

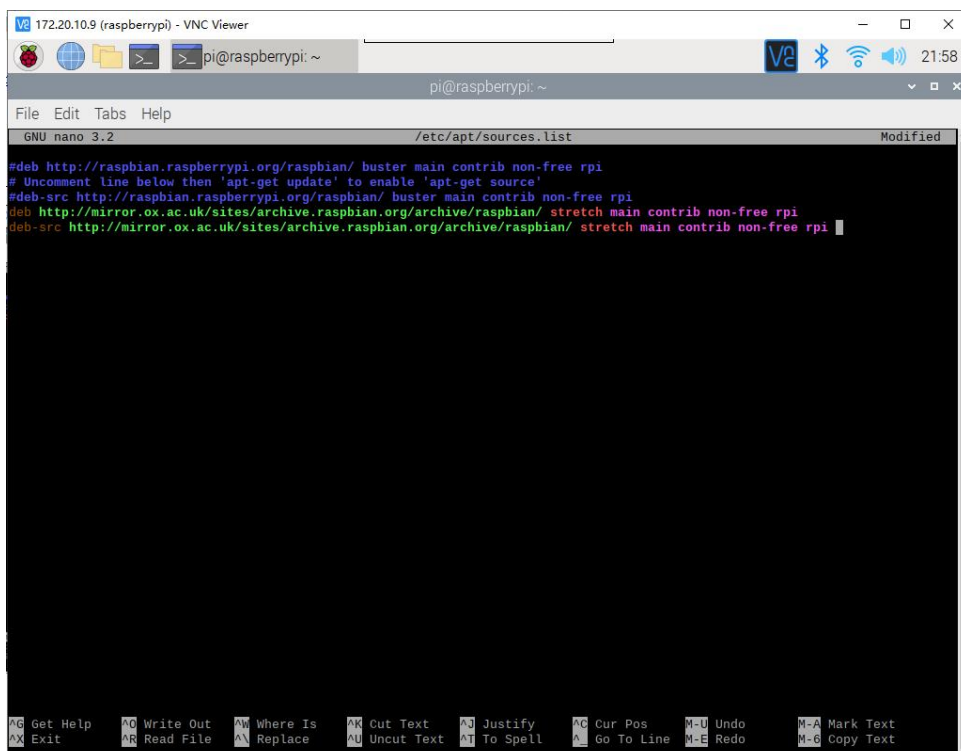
Lesson 5 Change Software Download Source

The default software download server of the Raspberry Pi is officially designated. If it is slow or fail to download files, kindly suggest you to switch to other server which is closer to you such as the Oxford University server. (Servers in other countries or regions can refer to the official mirror list: <https://www.raspbian.org/RaspbianMirrors>)

1) Send the “**sudo nano /etc/apt/sources.list**” command to edit the sources.list file, comment all the contents of the original file and add the following info:

deb <http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/> stretch
main contrib non-free rpi

deb-src <http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/>
stretch main contrib non-free rpi



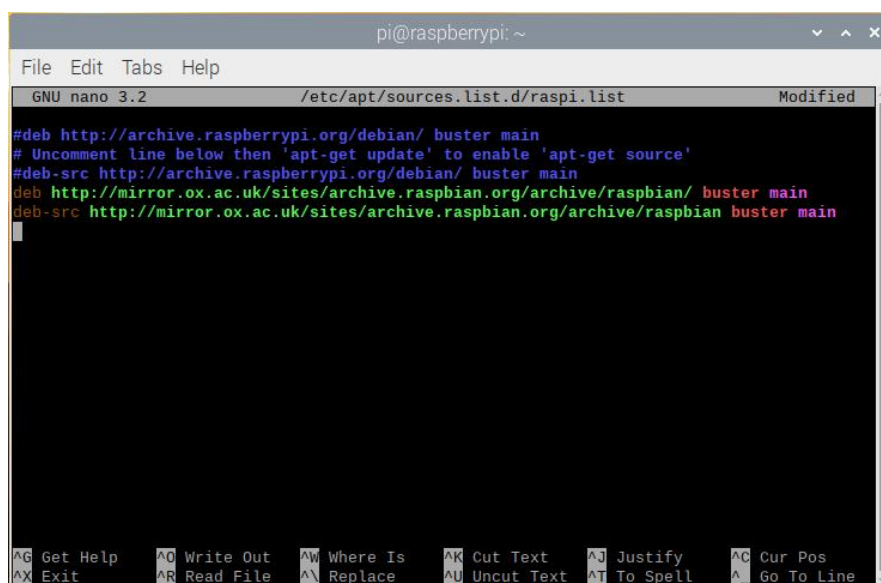
```
172.20.10.9 (raspberrypi) - VNC Viewer
pi@raspberrypi: ~
File Edit Tabs Help
GNU nano 3.2 /etc/apt/sources.list Modified
#deb http://raspbian.raspberrypi.org/raspbian/ buster main contrib non-free rpi
# Uncomment line below then 'apt-get update' to enable 'apt-get source'
#deb-src http://raspbian.raspberrypi.org/raspbian/ buster main contrib non-free rpi
deb http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/ stretch main contrib non-free rpi
deb-src http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/ stretch main contrib non-free rpi
```

Then press “ Ctrl+O” to save the files, “Ctrl+X” to exit the file.

2) Send “**sudo nano /etc/apt/sources.list.d/raspi.list**” command to edit raspi.list file, comment all the contents of the original file and add the following info:

deb <http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/> buster main

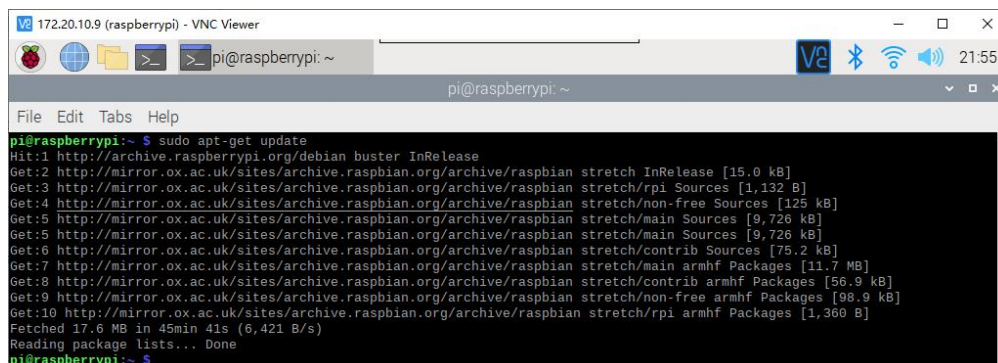
deb-src <http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/> buster main



```
pi@raspberrypi: ~  
File Edit Tabs Help  
GNU nano 3.2 /etc/apt/sources.list.d/raspi.list Modified  
#deb http://archive.raspberrypi.org/debian/ buster main  
# Uncomment line below then 'apt-get update' to enable 'apt-get source'  
#deb-src http://archive.raspberrypi.org/debian/ buster main  
deb http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian/ buster main  
deb-src http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian buster main  
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos  
^X Exit ^R Read File ^_ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

Press “ Ctrl+O” to save the files, “Ctrl+X” to exit the file.

3) Execute “sudo apt-get update” command.



```
172.20.10.9 (raspberrypi) - VNC Viewer  
pi@raspberrypi: ~  
File Edit Tabs Help  
pi@raspberrypi:~$ sudo apt-get update  
Hit:1 http://archive.raspberrypi.org/debian buster InRelease  
Get:2 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch InRelease [15.0 kB]  
Get:3 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/rpi Sources [1,132 B]  
Get:4 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/non-free Sources [125 kB]  
Get:5 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/main Sources [9,726 kB]  
Get:6 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/main Sources [9,726 kB]  
Get:7 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/contrib Sources [75.2 kB]  
Get:8 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/main armhf Packages [11.7 MB]  
Get:9 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/contrib armhf Packages [56.9 kB]  
Get:10 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/non-free armhf Packages [98.9 kB]  
Get:10 http://mirror.ox.ac.uk/sites/archive.raspbian.org/archive/raspbian stretch/rpi armhf Packages [1,360 B]  
Fetched 17.6 MB in 45min 41s (6,421 B/s)  
Reading package lists... Done  
pi@raspberrypi:~$
```

4) Restart Raspberry Pi: sudo reboot.