5. Static IP and hotspot mode

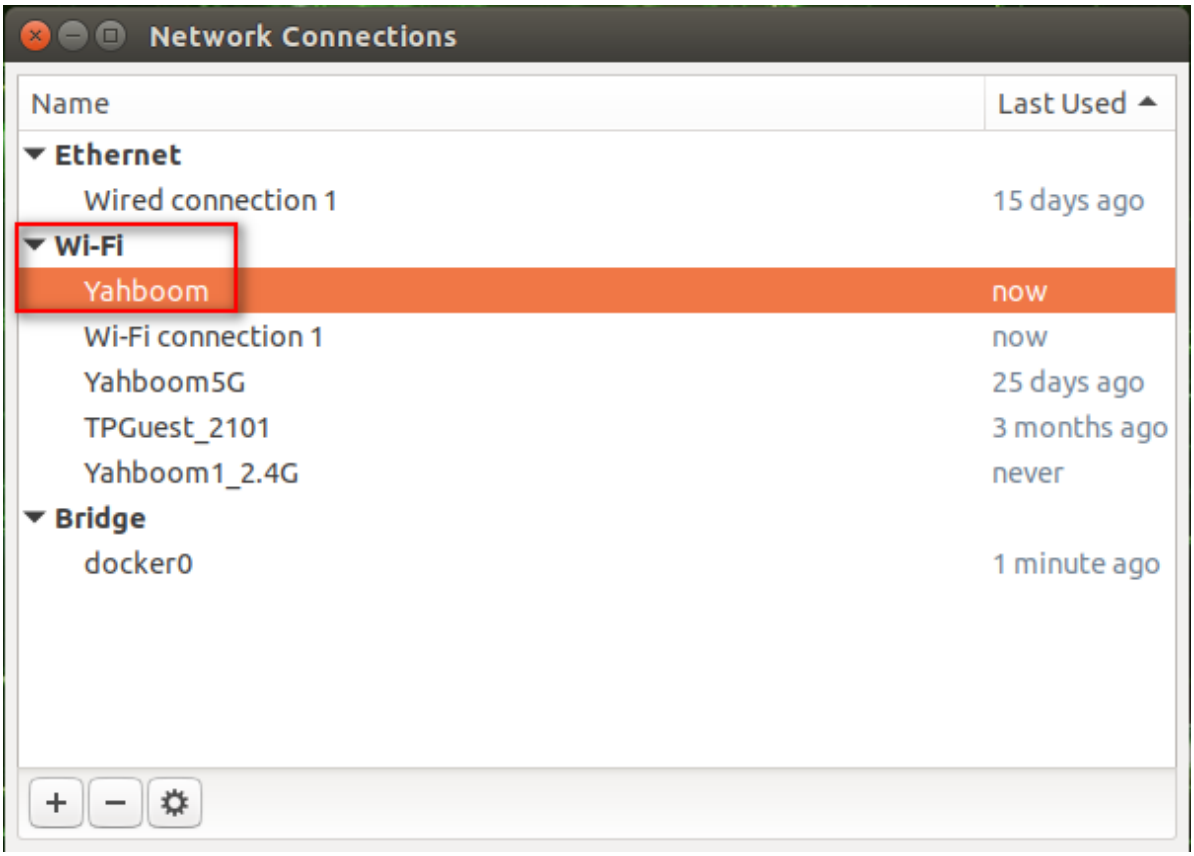
This section uses jetson nano as an example.

5.1. Static IP

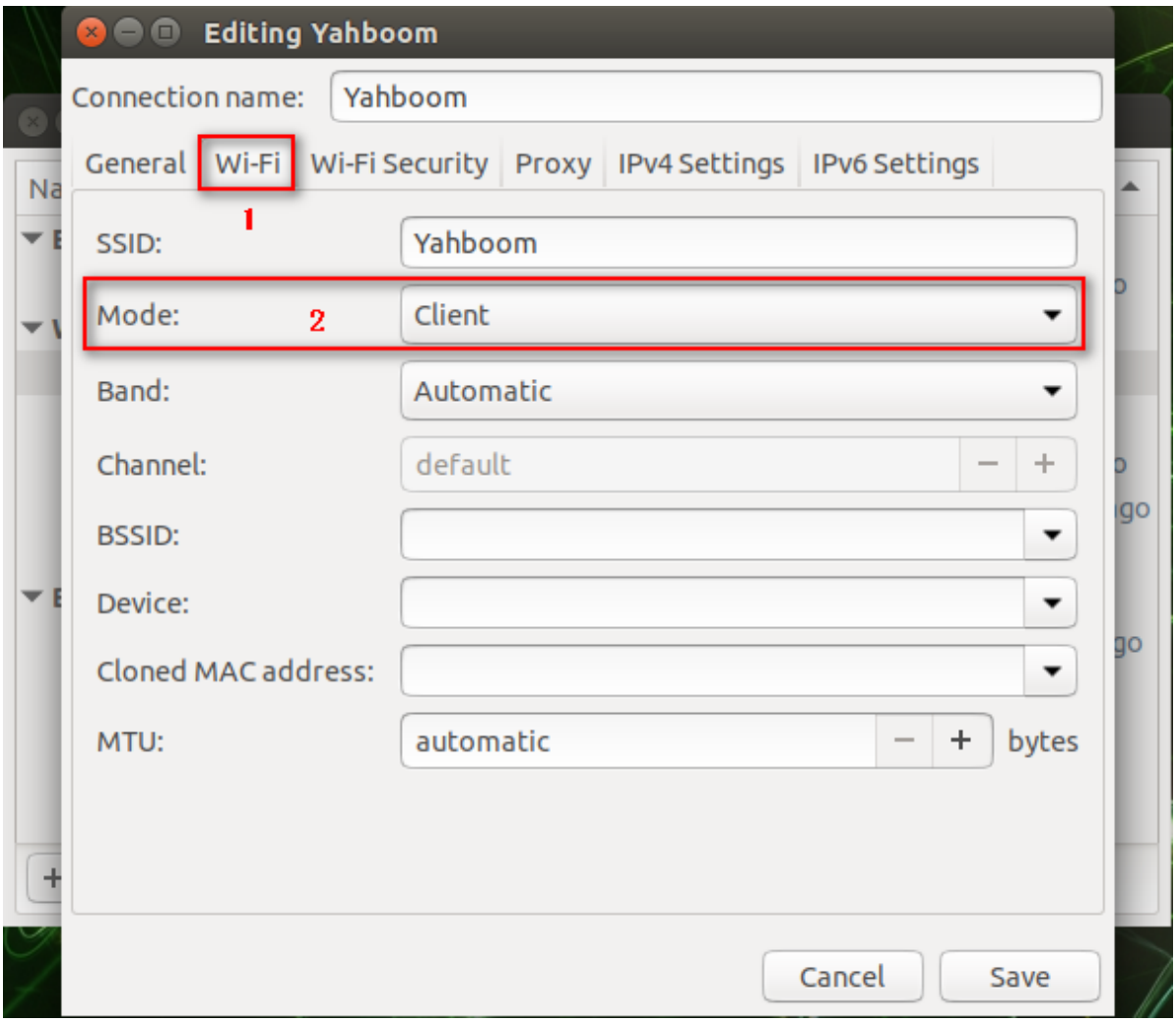
Terminal input,

```
nm-connection-editor
```

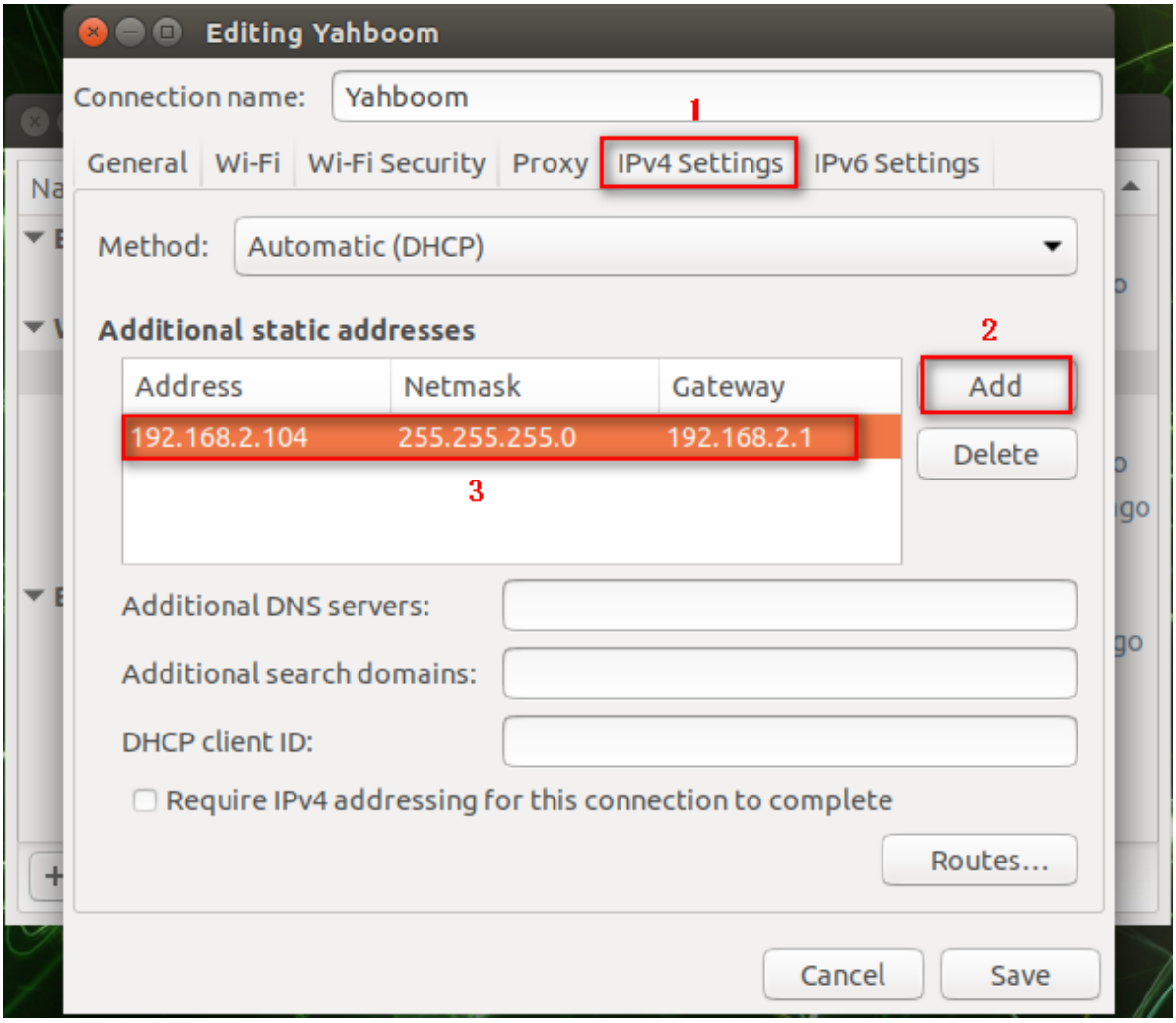
Double-click the connected Wi-Fi, here is [Yahboom].



In the [Wi-Fi] directory, select [Client] for [Mode].



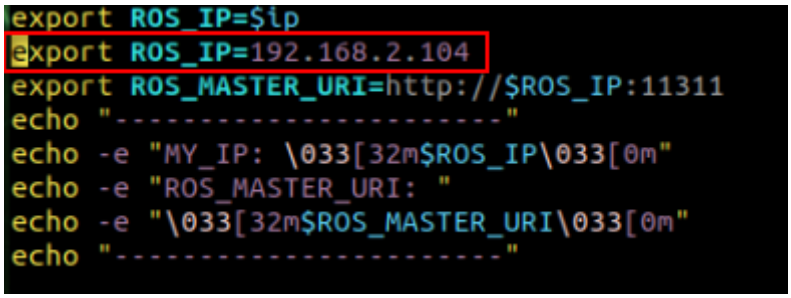
In the [IPv4 Settings] directory, click the [Add] icon, enter the IP as shown below, and finally click [save] to save.



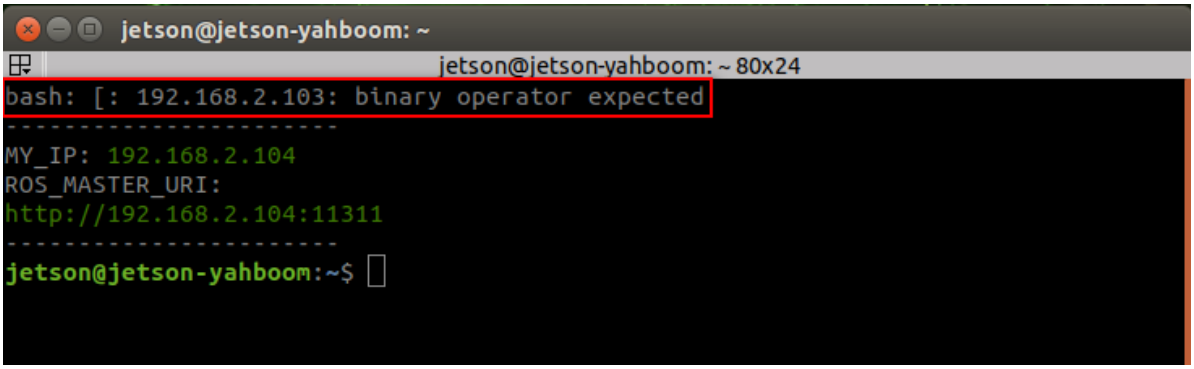
Modify the .bashrc file and enter the command

```
sudo vim ~/.bashrc
```

Set ROS_IP to the IP modified in the previous step, as shown in the figure below. Note; if you do not connect to this Wi-Fi, be sure to comment out the modified line (just add # in front).



When we newly open the terminal, [binary operator expected] appears, don't bother, it does not affect the use.

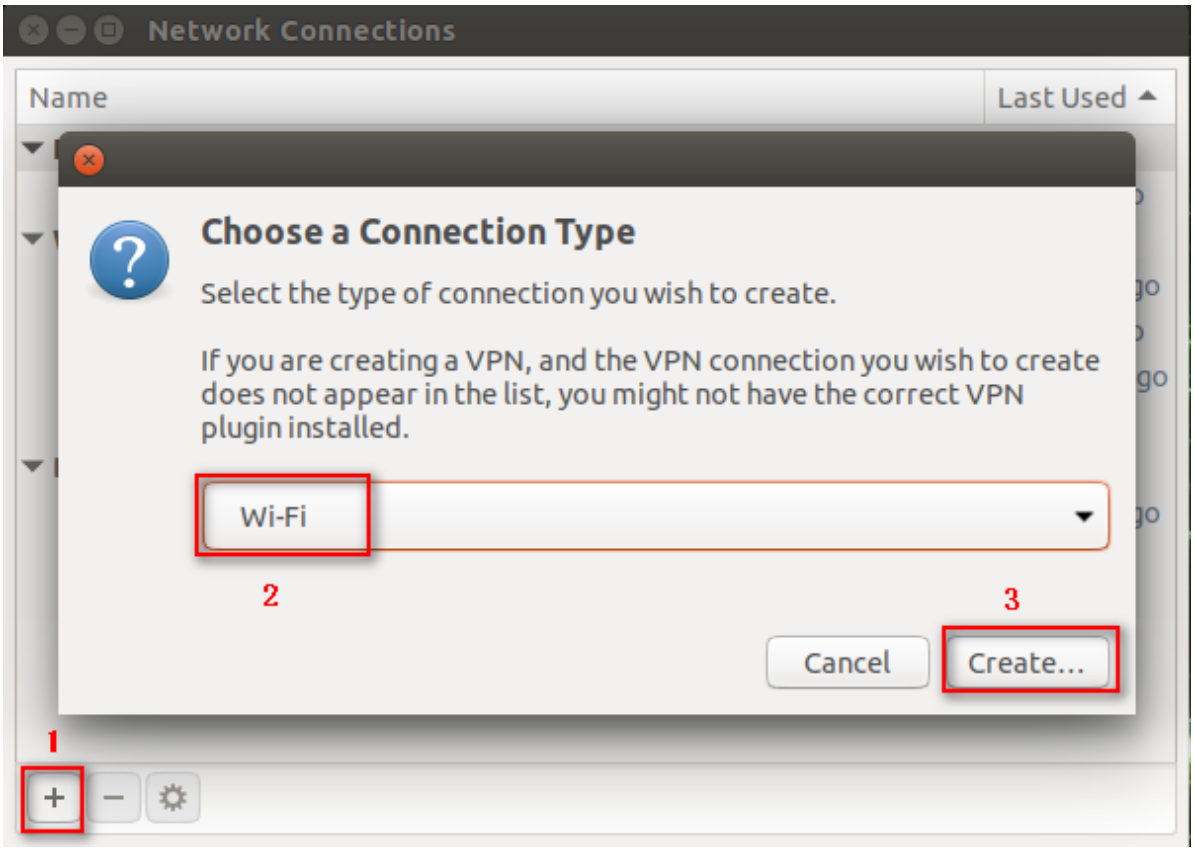


5.2. Hotspot mode

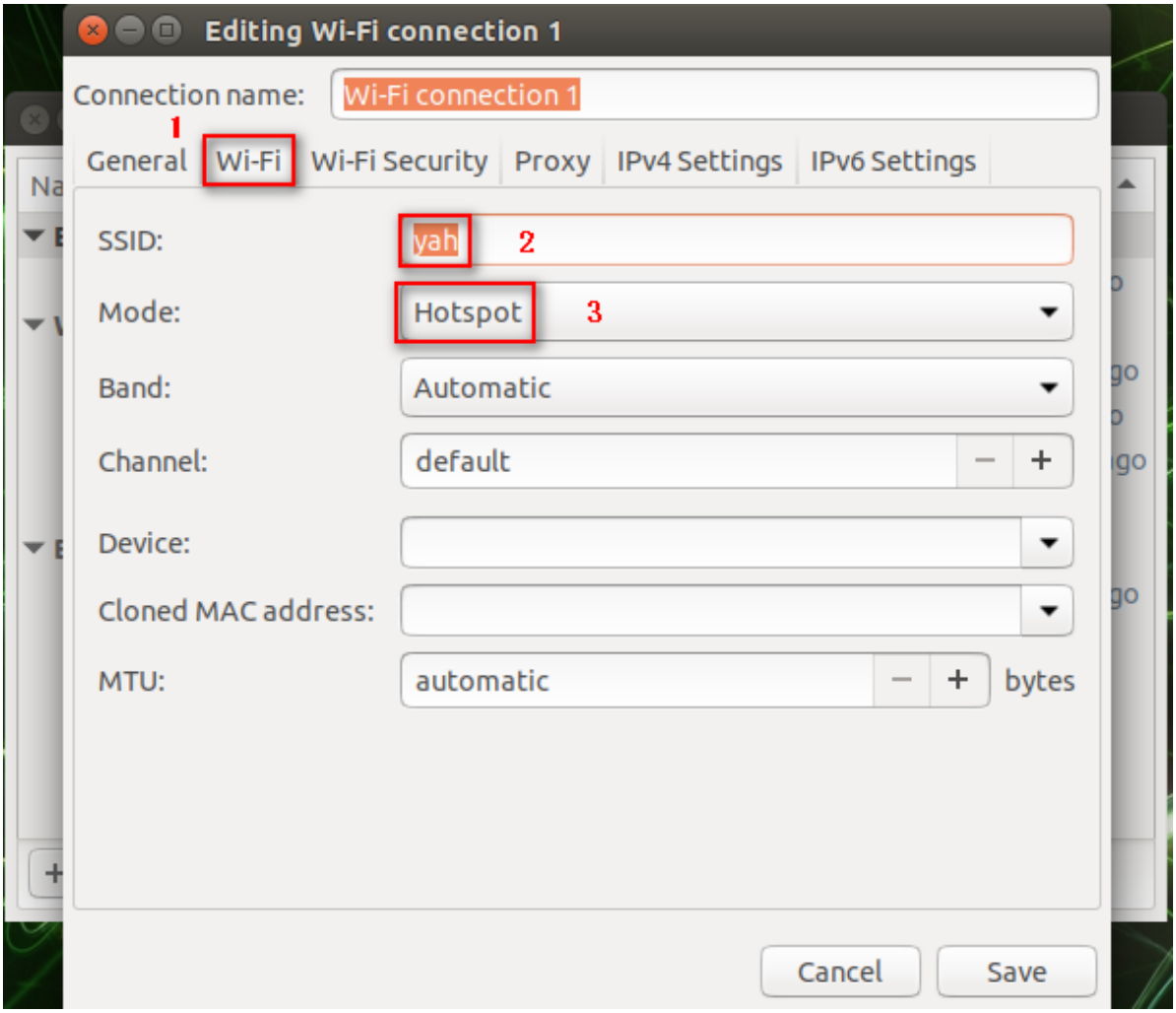
Terminal input,

```
nm-connection-editor
```

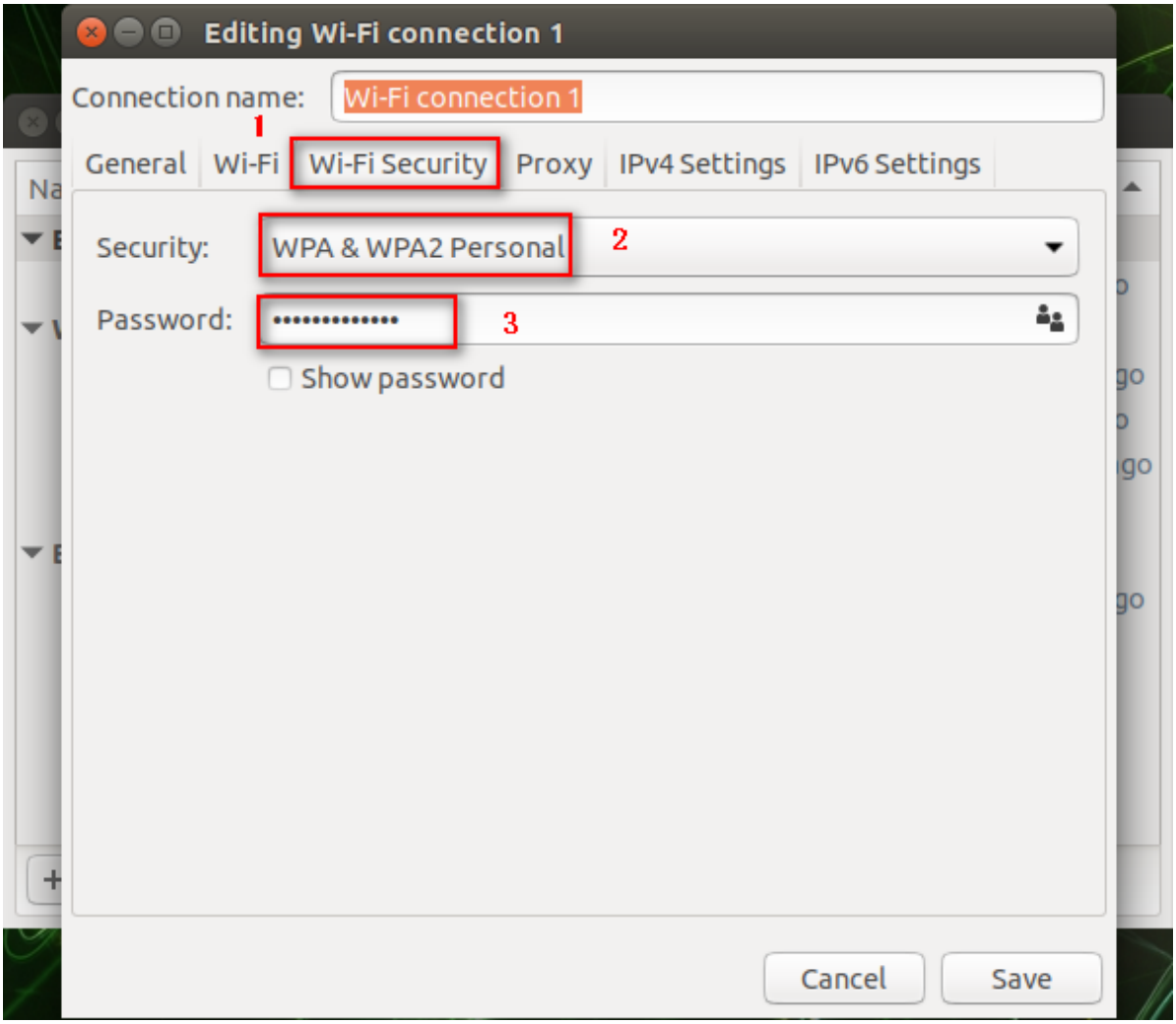
The frame as shown below will pop up, click [+] to select [Wi-Fi] mode, and click [Create...].



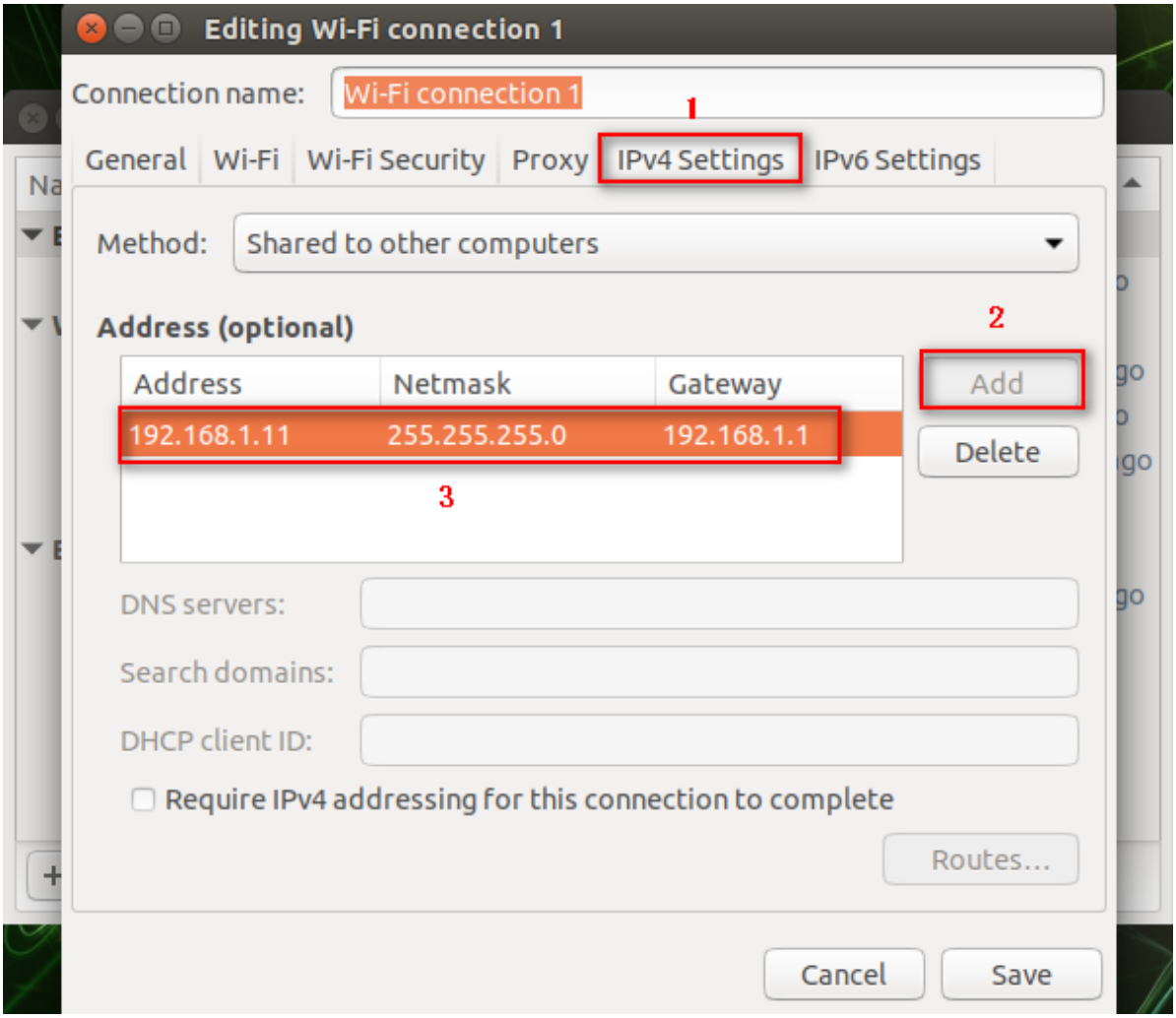
In the [Wi-Fi] directory, add [yah] in the [SSID] column and select [Hotspot] in the [Mode] column.



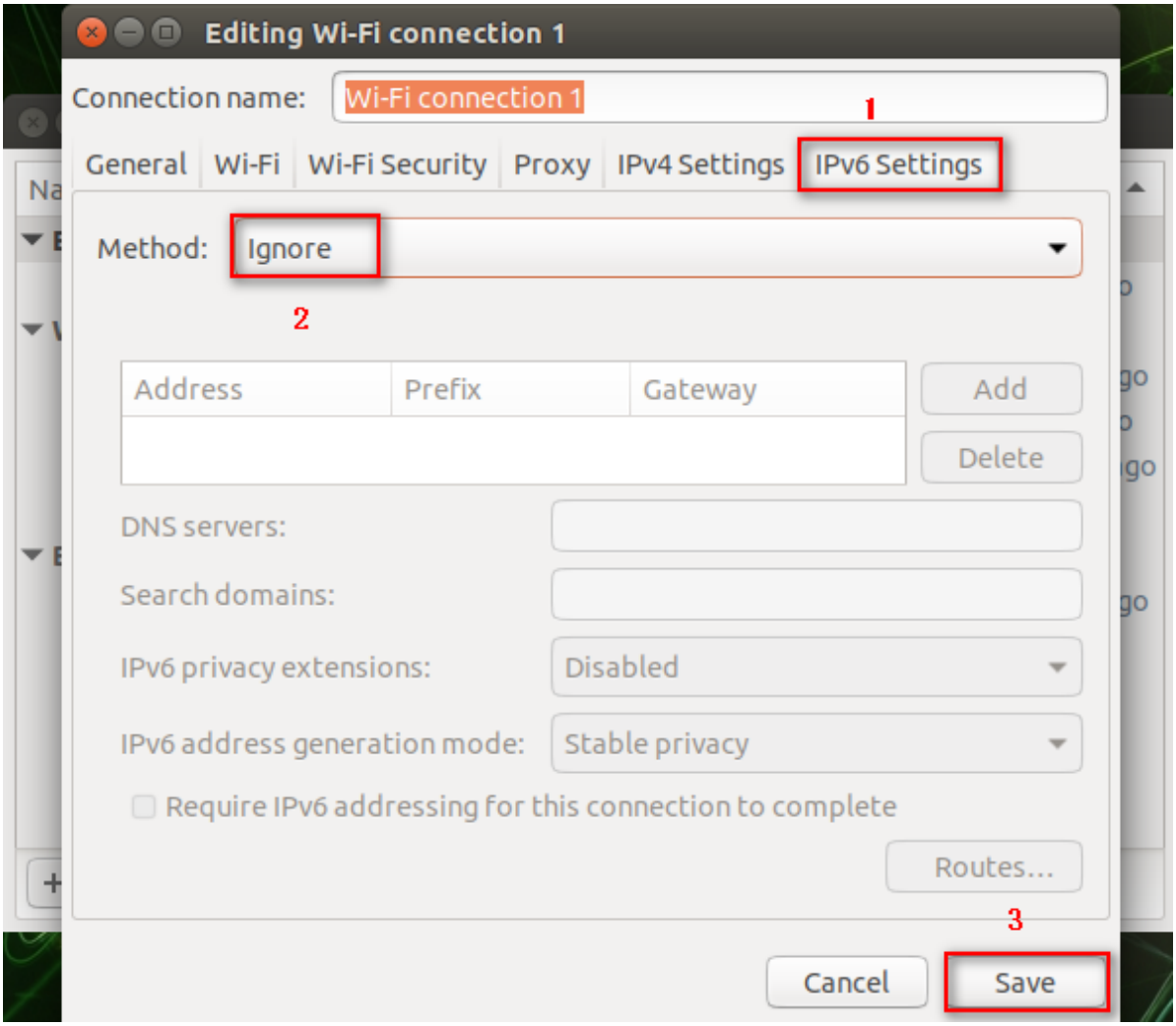
In the [Wi-Fi Security] directory, select [WPA & WPA2 Personal] in the [Security] column, and enter the password in the [Password] column.



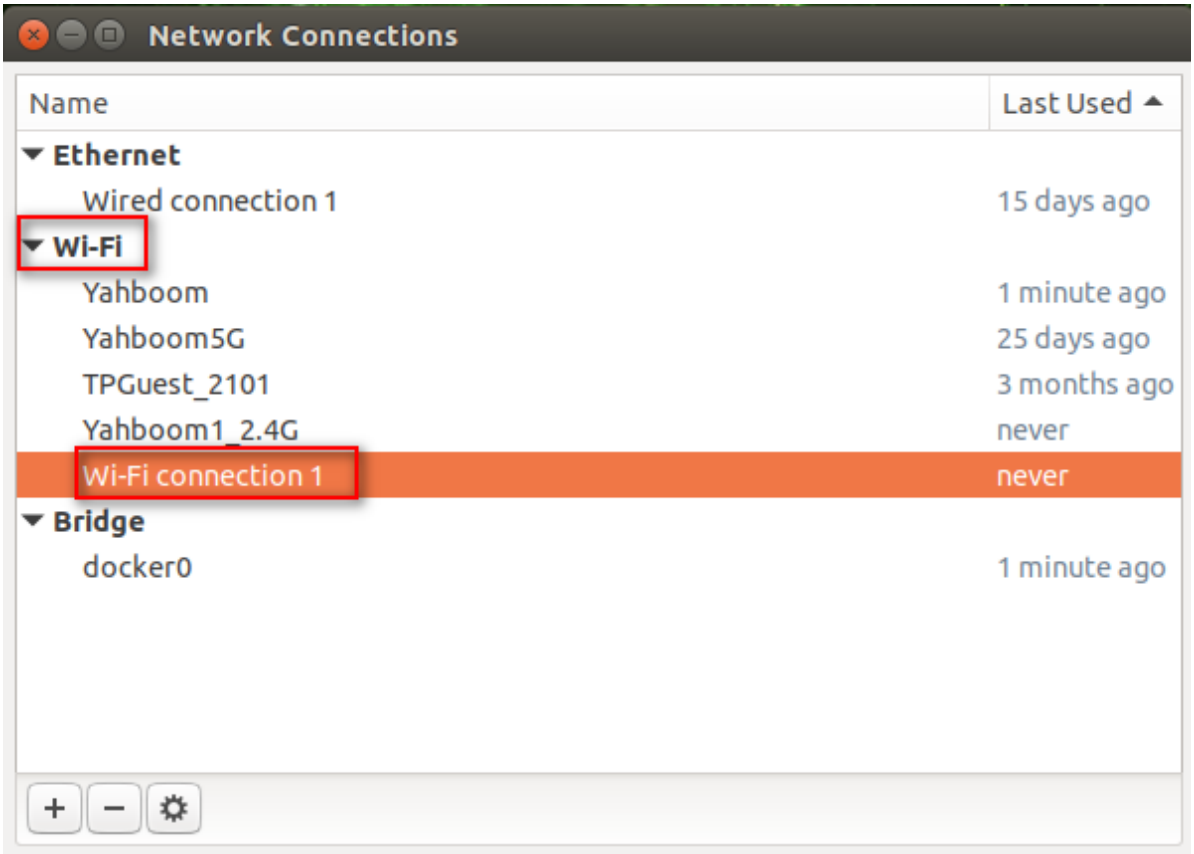
In the [IPv4 Settings] directory, click the [Add] icon, and enter the IP as shown below.



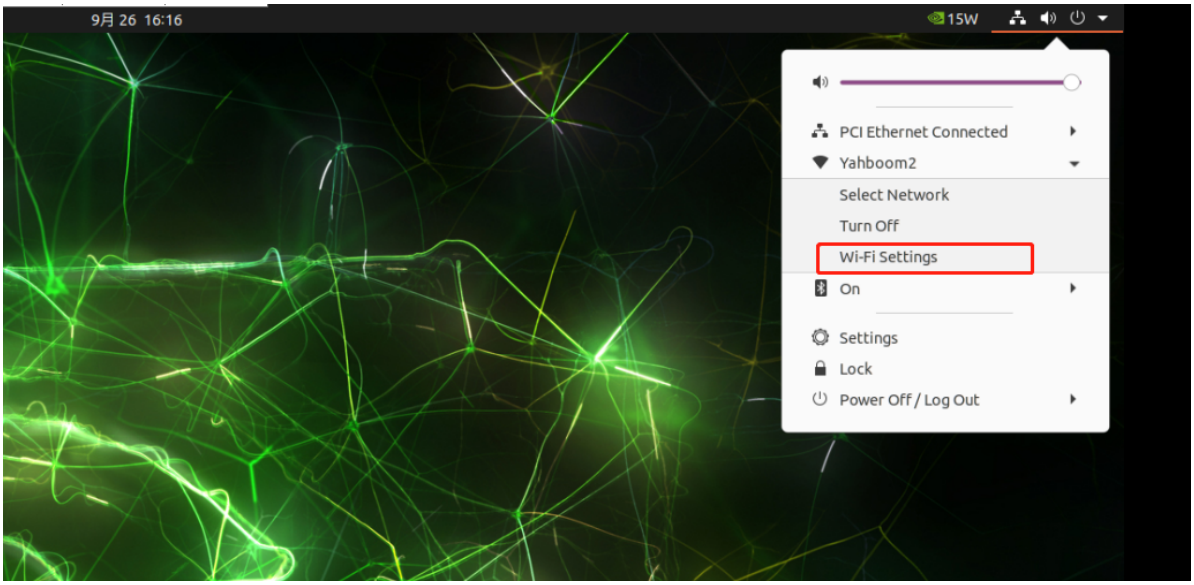
In the [IPv4 Settings] directory, select [Ignore] in the [Method] column, and finally click [Save] to save.

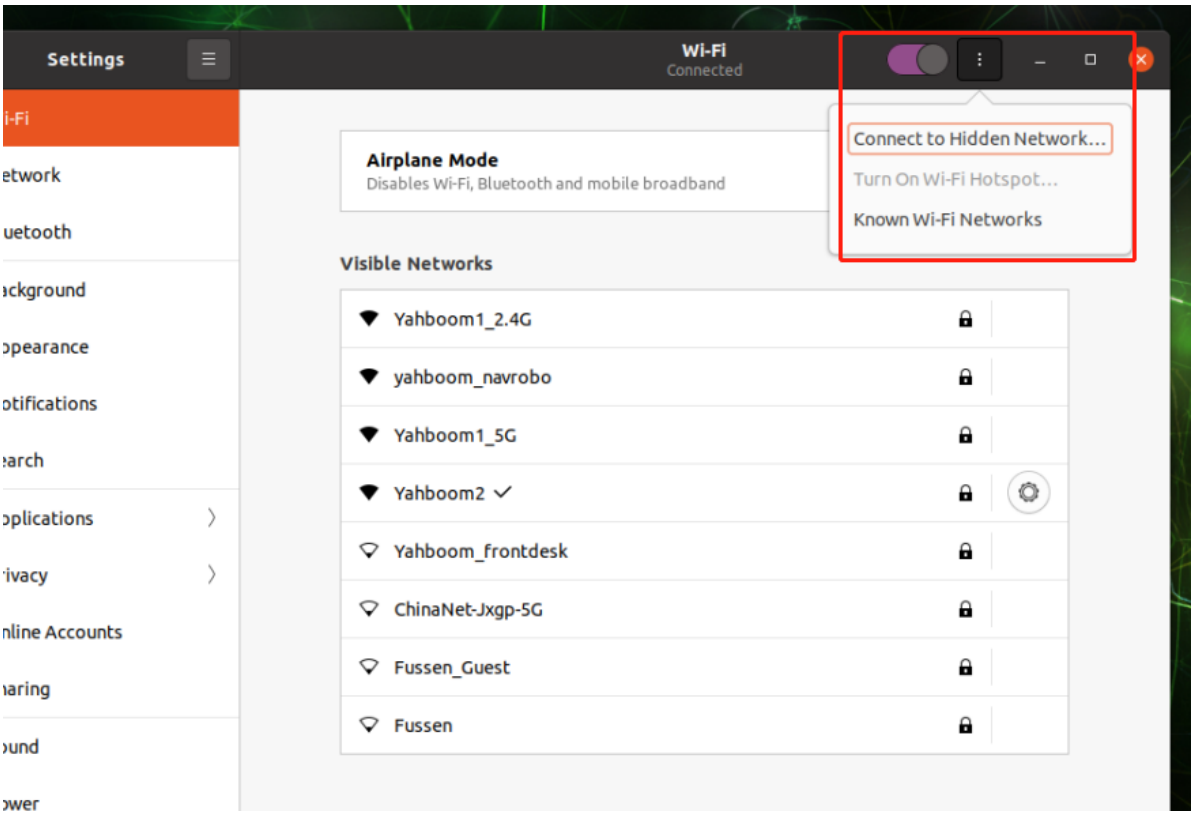


In the [Wi-Fi] mode, our newly created WIFI appears.



At this point, the new WIFI has been successfully created, and the next step is to connect the new WIFI. Follow the steps as shown below.





在弹出的对话框【Connections】栏Select the newly created WIFI [Wi-Fi connection 1] and click [Connect].


Connect to Hidden Wi-Fi Network
Hidden Wi-Fi network
Enter the name and security details of the hidden Wi-Fi network you wish to connect to.
Connection
Rosmaster
Network name
rosmaster
Wi-Fi security
WPA & WPA2 Personal
Password
Show password
Cancel
Connect