RaspberryPi folder sharing configuration

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Contents

1. Settings in RaspberryPi

1.1 Install the wifi module

Because there is no wifi connection module in Raspberry Pi, so each time when it is reboot, a wifi module have to be download with a wired network with wire network is connected:

sudo dhcpcd -4

Then the Pi can successfully connect to a wifi network.

1.2 Connect Pi in a local area network by wifi

Don’t forget to write down the ip address of the Raspberry Pi (e.g. 172.29.18.245). Can use a command to know the detail:

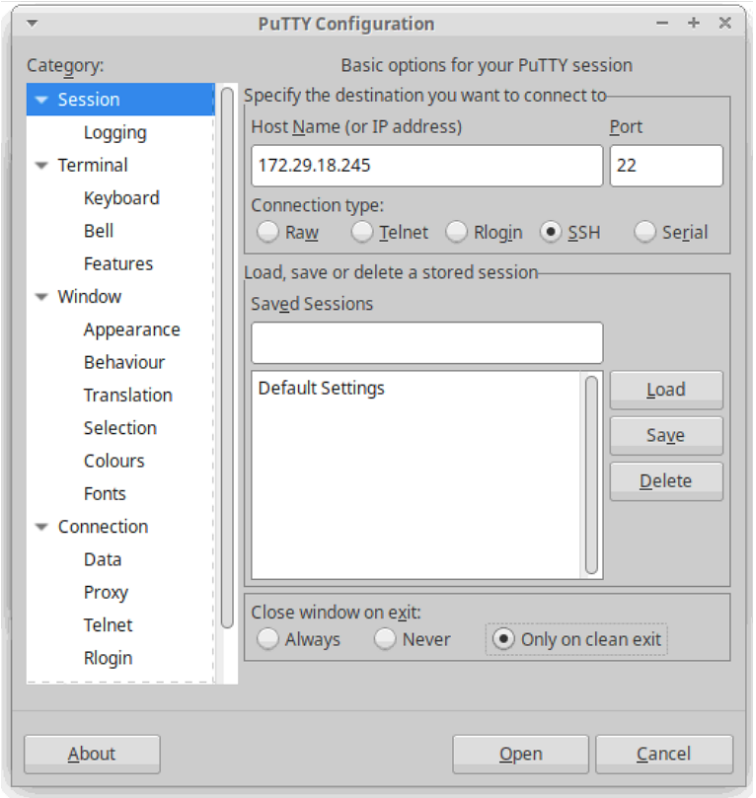
ipconfig

2. Settings in PC

2.1 Connect the pc to the local area network where the raspberry pi is located

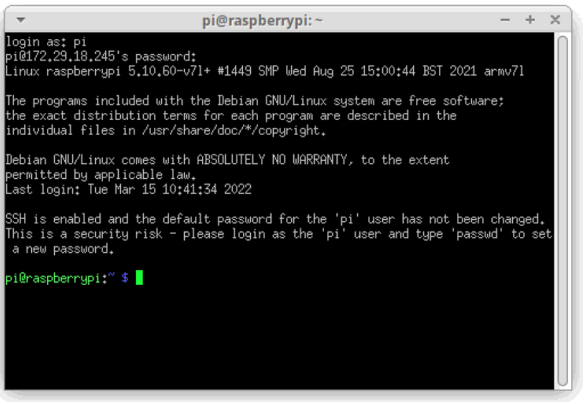
2.2 PuTTY configuration

Firstly make sure PuTTY is installed on the PC. Then in ‘PuTTY SSH Client’ application, input the ip address of Raspberry Pi (e.g. 172.29.18.245) and the username/password.



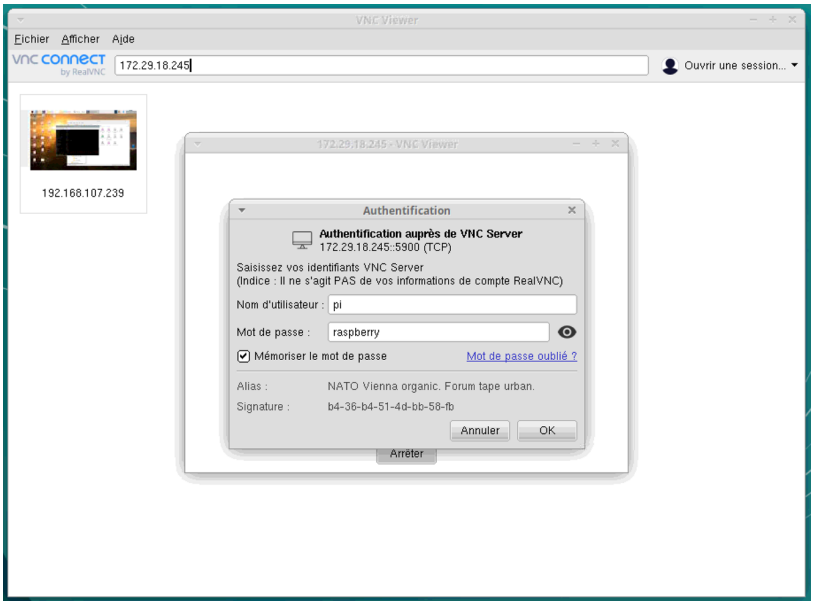
Port: 22
Connection type: SSH
Close window on exit: Only on clean exit
Username: pi
Password: raspberry

Then the PC is successfully connected with the Pi.



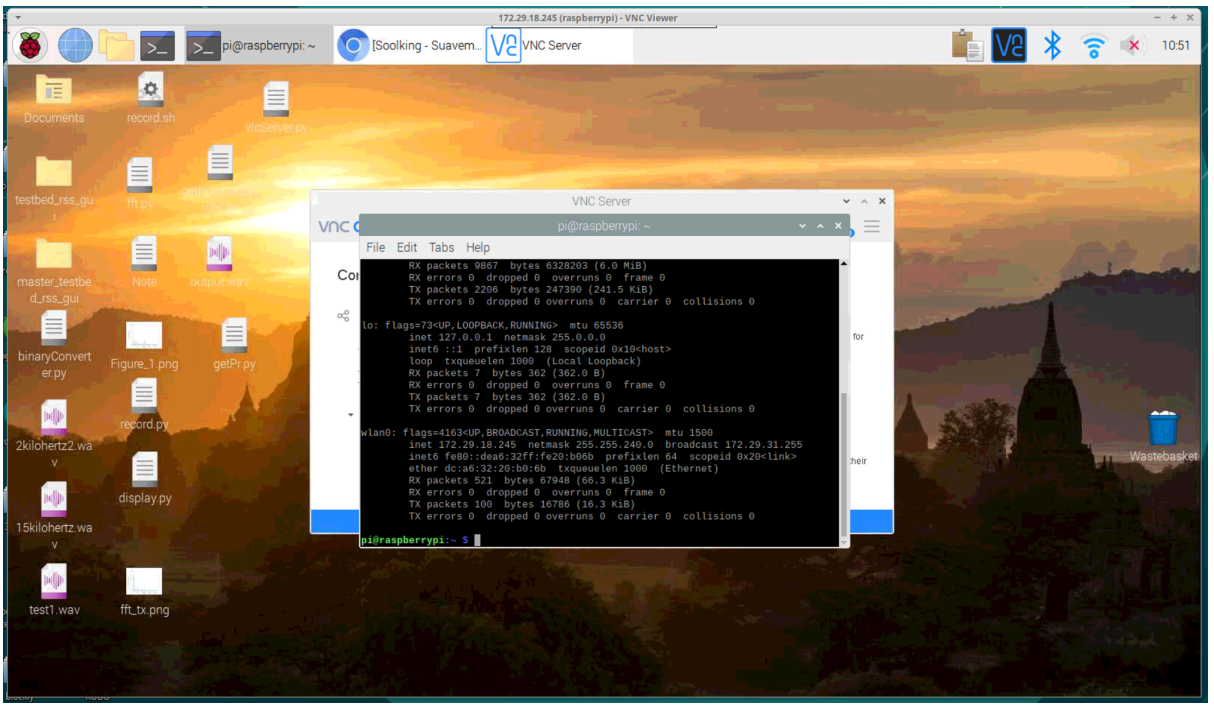
3. Using graphical interface of Pi in PC

If we want to use the graphical interface of Pi, a VNC server application is needed. Download this application in PC and Pi, use the ip address of Raspberry Pi (e.g. 172.29.18.245) , username and password can make the connection:



Username: pi
Password: raspberry

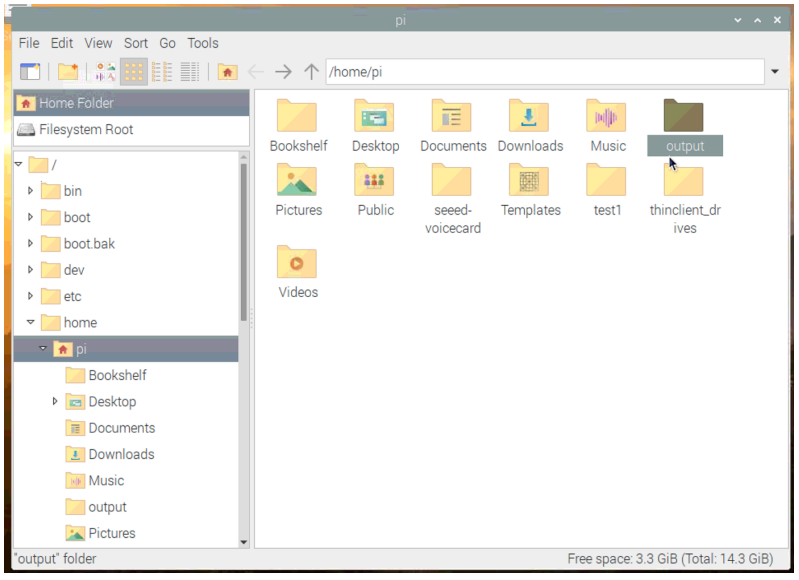
Then the graphical interface of Pi can be shown on PC.



4. Shared folders between Pi and PC

4.1 Specify a folder to share

Specify a folder in Pi in : /home, such as: /home/pi/output



4.2 Upload settings

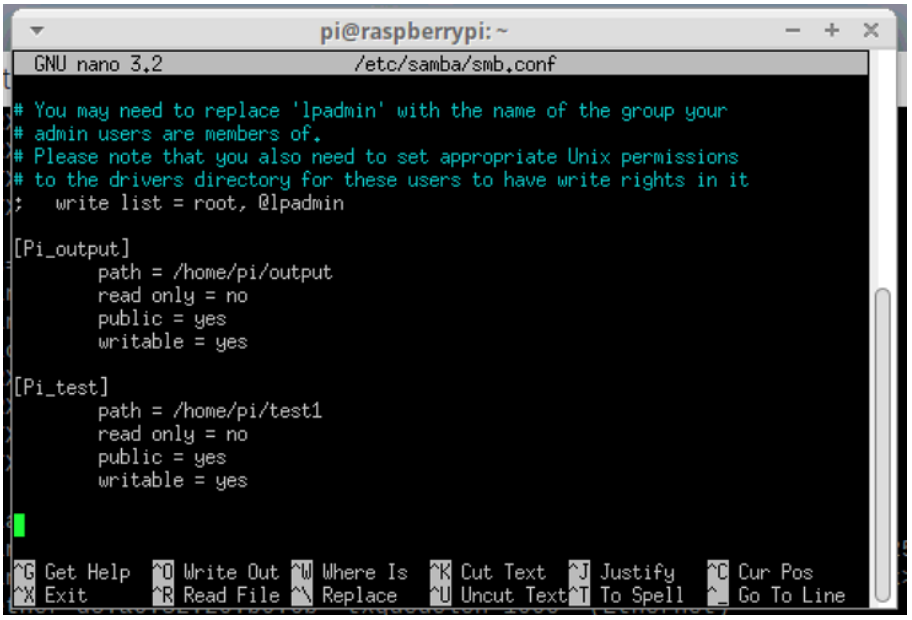
In Raspberry Pi, execute following commands:

sudo nano/etc/samba/smb.conf

In this config file, add following contents at the end of the file:

[Pi_output]
path = /home/pi/output
read only = no
public = yes
writable =yes

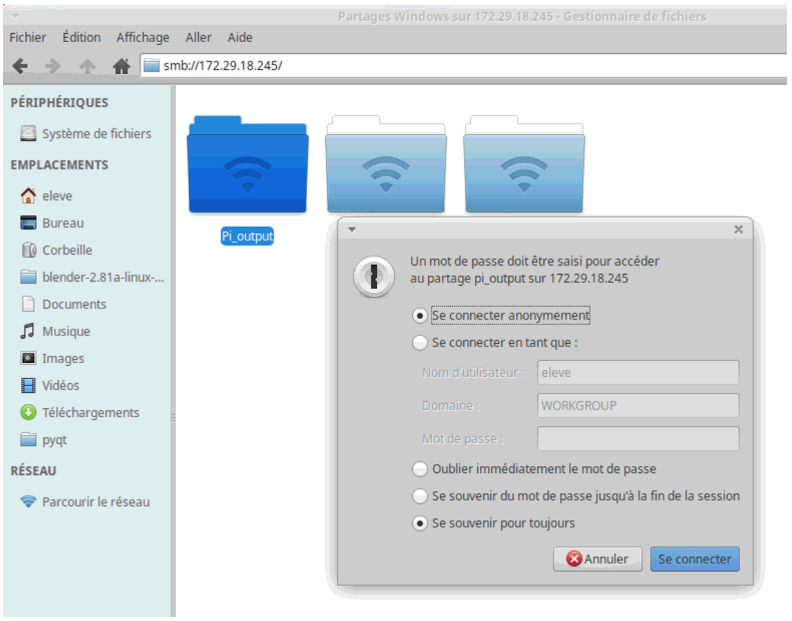
Then save and quit.



4.3 Check shared folders in PC

With the connection of PuTTY, open the network in the file management. find the ‘raspberry’ folder. This folder represents documents in Raspberry Pi. In ubuntu, input the file path with the ip address of Pi (e.g. 172.29.18.245):

smb://172.29.18.245



Open it, the shared folder ‘Pi_output’ can be found. The two folders are synchronized, any modification and deletion will take effect on both devices at the same time.