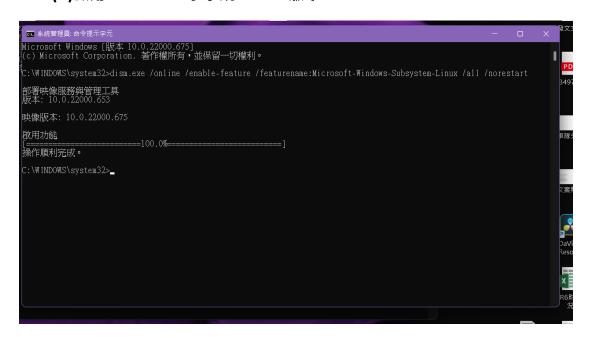
資訊安全導論-期末作業 資財二乙 109ab0749 羅珮琪

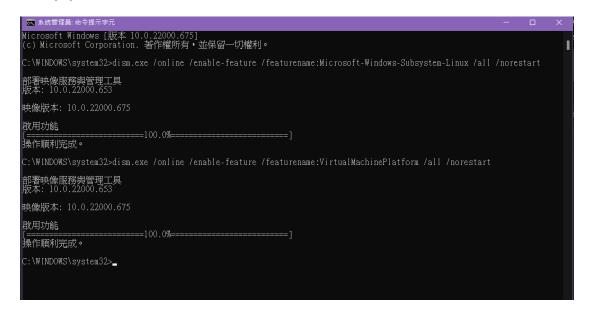
WSL

1.安裝 WSL

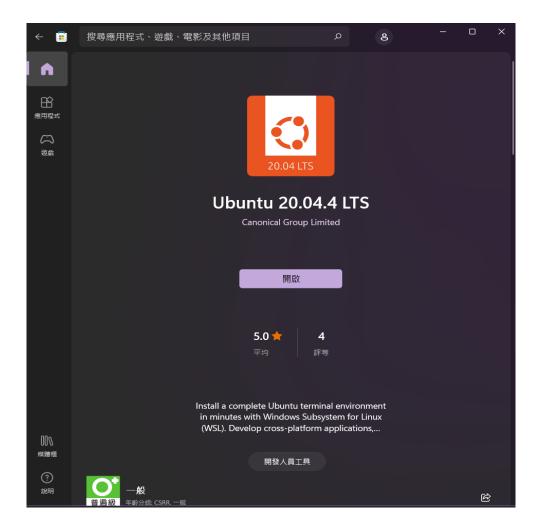
(1)啟用 Windows 子系統 Linux 版本



(2)啟用虛擬機器



(3)安裝 Linux Ubuntu 作業系統



這邊會發現檔案跳出錯誤而無法安裝,因此跑出 0x8007019e 的

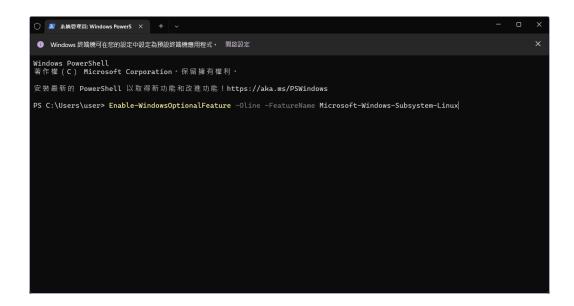
error 錯誤碼

```
Installing, this may take a few minutes...

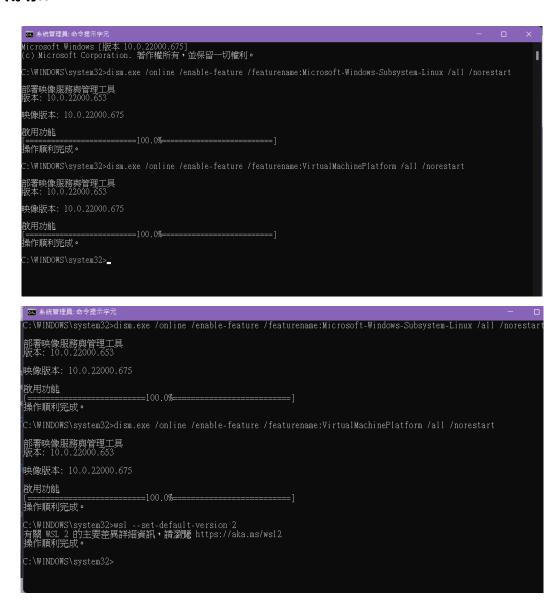
WslRegisterDistribution failed with error: 0x8007019e
The Windows Subsystem for Linux optional component is not enabled. Please enable it and try again.

See https://aka.ms/wslinstall for details.

Press any key to continue...
```



成功!!



2.Ubuntu 學習

Ubuntu 是一套 Linux 核心的作業系統,因為功能齊全與使用者

介面完善,是目前最多人使用的 Linux 作業系統。

(1)創建帳號、設置密碼

(2)指令使用

cd=切換當前所在位置

mkdir=創建資料夾

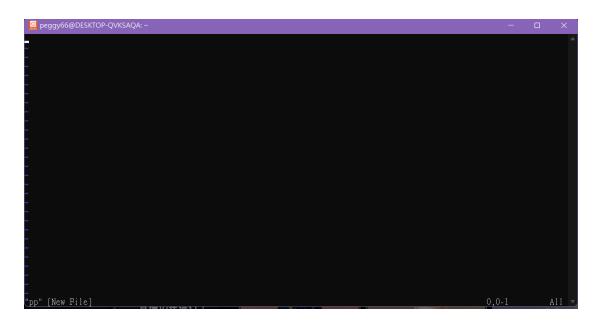
- ・=目前位置
- ・・=目前位置的上一個資料夾目錄

touch=建立新檔案

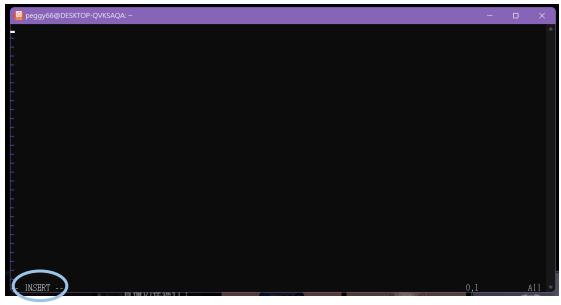
vim=開啟編輯器

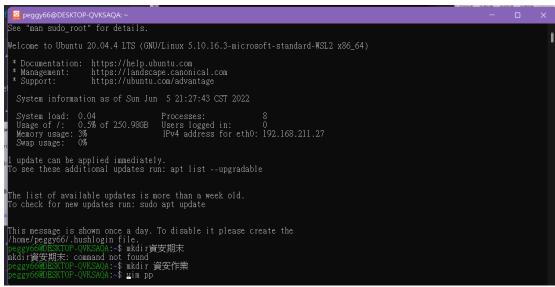
3.VIM 編輯器

指令:vim(檔名).副檔名



按 | 可以進入輸入模式





#!=通往直譯器路徑,而直譯器 bash 預設放在/bin 目錄 read=input,\$Hello=抓取變數 Hello,echo=印出結果 按下 esc 鍵,並在左下角輸入:eq,表示儲存並退出

```
cead p scho "i am $p"
```

利用 cat 檔案名稱.副檔名,查看檔案內容

利用 bash 檔案名稱.副檔名,來執行檔案

WSL 的 GUI 介面

(1)安裝 VcXsrv

(2)透過 WSL 建設環境並新增一個 Bash Script

```
Memory usage: 3% IPv4 address for eth0: 192.168.211.27
Swap usage: 0% IPv4 address for eth0: 192.168.211.27
I update can be applied immediately.
To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

This message is shown once a day. To disable it please create the
//home/peggy66/.hushlogin file.
peggy668DSXTOP-OVKSAOA:-$ mkdir 資安期末
mkdir 資安期末: command not found
peggy668DSXTOP-OVKSAOA:-$ vim pp
peggy668DSXTOP-OVKSAOA:-$ vim pp
peggy668DSXTOP-OVKSAOA:-$ vim pp.sh
cat: pp.sh: No such file or directory
peggy668DSXTOP-OVKSAOA:-$ cat pp.sh
peggy668DSXTOP-OVKSAOA:-$ cat pp.sh
peggy668DSXTOP-OVKSAOA:-$ cat pp.sh
peggy668DSXTOP-OVKSAOA:-$ bash pp.sh
eed i am e
peggy668DSXTOP-OVKSAOA:-$ mkdir temp
peggy668DSXTOP-OVKSAOA:-$ d temp
peggy668DSXTOP-OVKSAOA:-$ cat temp
```

(3)以 vim 編輯內容並用 bash 執行

```
peggy66@DESKTOP-QVKSAQA: ~/temp

#!/bin/bash
sudo service dbus restart
/mnt/c/Program\ Files/VcXsrv/vcxsrv.exe :0 -ac &
DISPLAY=0:0 XDG SBSSION TYPE=xll gnome-session
/mnt/c/Windows/System32/taskkill.exe/IM vcxsrv.exe/T /F_

S-- INSERT --
S
```

```
This message is shown once a day. To disable it please create the //home/peggy66/.hushlogin file.
peggy66/.bushlogin fil
```

更新 apt-get

```
(III) GUX: Loaded and initialized EMISMANT GL provider for screen 0

| Control of the Control of
```

安裝 gedit

```
Peggy66@DESKTOP_OWNAGA-/temp

regryf6@DESKTOP_OWNAGA-/temp and sudo apt-get install gedit -y

Reading package lists... Done

Building dependency tree

Reading package lists... Done

Building dependency tree

Reading package lists... Done

The following additional packages will be installed:

ascl adward actor. Hence age synthesion aptdeamon-data aspell aspell-en at-gri2-core awahi-daenon

ascl adward actor. Hence age synthesion aptdeamon-data aspell aspell-en at-gri2-core awahi-daenon

ascl adward actor. Hence age age dealer and actor. Actor.
```

```
Cetting up libedate book-1.2.26:and64 (3.36.5.0ubuntul)...
Setting up libedate book-1.2.20:and64 (3.36.5.0ubuntul)...
Setting up libebook-1.2.20:and64 (3.36.5.0ubuntul)...
Setting up pone-control-center (1:3.36.5.0ubuntul)...
Setting up gone-control-center (1:3.36.5.0ubuntul)...
Setting up gone-shell (3.36.5.0ubuntul)...
Setting up gone-shell (3.36.5.0ubuntul)...
Setting up gone-shell (3.36.9.0ubuntu)...
Setting up gone-shell (3.36.9.0ubuntu)...
Setting up gone-shell (3.36.9.0ubuntu)...
Setting up gone-shell (3.36.9.0ubuntu)...
Setting up gone-shell (3.69.0ubuntu)...
Setting up domit (3.56.0ubuntu)...
Setting up gone-shell (3.69.0ubuntu)...

**Scheduling reload of (MorM Display Manager configuration gdn3

[OK]
Setting up network-anager-gnose (1.8.24-labuntu)...

**Scheduling reload of (MorM Display Manager configuration gdn3

[OK]
Setting up network-anager-gnose (1.8.24-labuntu)...

**Setting up docook-xm (4.5-9)...

**Frocessing triggers for spal-base (1.29.1)...

**Frocessing triggers for spal-base (1.29.1)...

**Setting up docook-xm (4.5-9)...

**Processing triggers for dictionaries-common (1.28.1)...

**aspell-autobuil dhash: processing: en en-common]...

**aspell-autobuil dhash: processing: en en-variant_0]...

**aspell-autobuil dhash: processing: en en-da-variant_0]...

**aspell-autobuil dhash: proc
```

安裝 gimp

```
Penysée@DextP-QNSAM:-/t-map$ sudo apt-get install gimp -y
Reading package lists... Done

Building dependency tree

Reading state information... Done

Reading state information... Done

Reading state information... Done

Reading state information... Done

The following additional packages will be installed:

1965-wa-driver intel-media-wa-driver libace$0 liband2 liband0 libanthen-sasl-perl

1965-wa-driver intel-media-wa-driver libace$1 liband2 liband0 libanthen-sasl-perl

1965-wa-driver intel-media-wa-driver libace$1 liband2. Plandins 3 libburay$1

1968-wa-driver intel-media-wa-driver libace$2.9.9 libcoland2

1968-wa-driver intel-media-wa-driver libace$2.9.9 libcoland2

1968-wa-driver intel-media-wa-driver libace$2.9.9 libcoland2

1968-wa-driver intel-media-wa-driver libace$2.9.9 libcoland2

1968-wa-driver intel-media-perl libido2.50.0 libencola-colacie-perl libidip-labasedir-perl

1968-wa-driver intel-media-perl libido2.50.1 libencola-colacie-perl libidip-labasedir-perl

1968-wa-driver intel-media-perl libido2.0 libencolacie-perl libidip-labasedir-perl

1968-wa-driver intel-media-perl libido2.0 libidox libido
```

安裝 Nautilus

```
Processing triggers for nine-support (3.64ubuntul) ....
Processing triggers for processing triggers for processing triggers for processing triggers for grown-enemy (3.36.0-lubuntul) ....
Processing triggers for grown-enemy (3.36.0-lubuntul) ....
Processing triggers for grown-enemy (3.36.0-lubuntul) ....
Processing triggers for processing triggers for processing triggers for processing triggers for grown-enemy (3.36.0-lubuntu) ...

// **Shiri (doorfig.real: /usr/lib/ms/lib/lib/lib/doorfig.grown-enemy (3.36.0-lubuntu) ...

// **Shiri (doorfig.real: /usr/lib/ms/lib/lib/doorfig.grown-enemy (3.36.0-lubuntu) ...

// **Shiri (doorfig.real: /usr/lib/ms/lib/lib/doorfig.grown-enemy (3.36.0-lubuntu) ...

// **Shiri (doorfig.real: /usr/lib/ms/lib/lib/doorfig.grown-enemy (3.36.0-lubuntu) ...

// **Reading package lists... bene

Building dependency tree

Reading state information... bone

Re
```

```
Peggy660DESCIOP_OVKSAQA - Ammp

Stiting up libbasicussgeenvironmentl:and64 (2020.01.19-1build1)...

Setting up libbasicussgeenvironmentl:and64 (2020.01.19-1build1)...

Setting up libbicloper(2.1.1-15buburtu2)...

Setting up libbicloper(2.1.1-15buburtu2)...

Setting up libbicloper(2.1.1-15buburtu2)...

Setting up libbisdlos/2.0-and64 (0.1.5.1-1buburtu1)...

Setting up libbisdlos/2.0-and64 (0.1.5.1-1buburtu1)...

Setting up libisdlos/2.0-and64 (0.1.5.1-1buburtu1)...

Setting up libisdlos/2.0-and64 (0.1.2-1build1)...

Setting up libisdlos/2.1-and64 (0.2.1-1build1)...

Setting up libsdlos/2.1-and64 (0.2.1-1build1)...

Setting up libsdlos/2.1-and64 (0.2.1-1build1)...

Setting up libsdlos/2.1-and64 (0.4.1-1build1)...

Setting up libsdlos/2.1-and64 (0.3.0-9.2-1)...

Setting up libsdlos/2.3-and64 (0.3.0-9.2-1)...

Setting up libsdlos/2.3-and64 (0.3.0-9.2-1)...

Setting up libsdlos/2.3-and64 (0.3.0-9.2-1)...

Setting up libsdlos/2.3-and64 (0.3.0-9.2-1)...

Setting up libsdlos/3.3-and64 (0.3.0-3.2-1)...

Setting up libsdlos/3.3-and64 (0.3.0-3.2-1)...

Setting up libsdlos/3.3-and64 (0.3.0-3.2-1)...

Setting up libsdlos/3.3-and64 (0.3.0-3.2-1)...

Setting up libsdl
```

安裝 vic

```
Processing triggers for user (215, 4.ubuntu5.15) ...

Frocessing triggers for user (225, 4.ubuntu5.15) ...

Frocessing triggers for user (225, 4.ubuntu5.15) ...

Created spin lik /etc/system/lose/default.target.wants/tracker-extract.service → /usr/lib/system/duser/tracker-extract.service.

Setting up tracker-miner fs (2.3, 3.2) ...

Kreated spin lik /etc/system/lose/default.target.wants/tracker-miner-fs.service → /usr/lib/system/duser/tracker-miner-fs.service.

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Freated spin lik /etc/system/lose/default.target.wants/tracker-miner-fs.service → /usr/lib/system/duser/tracker-miner-fs.service.

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Freated spin lik /etc/system/lose/default.target.wants/tracker-miner-fs.service → /usr/lib/system/duser/tracker-miner-fs.service.

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Freated spin lik /etc/system/lose/default.target.wants/tracker-miner-fs.service → /usr/lib/system/duser/tracker-miner-fs.service.

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Freated spin lik /etc/system/lose/default.target.wants/lib/system/duser/tracker-miner-fs.service.

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Freated spin lik /etc/system/lose/default.target.mants/lib/system/duser/tracker-miner-fs.service.

Freated spin lik /etc/system/lose/default.target.mants/lib/system/duser/tracker-miner-fs.service.

Setting up nautilus (1:3, 36, 3.ubuntu1.20, 04.1) ...

Freated spin lik /etc/system/lose/default.target.mants/lib/system/duser/tracker-miner-fs.service.

Freated spin lib/system/duser/default.target.mants/lib/system/duser/tracker-miner-fs.service.

Freated spin lib/system/duser/default.target.mants/lib/system/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/duser/dus
```

安裝 x11apps

安裝 Google Chrom

```
ogle-chrome-stable current amd6 100%[===
                                                                                                                                                                                                                      ==>1 80.78M 5.83MB/s in 15s
                                  rackage ronts-floeration is not installed.

Agg: error processing package google-chrome-stable (--install):
begendency problems - leaving unconfigured
rocessing triggers for gnome-menus (3.36.0-lubuntul) ...
rocessing triggers for of skottop-file-utils (0.24-lubuntu3) ...
rocessing triggers for mine-support (3.64ubuntul) ...
rocessing triggers for man-db (2.9,1-1) ...
rors were encountered while processing:
rors were encountered while processing:
ggyc600ESKTOP-QWKSQA:-/temp/temp2$ ____
                                                       peggyob@DBSKTOP-QVKSAQA:~/temp/temp2$ sudo dpkg -i google-chrome-stable
peggy66@DBSKTOP-QVKSAQA:~/temp/temp2$ sudo dpkg -i google-chrome-stable_current_amd64.deb
(Reading database ... 68895 files and directories currently installed.)
peggy66@DBSKTOP-QVKSAQA:~/temp/temp2$ 1) ...untul) ...tu3) ...005.61-1) ...
```

參考來源

Ubuntu 是什麼?如何透過 USB 安裝 Ubuntu 作業系統?完整教學指南

https://adersaytech.com/practical-software/ubuntu-install-tutorial.html

學習心得

這次在學習使用 Ubuntu 是一套以 Linux 作業系統為基礎所開發的作業系統,他與之前比較常接觸的 Windows 作業系統有些許的不同,在這部份自己也不是很熟悉,所以很感謝網路資訊的分享及同學的幫助,納在使用的時候覺得最大的不同是在介面部分,上網查詢資料也了解到,Linux 作業系統的核心與視窗系統是分開的,所以當視窗系統當機時,只要 Linux 作業系統的核心沒當掉,可以直接進入核心界面的文字模式重新再啟動視窗系統。也表示 Linux 作業系統可以有好幾種視窗系統的可能。

另一個覺得較不相同的部分是,Linux 沒有 exe 任何的文件都可以是執行檔, 只要讓系統能了解「怎麼執行」。

雖然在學習的過程非常不順利,尋求同儕許多的協助,但也對這項系統有更多 的了解。