

## [ubuntu] 修改 resolv.conf 檔案卻一直被清空?

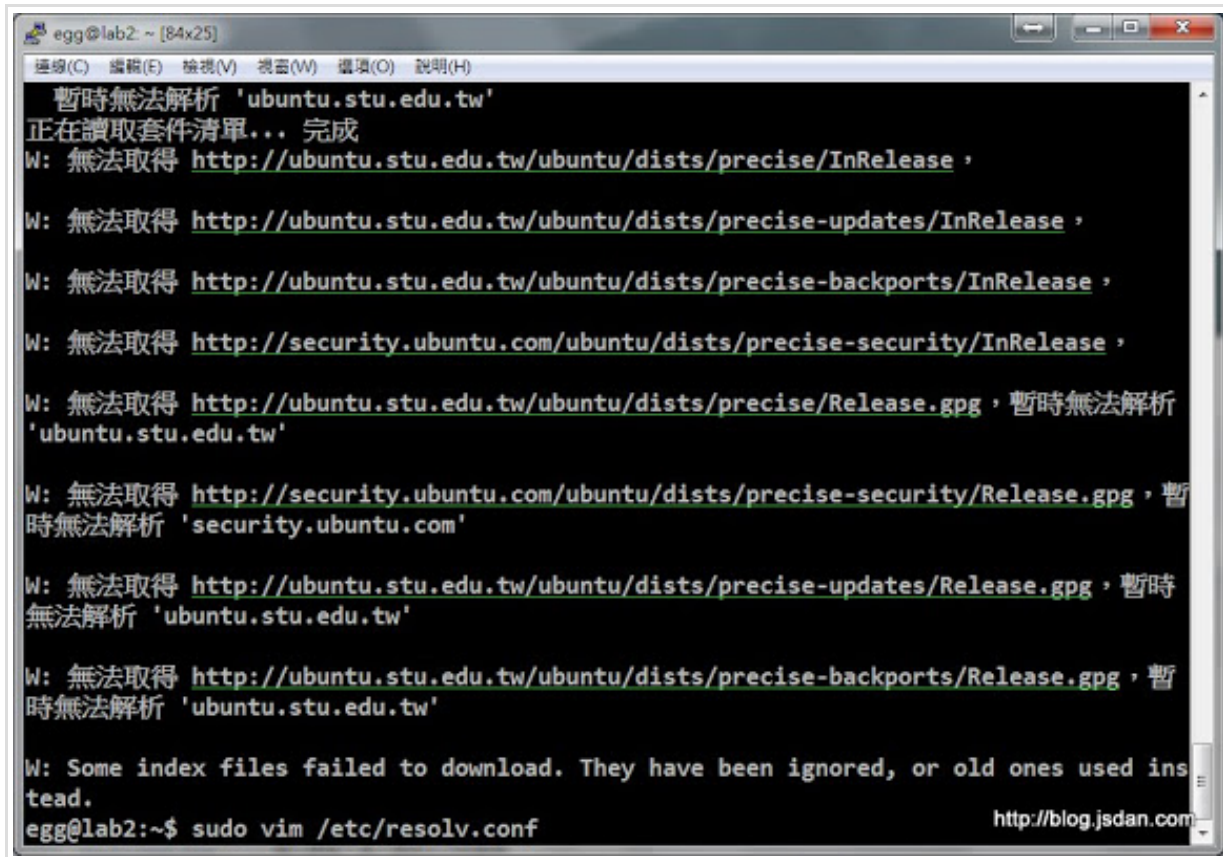
0

如果機器是透過 DHCP 或者是 PPPoE取得 IP 的話

基本上應該是沒什麼需要看這文章啦

但如果哪天你改成實體 IP 的話

你會發現沒辦法連上網路



```
egg@lab2 ~ [84x25]
臨時無法解析 'ubuntu.stu.edu.tw'
正在讀取套件清單... 完成
W: 無法取得 http://ubuntu.stu.edu.tw/ubuntu/dists/precise/InRelease ,
W: 無法取得 http://ubuntu.stu.edu.tw/ubuntu/dists/precise-updates/InRelease ,
W: 無法取得 http://ubuntu.stu.edu.tw/ubuntu/dists/precise-backports/InRelease ,
W: 無法取得 http://security.ubuntu.com/ubuntu/dists/precise-security/InRelease ,
W: 無法取得 http://ubuntu.stu.edu.tw/ubuntu/dists/precise/Release.gpg , 臨時無法解析
'ubuntu.stu.edu.tw'
W: 無法取得 http://security.ubuntu.com/ubuntu/dists/precise-security/Release.gpg , 暫
時無法解析 'security.ubuntu.com'
W: 無法取得 http://ubuntu.stu.edu.tw/ubuntu/dists/precise-updates/Release.gpg , 暫時
無法解析 'ubuntu.stu.edu.tw'
W: 無法取得 http://ubuntu.stu.edu.tw/ubuntu/dists/precise-backports/Release.gpg , 暫
時無法解析 'ubuntu.stu.edu.tw'
W: Some index files failed to download. They have been ignored, or old ones used ins
tead.
egg@lab2:~$ sudo vim /etc/resolv.conf http://blog.jsdan.com
```

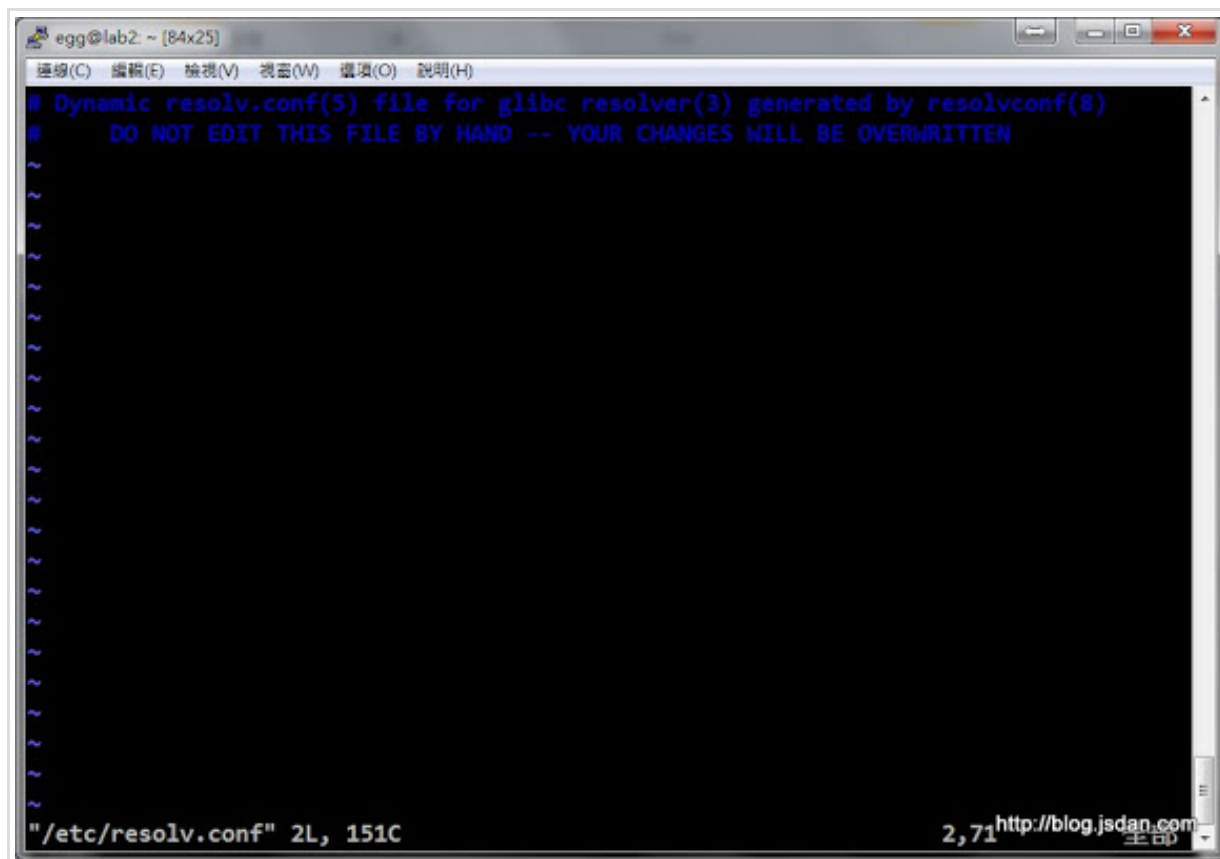
在更新套件的時候

會看到一大堆無法解析網址的錯誤訊息

一開始我以為是我改了 hosts 的問題

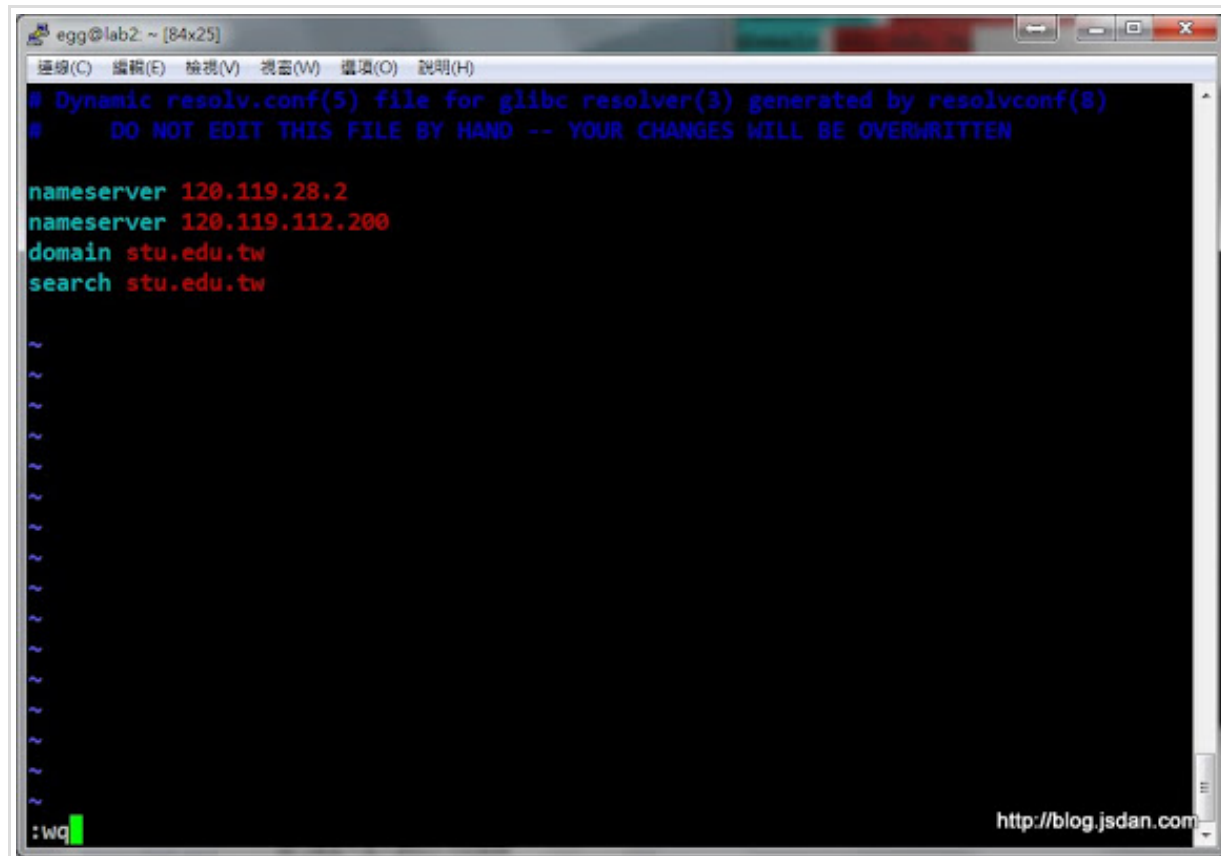
之後想到了DNS

```
sudo vim /etc/resolv.conf
```

A terminal window titled 'egg@lab2: ~ [84x25]' showing the contents of the file '/etc/resolv.conf'. The file is empty except for a header comment: '# Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8) DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN'. The rest of the file is filled with tilde characters '~'. The status bar at the bottom shows '"/etc/resolv.conf" 2L, 151C' and a URL 'http://blog.jsdan.com'.

阿怎麼會是空空如也

所以只好強制把DNS (nameserver) 的設定寫進去

A terminal window titled 'egg@lab2: ~ [84x25]' displays the contents of a dynamically generated `resolv.conf` file. The text is as follows:

```
# Dynamic resolv.conf(5) file for glibc resolver(3) generated by resolvconf(8)
#     DO NOT EDIT THIS FILE BY HAND -- YOUR CHANGES WILL BE OVERWRITTEN

nameserver 120.119.28.2
nameserver 120.119.112.200
domain stu.edu.tw
search stu.edu.tw

~
~
~
~
~
~
~
~
~
~
~
~

:wq
```

A URL `http://blog.jsdan.com` is visible in the bottom right corner of the terminal.

放心大膽的把底下的資訊寫到檔案裡面去

之後就可以存檔離開囉

p.s 如果你在家裡請填入中華電信或者是 google 的 8.8.8.8

```
nameserver 120.119.28.2
nameserver 120.119.112.200
domain stu.edu.tw
search stu.edu.tw
```

之後網路通了

可是再從開機過後

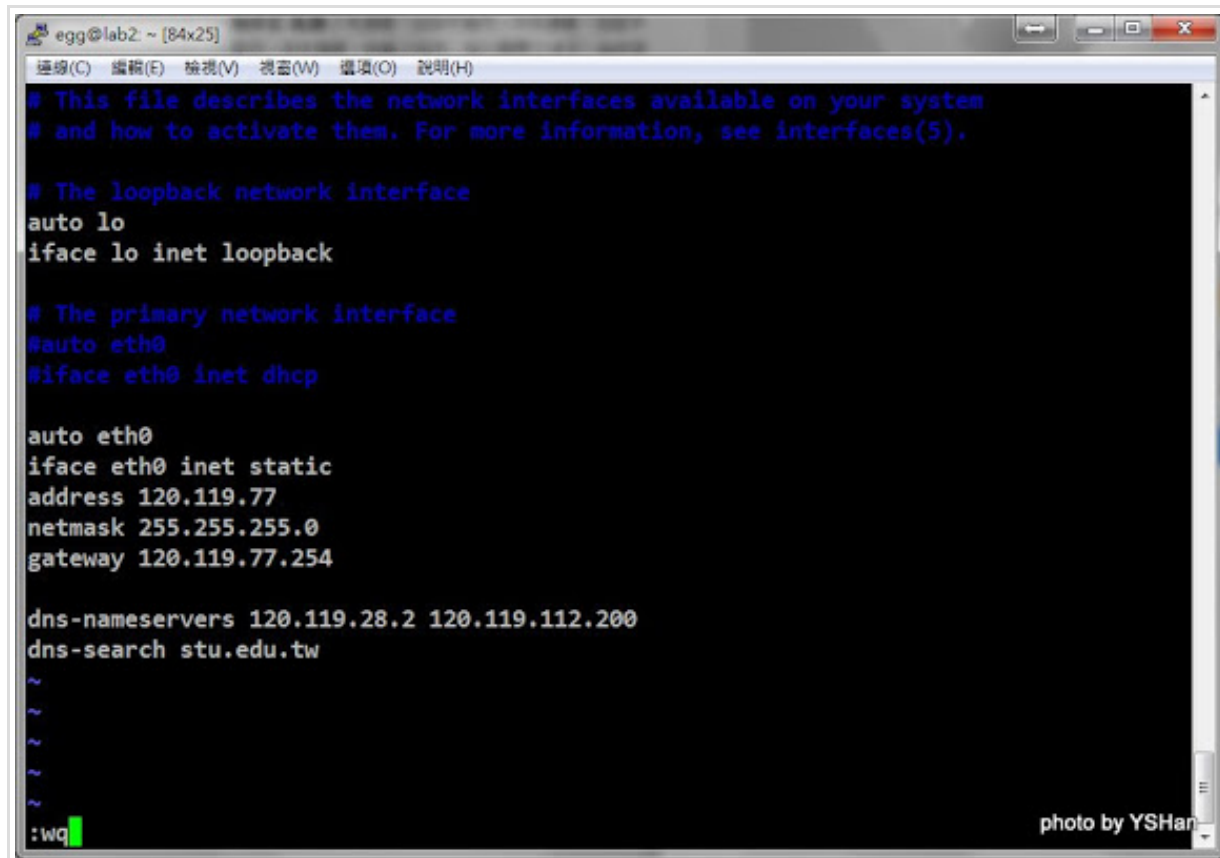
你會發現又不能上網了

再檢查這檔案發現設定又被清空了

這時候仔細看一下上面被註解的文字

`resolv.conf` 會動態產生 `nameserver` 的資料

現在 `nameserver` 的設定都移到 `/etc/network/interface` 這個檔案裡了



```
egg@lab2 ~ [84x25]
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
#auto eth0
#iface eth0 inet dhcp

auto eth0
iface eth0 inet static
address 120.119.77
netmask 255.255.255.0
gateway 120.119.77.254

dns-nameservers 120.119.28.2 120.119.112.200
dns-search stu.edu.tw

~
~
~
~
~
:wq
```

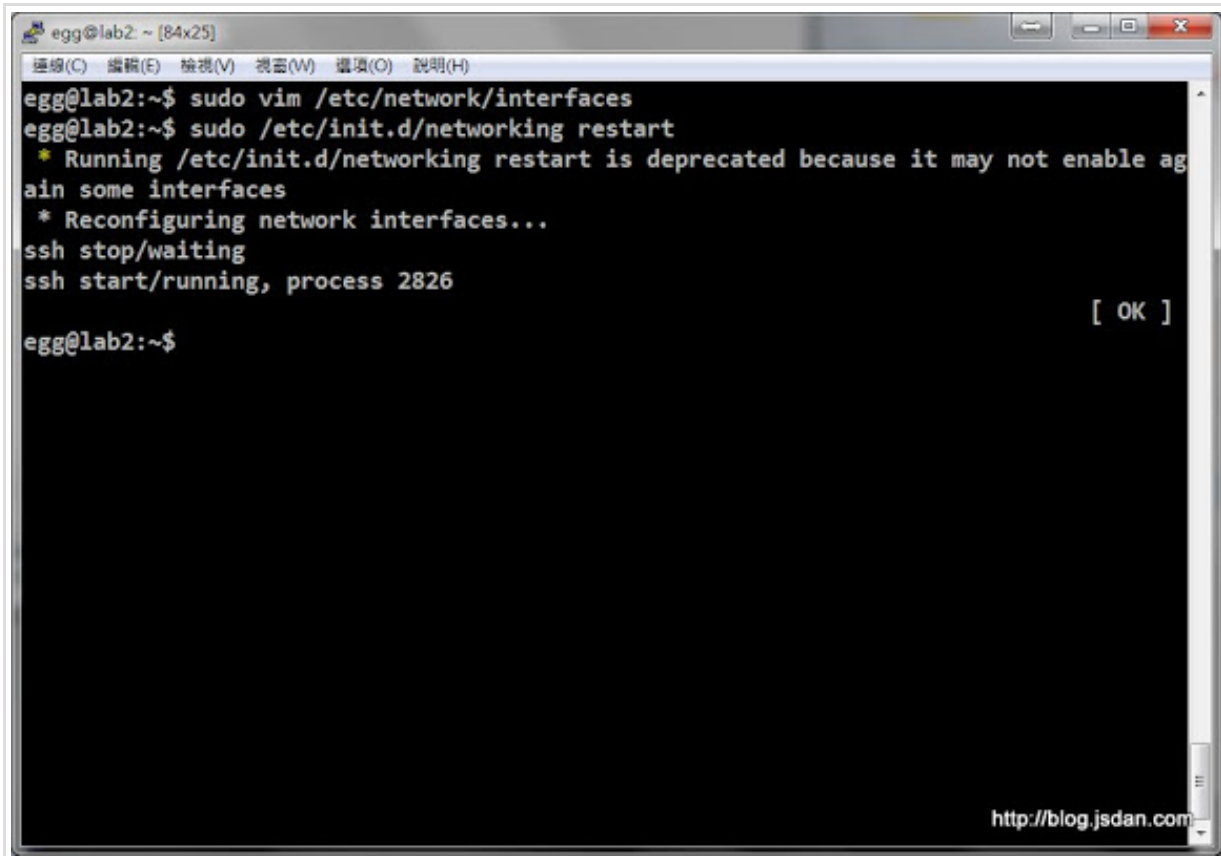
所以換修改另外一個檔案

```
sudo vim /etc/network/interfaces
```

將底下的內容加進去

```
dns-nameservers 120.119.28.2 120.119.112.200
dns-search stu.edu.tw
```

之後一樣存檔離開

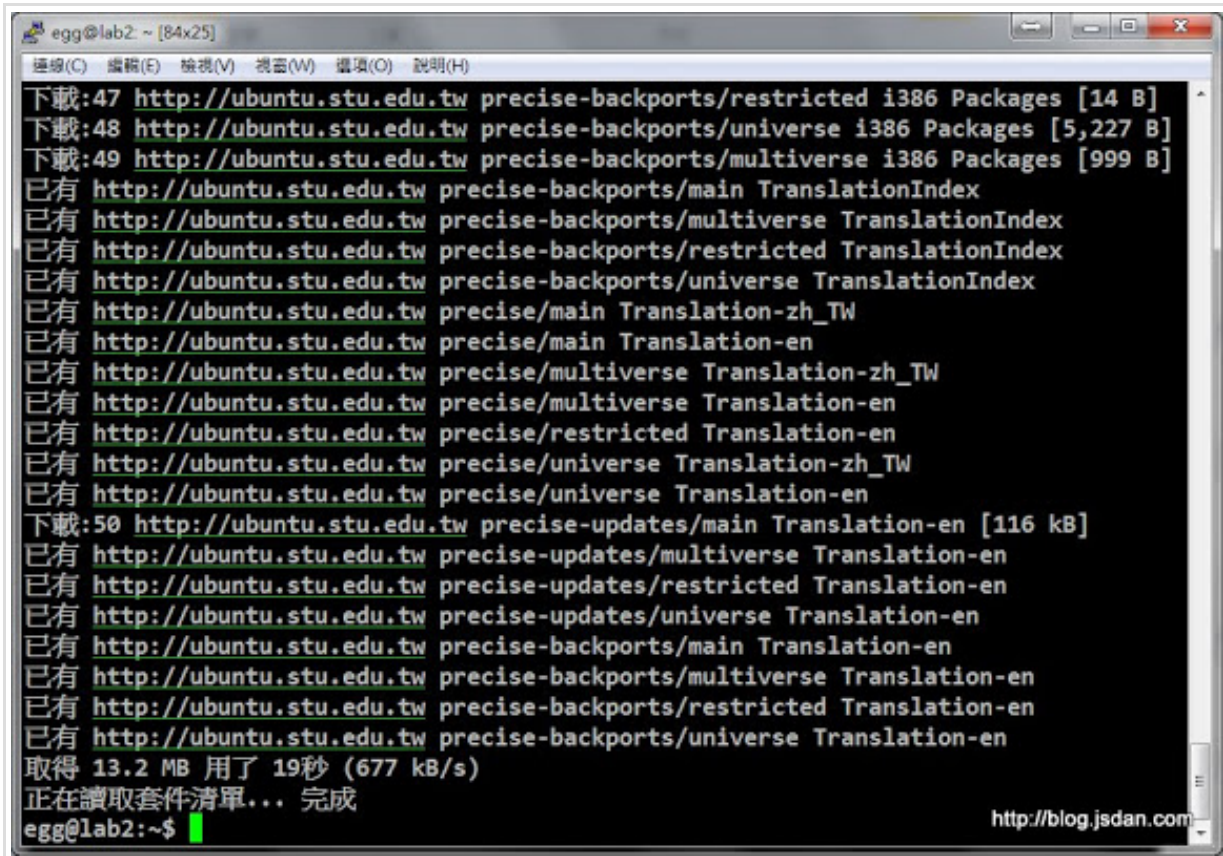
A terminal window titled 'egg@lab2 ~ [84x25]' with a menu bar containing '連線(C)', '編輯(E)', '檢視(V)', '視窗(W)', '選項(O)', and '說明(H)'. The terminal shows the following commands and output:

```
egg@lab2:~$ sudo vim /etc/network/interfaces
egg@lab2:~$ sudo /etc/init.d/networking restart
* Running /etc/init.d/networking restart is deprecated because it may not enable again some interfaces
* Reconfiguring network interfaces...
ssh stop/waiting
ssh start/running, process 2826
[ OK ]
egg@lab2:~$
```

A URL 'http://blog.jsdan.com' is visible in the bottom right corner of the terminal window.

然後從新啟動一下網路

```
sudo /etc/init.d/networking restart
```

A terminal window titled 'egg@lab2 ~ [84x25]' with a menu bar (File, Edit, View, Window, Options, Help). The terminal output shows a series of package updates and translations from 'http://ubuntu.stu.edu.tw'. It lists downloads for 'precise-backports/restricted', 'precise-backports/universe', and 'precise-backports/multiverse' (each with 1386 packages). It also lists translations for 'precise-backports/main', 'precise-backports/multiverse', 'precise-backports/restricted', and 'precise-backports/universe' in both Chinese (zh\_TW) and English (en). A final download for 'precise-updates/main Translation-en' is shown with a size of 116 kB. The process concludes with a message: '取得 13.2 MB 用了 19秒 (677 kB/s) 正在讀取套件清單... 完成'. The prompt 'egg@lab2:~\$' is visible at the bottom left, and a URL 'http://blog.jsdan.com' is at the bottom right.

```
egg@lab2 ~ [84x25]
下載:47 http://ubuntu.stu.edu.tw precise-backports/restricted i386 Packages [14 B]
下載:48 http://ubuntu.stu.edu.tw precise-backports/universe i386 Packages [5,227 B]
下載:49 http://ubuntu.stu.edu.tw precise-backports/multiverse i386 Packages [999 B]
已有 http://ubuntu.stu.edu.tw precise-backports/main TranslationIndex
已有 http://ubuntu.stu.edu.tw precise-backports/multiverse TranslationIndex
已有 http://ubuntu.stu.edu.tw precise-backports/restricted TranslationIndex
已有 http://ubuntu.stu.edu.tw precise-backports/universe TranslationIndex
已有 http://ubuntu.stu.edu.tw precise/main Translation-zh_TW
已有 http://ubuntu.stu.edu.tw precise/main Translation-en
已有 http://ubuntu.stu.edu.tw precise/multiverse Translation-zh_TW
已有 http://ubuntu.stu.edu.tw precise/multiverse Translation-en
已有 http://ubuntu.stu.edu.tw precise/restricted Translation-en
已有 http://ubuntu.stu.edu.tw precise/universe Translation-zh_TW
已有 http://ubuntu.stu.edu.tw precise/universe Translation-en
下載:50 http://ubuntu.stu.edu.tw precise-updates/main Translation-en [116 kB]
已有 http://ubuntu.stu.edu.tw precise-updates/multiverse Translation-en
已有 http://ubuntu.stu.edu.tw precise-updates/restricted Translation-en
已有 http://ubuntu.stu.edu.tw precise-updates/universe Translation-en
已有 http://ubuntu.stu.edu.tw precise-backports/main Translation-en
已有 http://ubuntu.stu.edu.tw precise-backports/multiverse Translation-en
已有 http://ubuntu.stu.edu.tw precise-backports/restricted Translation-en
已有 http://ubuntu.stu.edu.tw precise-backports/universe Translation-en
取得 13.2 MB 用了 19秒 (677 kB/s)
正在讀取套件清單... 完成
egg@lab2:~$
```

之後就會發現網路正常囉

參考資料:

<http://tiebob.blogspot.tw/2012/04/ubuntu-1204-ip-resolvconf.html>

<http://learninginfree.blogspot.tw/2012/03/ubuntu-1204-server-beta1-resolvconf.html>