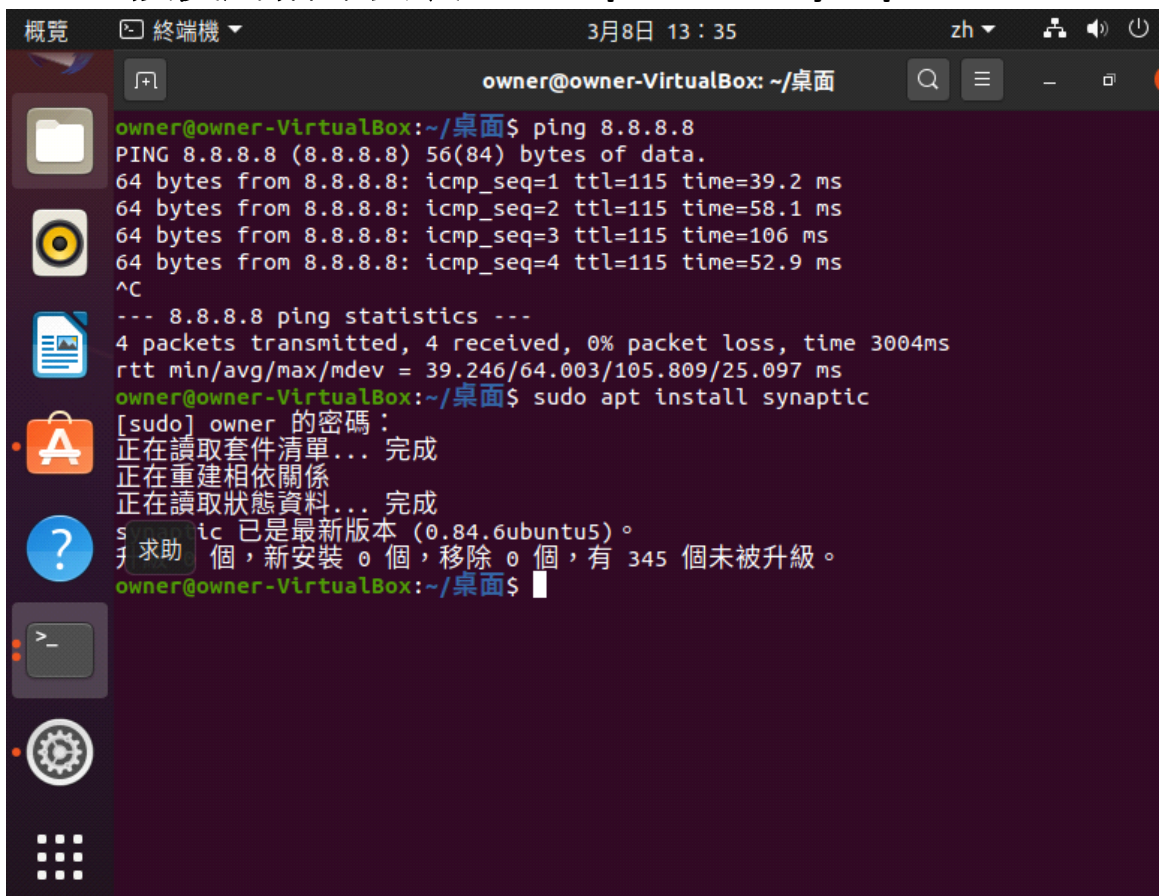
1. 安裝synaptic套件管理員



2. 有時會因為ubuntu版本關係導致無法支援



3. 直接使用指令安裝 `sudo apt install synaptic`



4. 利用synaptic尋找 openssh-server並安裝

The screenshot shows the Synaptic Package Manager interface. The top bar indicates the system is running Ubuntu 20.04 LTS. The main window displays a list of installed packages. The package 'openssh-server' is highlighted, and a context menu is open over it, showing options like '沒有標記', '標記為安裝', '標記為重新安裝', '標記為升級', '標記為移除', '標記為徹底移除', '屬性', '標記安裝推薦套件', and '標記安裝建議套件'. The package details for 'openssh-server' are visible on the right, including its version '1:8.2p1-4ubuntu0.1' and a description of the Secure Shell (SSH) program.

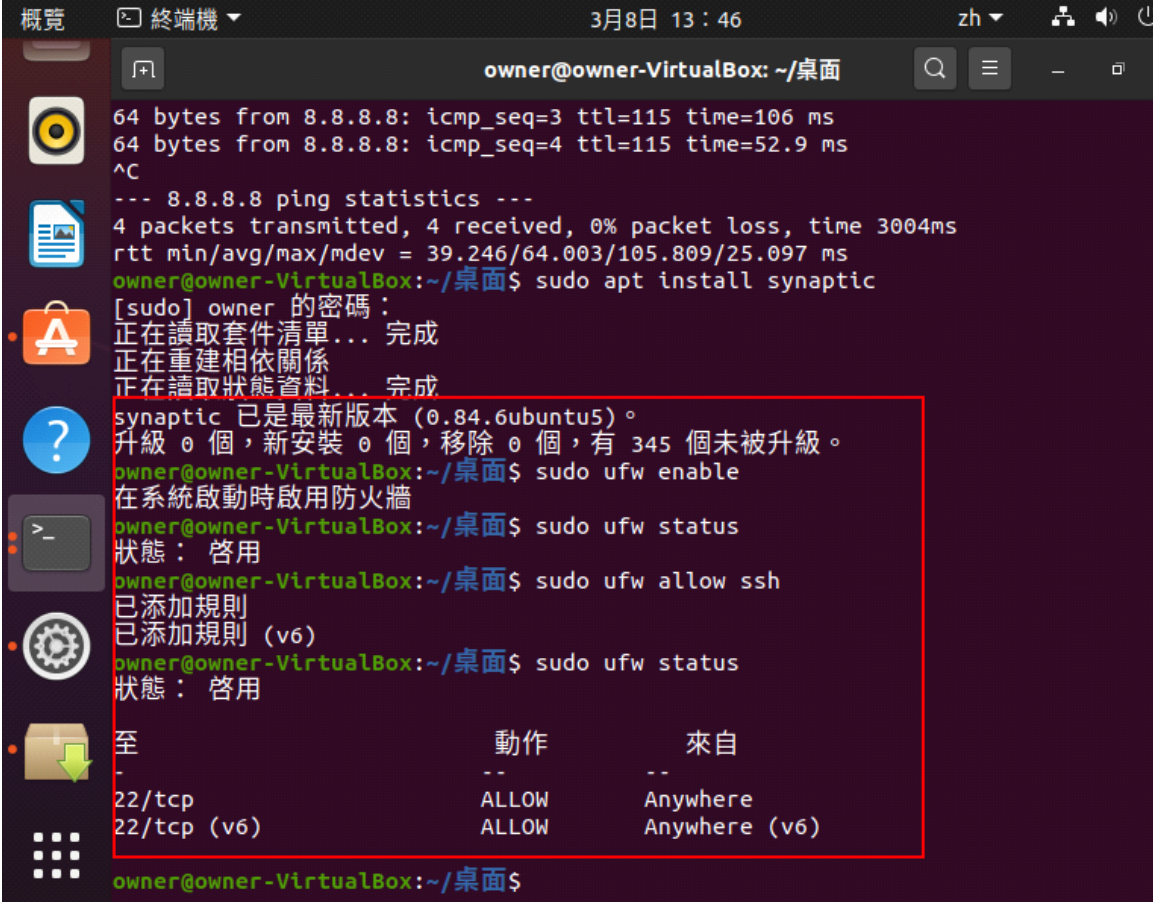
列出了 1 個套件，1615 個已安裝，0 個安裝不完整。0 個將會安裝/升級，0 個將會移除

5. 利用synaptic尋找gufw並安裝

The screenshot shows the Synaptic Package Manager interface. The top bar indicates the system is running Ubuntu 20.04 LTS. The main window displays a list of installed packages. The package 'gufw' is highlighted, and a context menu is open over it, showing options like '沒有標記', '標記為安裝', '標記為重新安裝', '標記為升級', '標記為移除', '標記為徹底移除', '屬性', '標記安裝推薦套件', and '標記安裝建議套件'. The package details for 'gufw' are visible on the right, including its version '20.04.1-1ubuntu1' and a description of the graphical user interface for ufw.

列出了 2 個套件，1615 個已安裝，0 個安裝不完整。4 個將會安裝/升級，0 個將會移除；會使用 6010 kB 的空

6. 啟用防火牆並允許ssh(22 port)



The screenshot shows a terminal window titled "owner@owner-VirtualBox: ~/桌面". The user has performed several commands: pinged 8.8.8.8, installed Synaptic, enabled UFW, and allowed SSH. A red box highlights the output of the UFW commands.

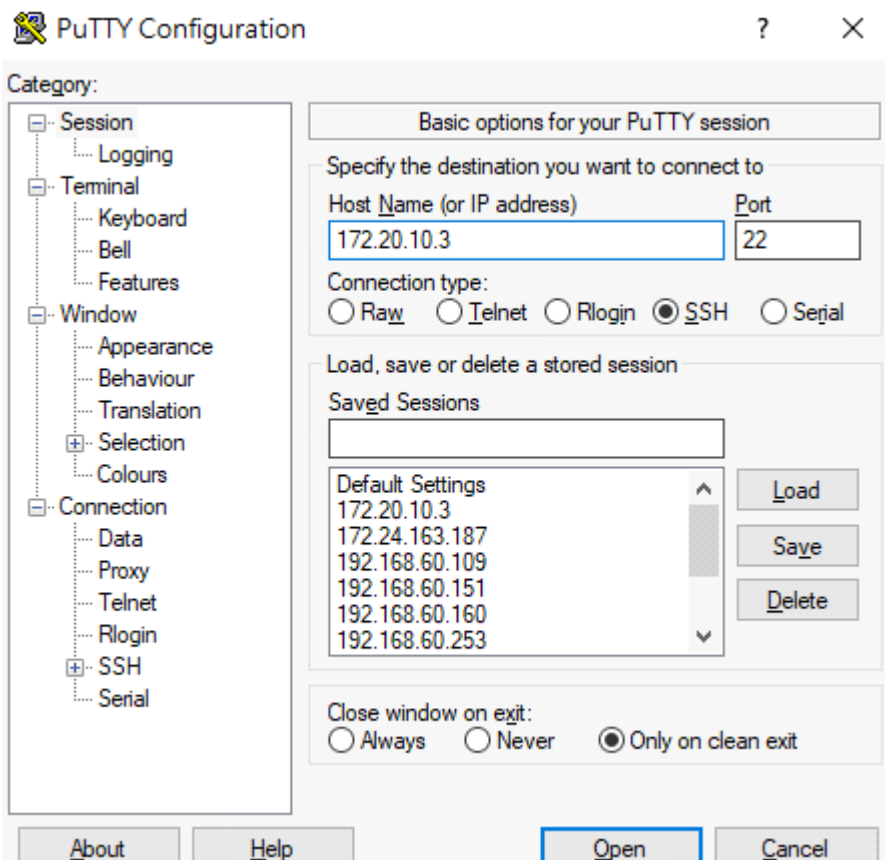
```
owner@owner-VirtualBox: ~/桌面
64 bytes from 8.8.8.8: icmp_seq=3 ttl=115 time=106 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=115 time=52.9 ms
^C
--- 8.8.8.8 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3004ms
rtt min/avg/max/mdev = 39.246/64.003/105.809/25.097 ms
owner@owner-VirtualBox:~/桌面$ sudo apt install synaptic
[sudo] owner 的密碼：
正在讀取套件清單... 完成
正在重建相依關係
正在讀取狀態資料... 完成
synaptic 已是最新版本 (0.84.6ubuntu5)。
升級 0 個，新安裝 0 個，移除 0 個，有 345 個未被升級。
owner@owner-VirtualBox:~/桌面$ sudo ufw enable
在系統啟動時啟用防火牆
owner@owner-VirtualBox:~/桌面$ sudo ufw status
狀態： 啟用
owner@owner-VirtualBox:~/桌面$ sudo ufw allow ssh
已添加規則
已添加規則 (v6)
owner@owner-VirtualBox:~/桌面$ sudo ufw status
狀態： 啟用
```

至	動作	來自
22/tcp	ALLOW	Anywhere
22/tcp (v6)	ALLOW	Anywhere (v6)

```
owner@owner-VirtualBox:~/桌面$
```

7. 使用putty連線登入

<https://www.putty.org/>



owner@owner-VirtualBox: ~

```
login as: owner
owner@172.20.10.3's password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.8.0-44-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

現在可以安裝 346 項更新。
其中有 145 項更新為安全性更新。
要檢查這些額外的更新，請執行 apt list --upgradable

Your Hardware Enablement Stack (HWE) is supported until April 2025.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

owner@owner-VirtualBox:~$
```