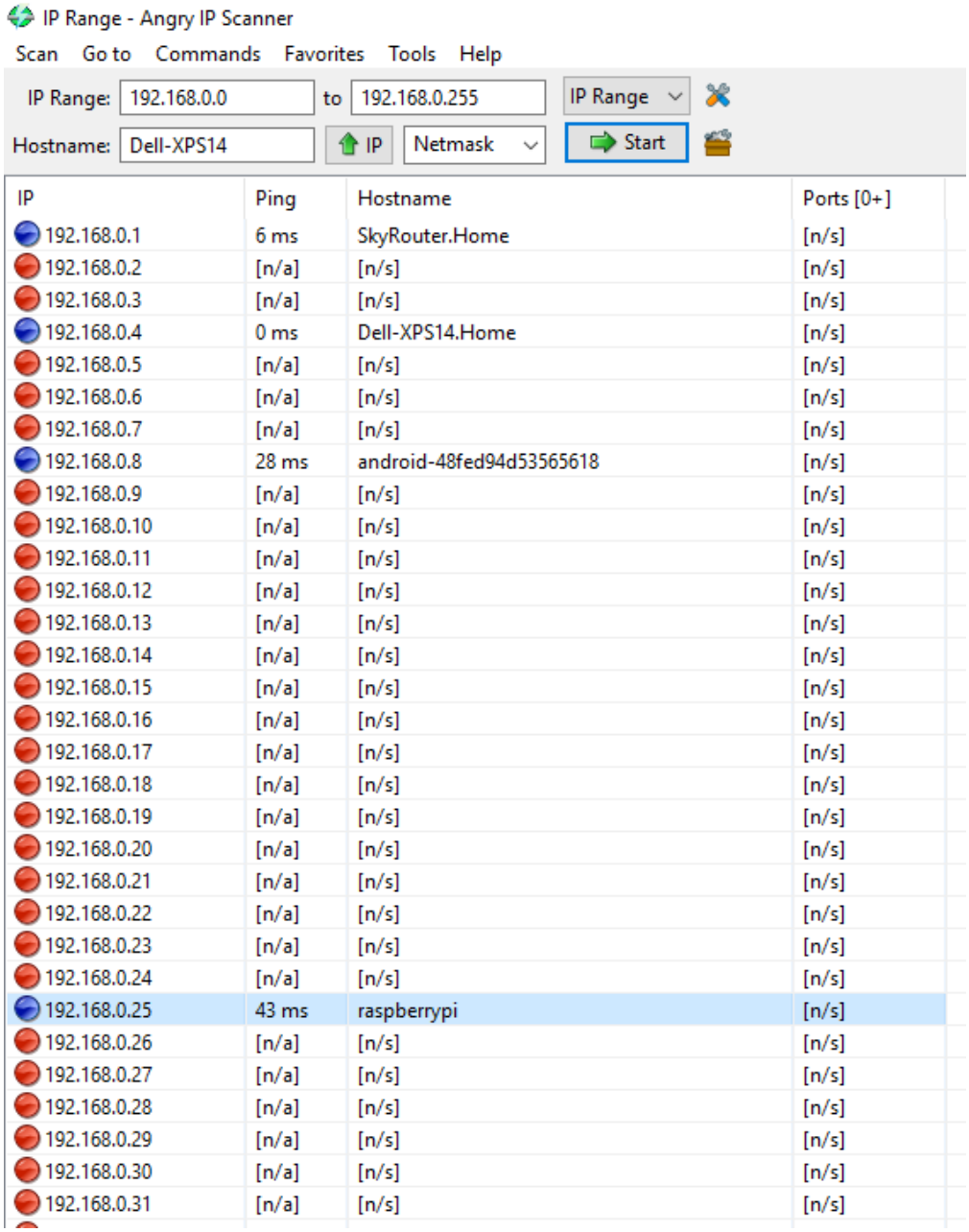
Using a windows laptop

1. If you have your RPi3 connected to a display then go to the command line and type the following to install TightVNC and give you remote access to your RPi3.
sudo apt-get install tightvncserver
[if you completed this step successfully, then jump to step 6]

2. If you don't have a display connected on your RPi3 don't worry, you can remotely login to your device and obtain its IP address. Use the following steps:

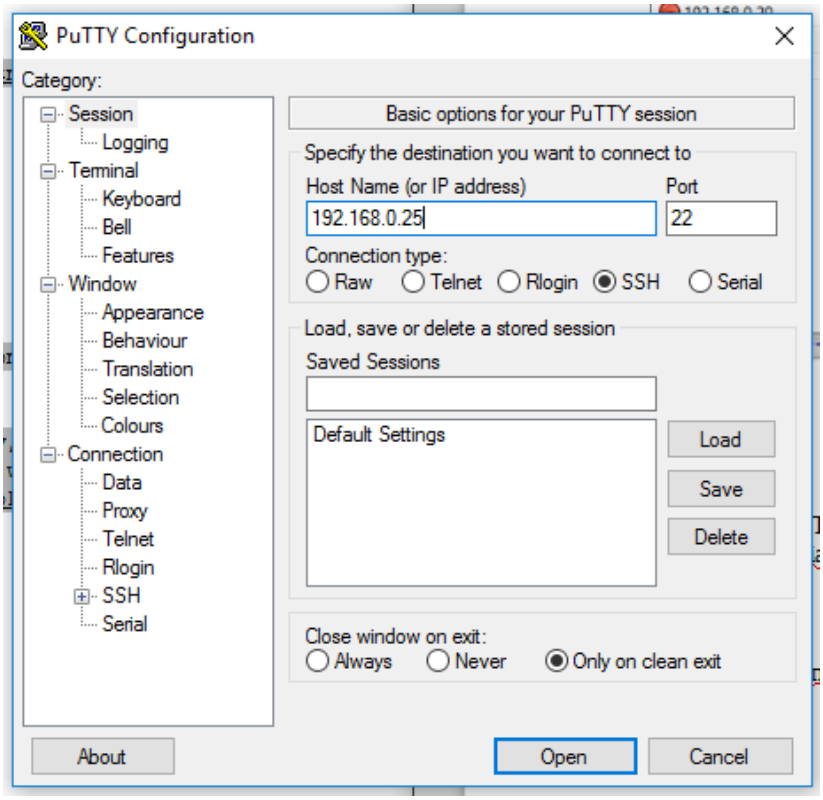
2.1. Download Angry IP scanner which identifies all the devices connected within a specified range of host addresses. You can easy pick out the RPi3 one and see the IP address its connected on.

http://angryip.org/

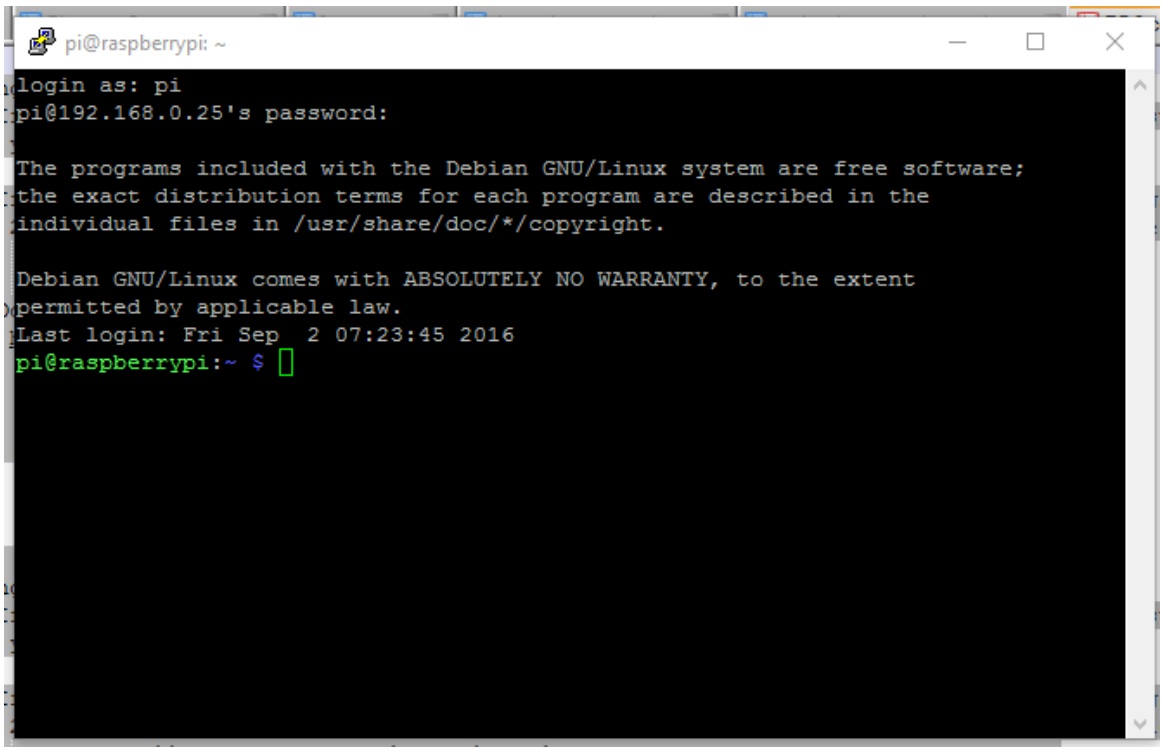


IP	Ping	Hostname	Ports [0+]
192.168.0.1	6 ms	SkyRouter.Home	[n/s]
192.168.0.2	[n/a]	[n/s]	[n/s]
192.168.0.3	[n/a]	[n/s]	[n/s]
192.168.0.4	0 ms	Dell-XPS14.Home	[n/s]
192.168.0.5	[n/a]	[n/s]	[n/s]
192.168.0.6	[n/a]	[n/s]	[n/s]
192.168.0.7	[n/a]	[n/s]	[n/s]
192.168.0.8	28 ms	android-48fed94d53565618	[n/s]
192.168.0.9	[n/a]	[n/s]	[n/s]
192.168.0.10	[n/a]	[n/s]	[n/s]
192.168.0.11	[n/a]	[n/s]	[n/s]
192.168.0.12	[n/a]	[n/s]	[n/s]
192.168.0.13	[n/a]	[n/s]	[n/s]
192.168.0.14	[n/a]	[n/s]	[n/s]
192.168.0.15	[n/a]	[n/s]	[n/s]
192.168.0.16	[n/a]	[n/s]	[n/s]
192.168.0.17	[n/a]	[n/s]	[n/s]
192.168.0.18	[n/a]	[n/s]	[n/s]
192.168.0.19	[n/a]	[n/s]	[n/s]
192.168.0.20	[n/a]	[n/s]	[n/s]
192.168.0.21	[n/a]	[n/s]	[n/s]
192.168.0.22	[n/a]	[n/s]	[n/s]
192.168.0.23	[n/a]	[n/s]	[n/s]
192.168.0.24	[n/a]	[n/s]	[n/s]
192.168.0.25	43 ms	raspberrypi	[n/s]
192.168.0.26	[n/a]	[n/s]	[n/s]
192.168.0.27	[n/a]	[n/s]	[n/s]
192.168.0.28	[n/a]	[n/s]	[n/s]
192.168.0.29	[n/a]	[n/s]	[n/s]
192.168.0.30	[n/a]	[n/s]	[n/s]
192.168.0.31	[n/a]	[n/s]	[n/s]

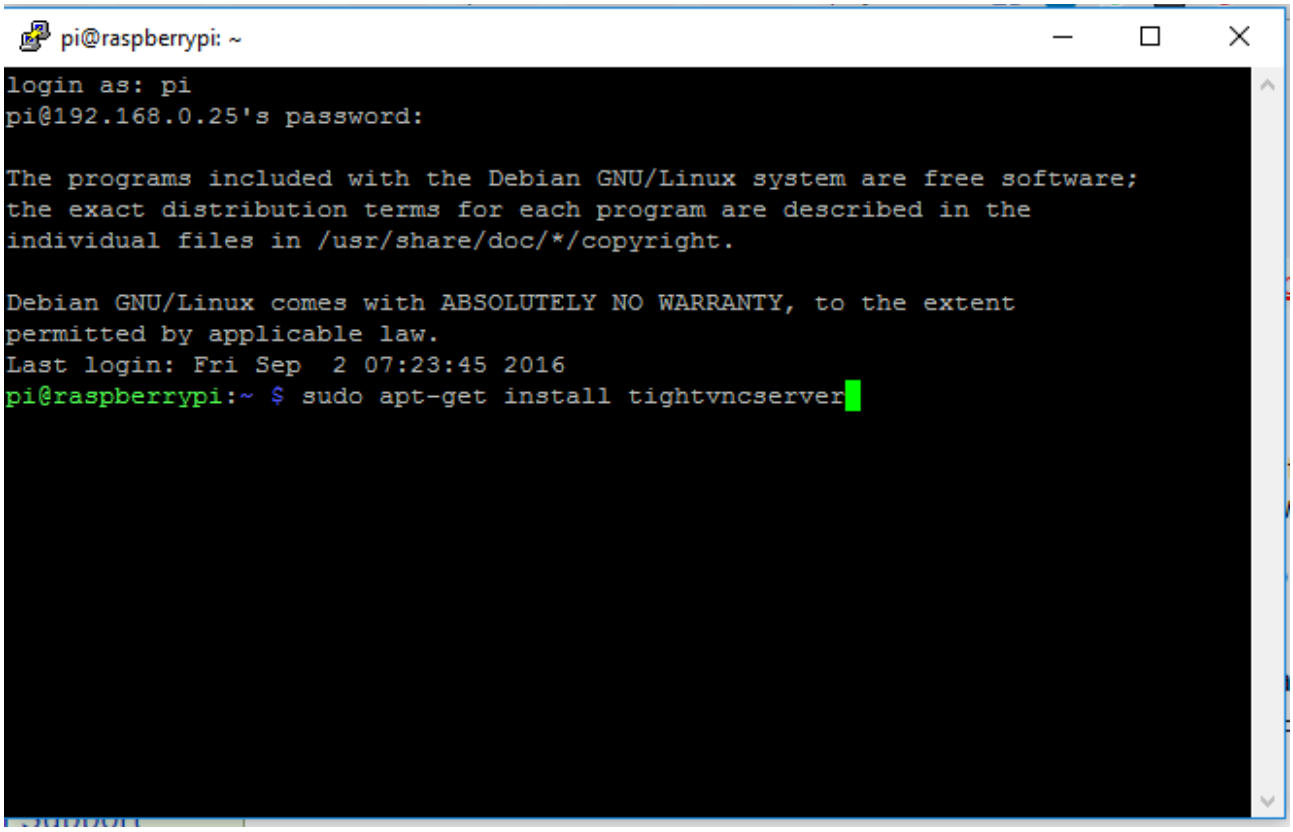
3. Download SSH PUTTY to remotely connect to your RPi3
http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html



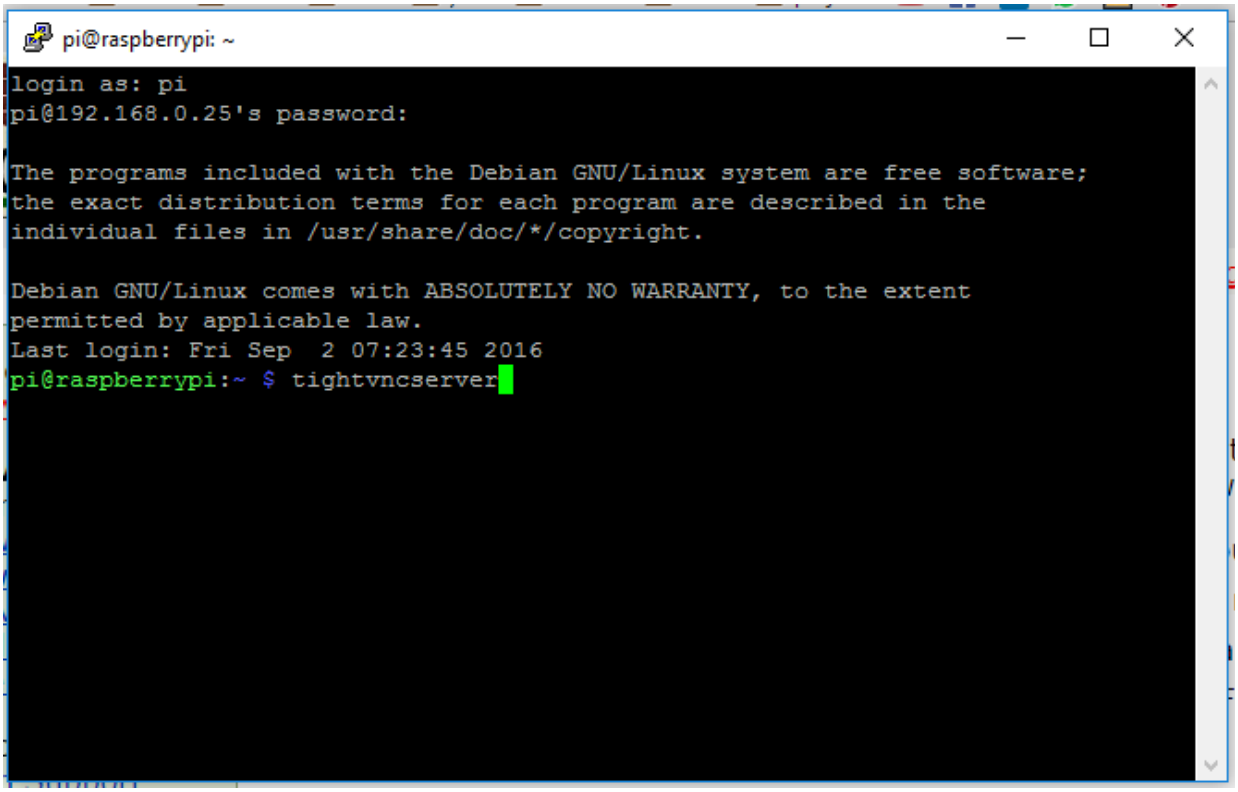
4. The Putty session will ask you to login.
Username: pi
Password: raspberry

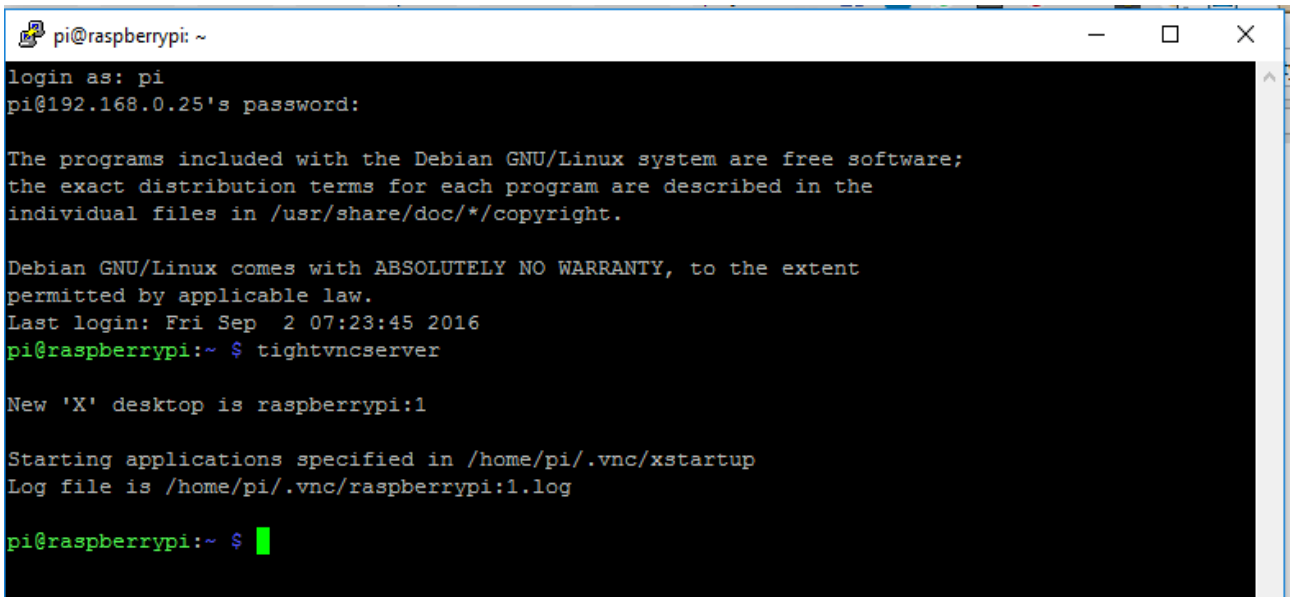


5. Install TightVNC on your RPi3 to give you remote access to your device.



6. Whether your RPi3 is connected to a display unit already or you are connecting to it remotely, the next step is to start the Tight VNC application we installed earlier. So type:
tightvncserver

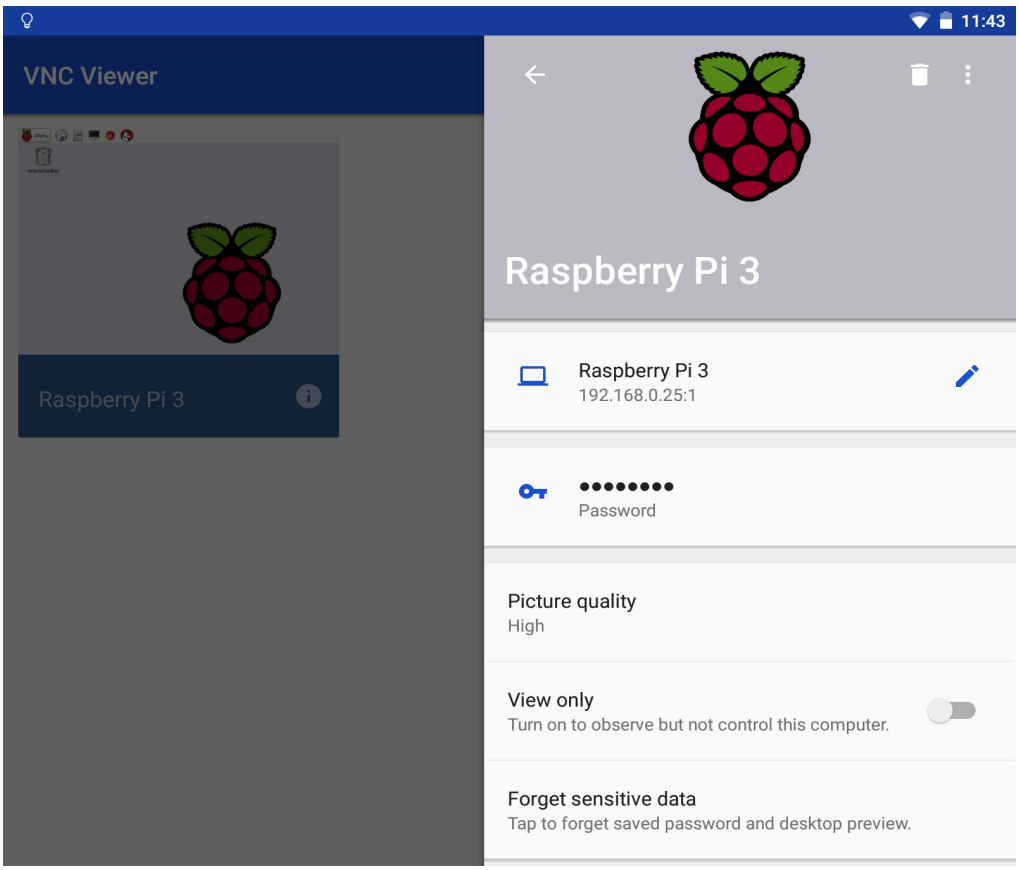




You can see that the application has been started and the raspberrypi has been assigned to port 1.

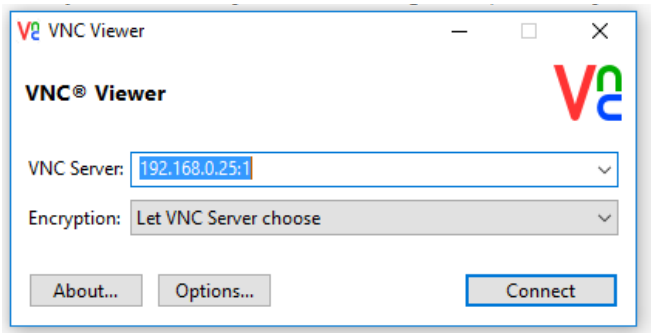
7. Download VNC Viewer for android to remotely connect.
https://play.google.com/store/apps/details?id=com.realvnc.viewer.android

Type in the RPi3 IP address followed by the port in the format **192.168.0.25:1**.

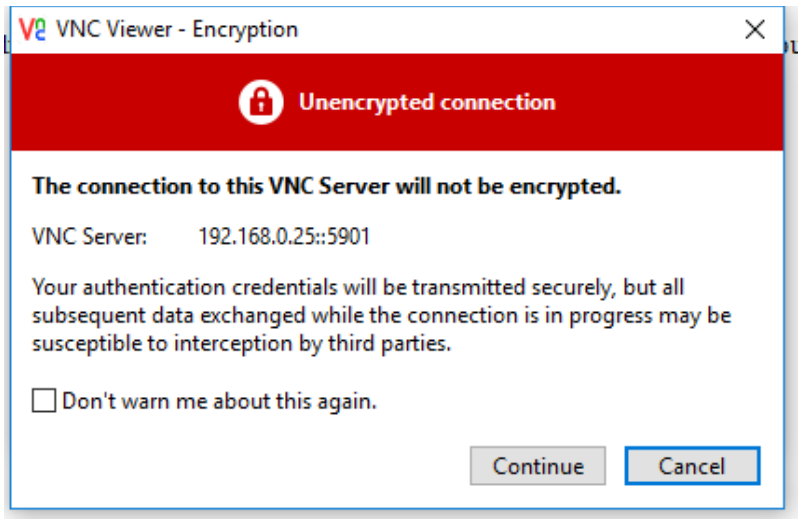


TIP: Download VNC Viewer for windows to remotely connect from your laptop as well!
https://www.realvnc.com/download/viewer/

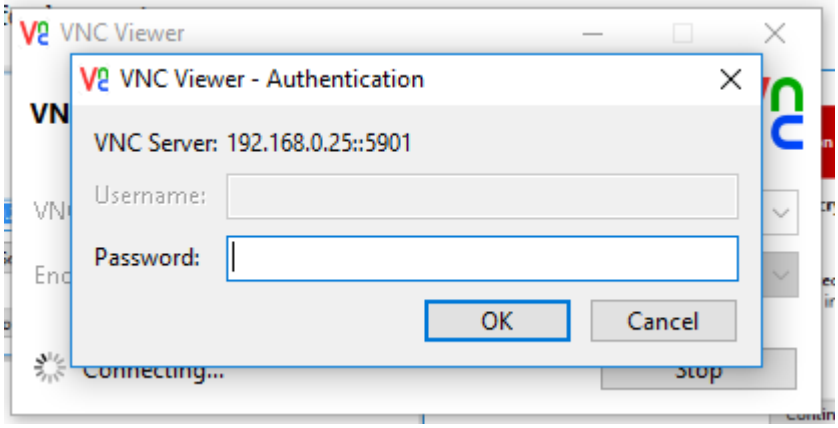
Enter the IP address of your RPi3 and the port it has been assigned to. (look at the previous step).



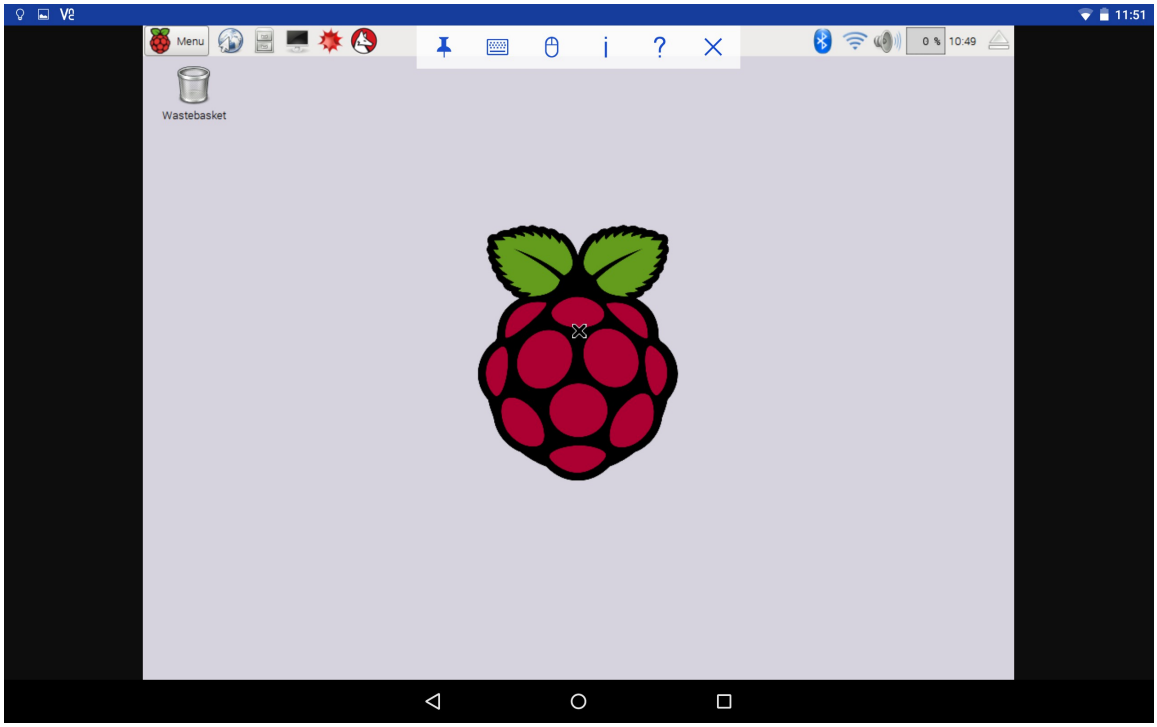
Select continue for the warning pop-up.



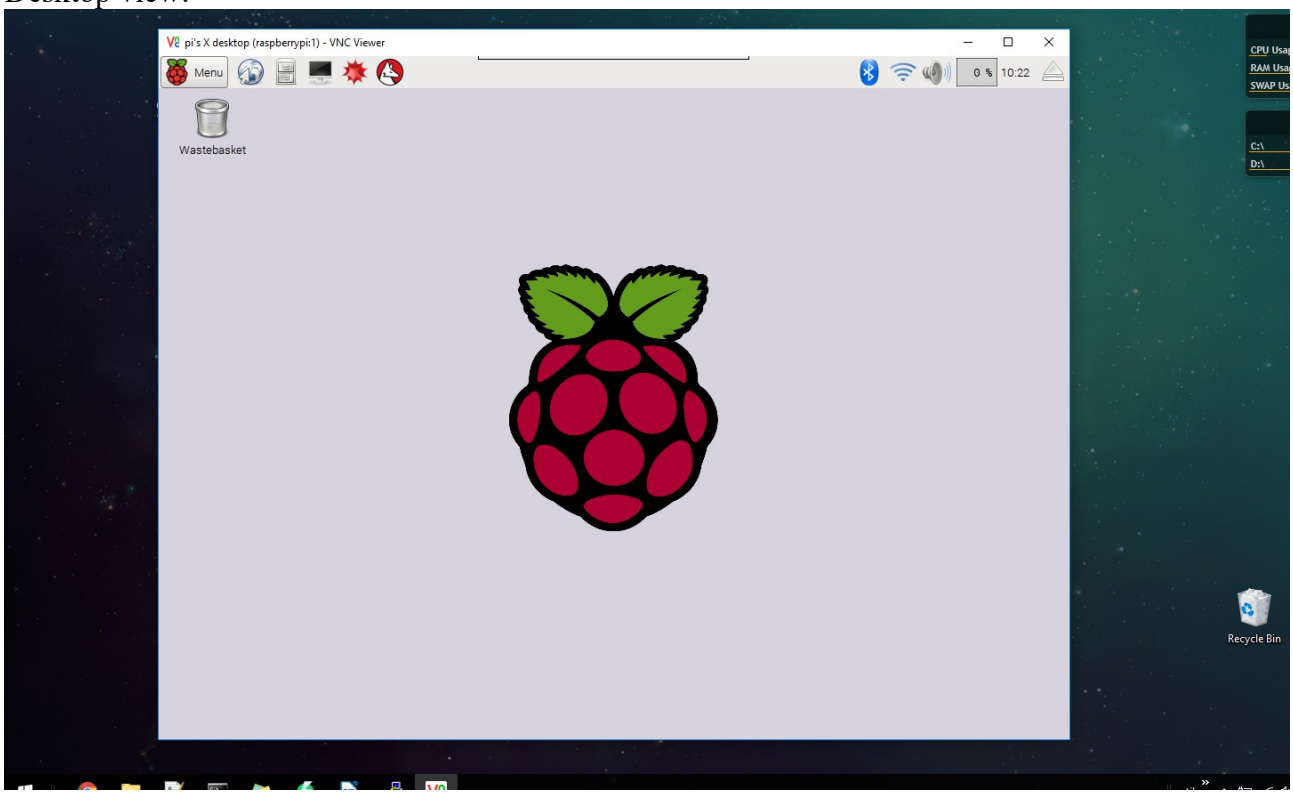
It is gonna ask you for a password the first time. Use the same password every time you log in.



AND YOU ARE IN!
Android view:



Desktop view:



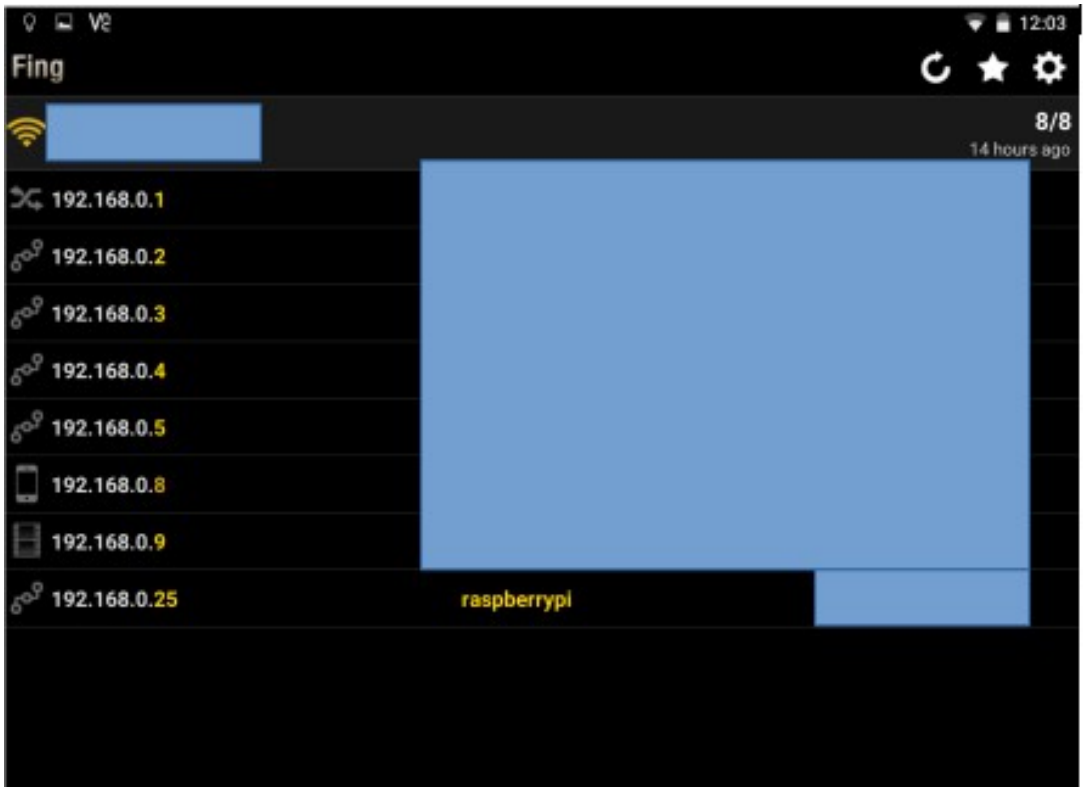
Using your android device

1. If you have your RPi3 connected to a display then go to the command line and type the following to install TightVNC and give you remote access to your RPi3.
sudo apt-get install tightvncserver
[if you completed this step successfully, then jump to step 6]

2. If you don't have a display connected on your RPi3 don't worry, you can remotely login to your device and obtain its IP address. Use the following steps:

2.1. Download Fing on your android device (link below). This will show you all devices connected to your wifi. You can easily pick out the RPi3 one and see the IP address its connected on.

https://play.google.com/store/apps/details?id=com.overlook.android.fing

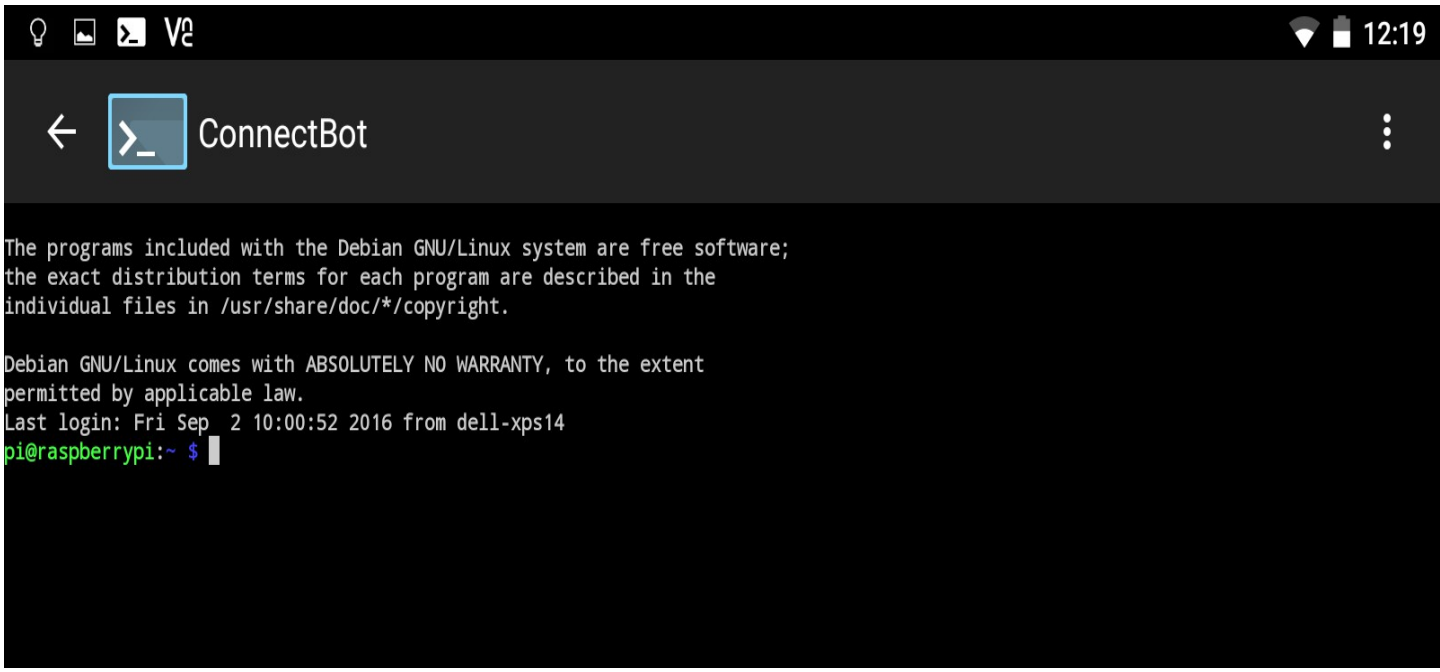


3. Download connectBot to remotely connect to your RPi3 from your android device
https://play.google.com/store/apps/details?id=org.connectbot&hl=en_GB

Enter your username, host and port in this format → username@host:port

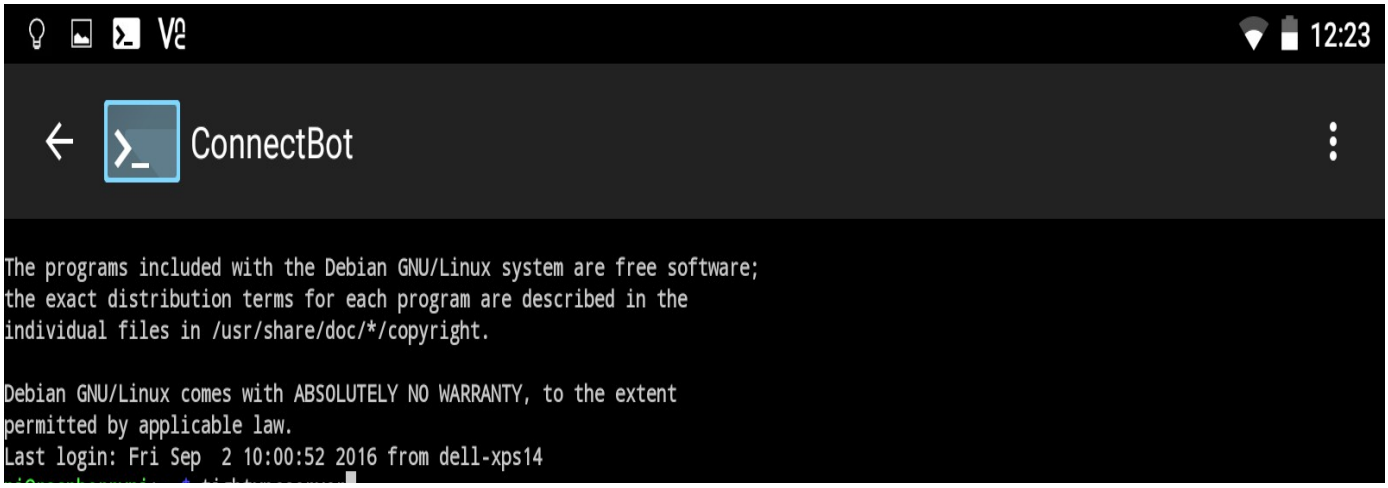
Username:	pi	
Host:	162.168.0.25	[your RPi3 ip address]
port:	22	[your network's port. Same as the one used during the SSH connection through a laptop/desktop]

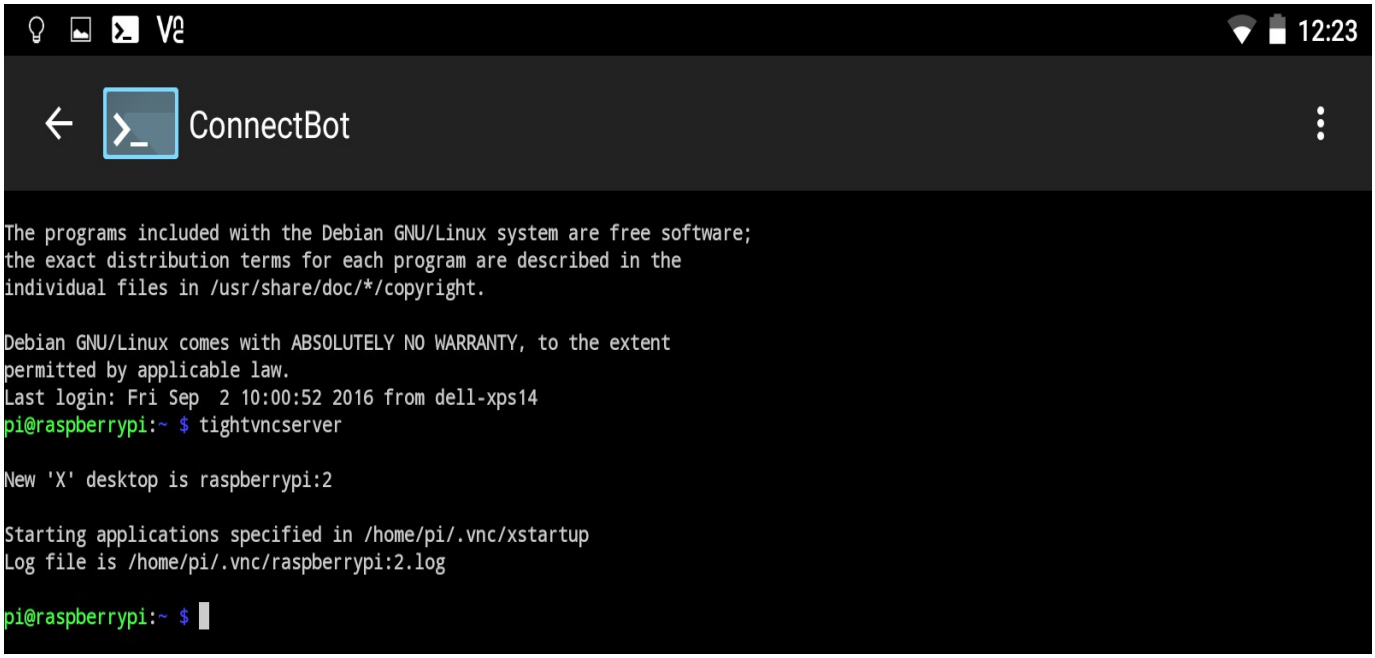
It is then gonna require a password.
Password: raspberry



Now you are remotely connected to your Rpi3 through your android device.

4. Fire up Tight VNC on your RPi3 using the following:
tightvncserver

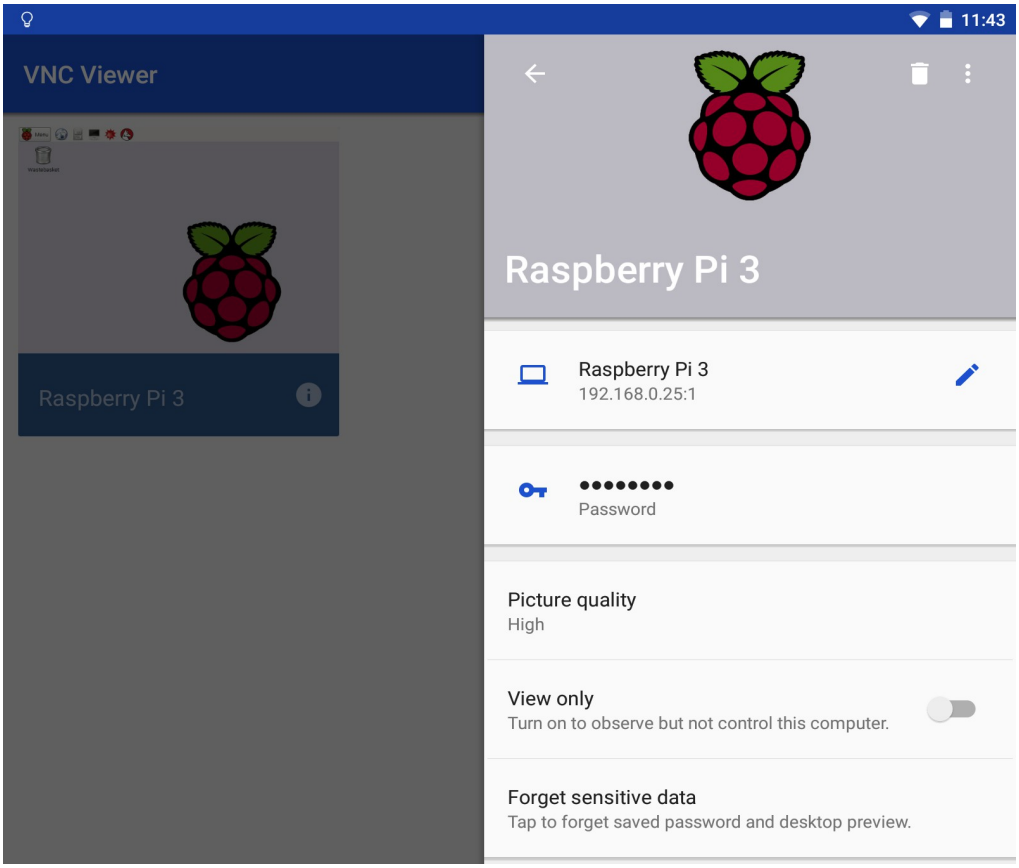




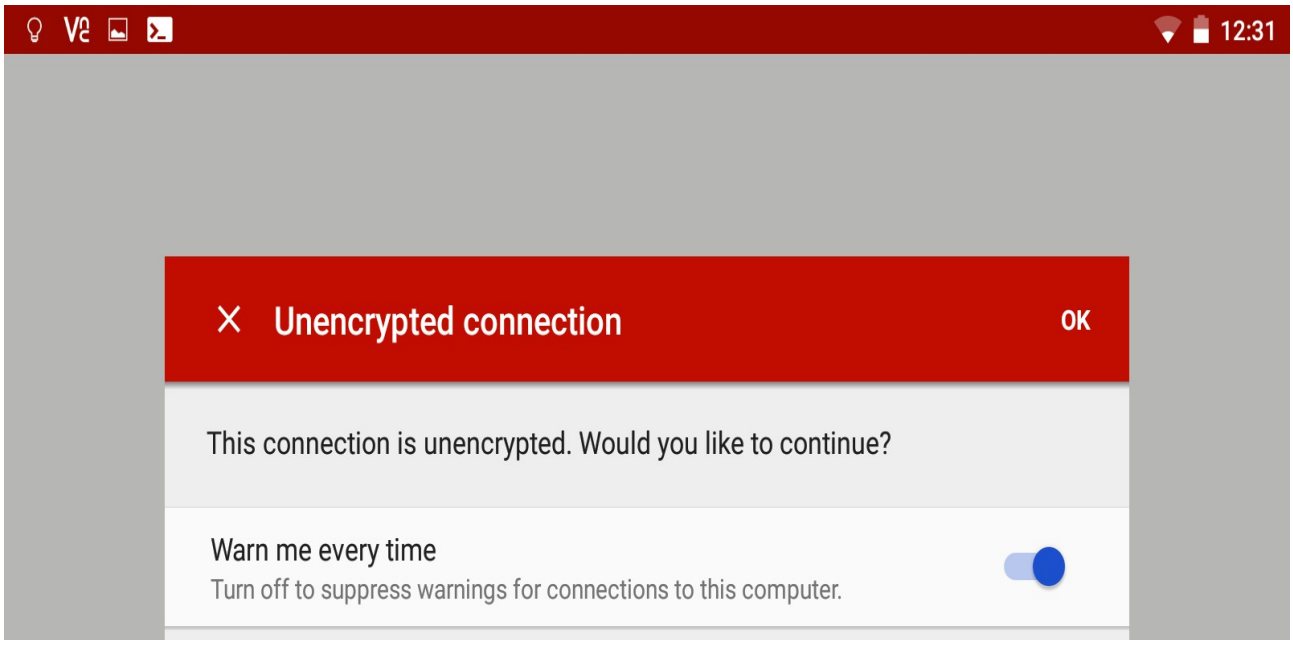
You can see that the application has been started and the raspberrypi has been assigned to port 2.

5. Download VNC Viewer for android to remotely connect.
https://play.google.com/store/apps/details?id=com.realvnc.viewer.android

Type in the RPi3 IP address followed by the port in the format **192.168.0.25:2**.



Select OK for the pop-up.



AND YOU ARE IN!