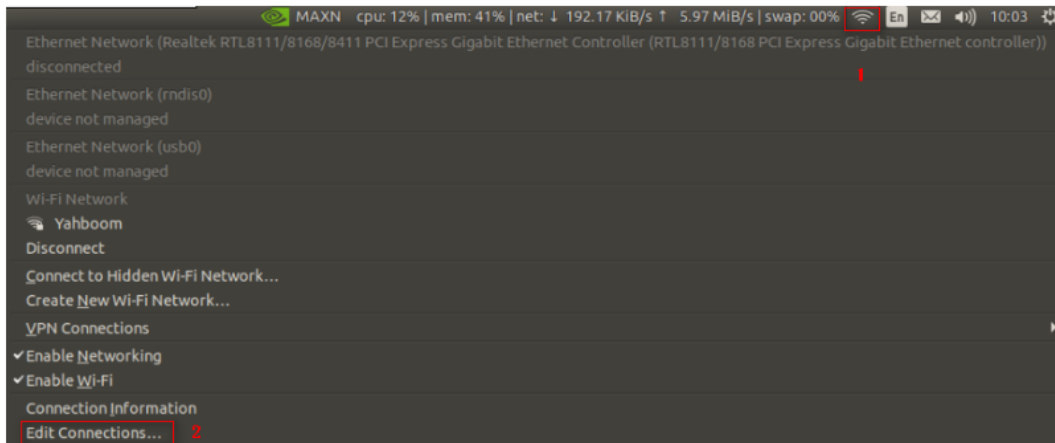


# 11.Static IP and hotspot mode

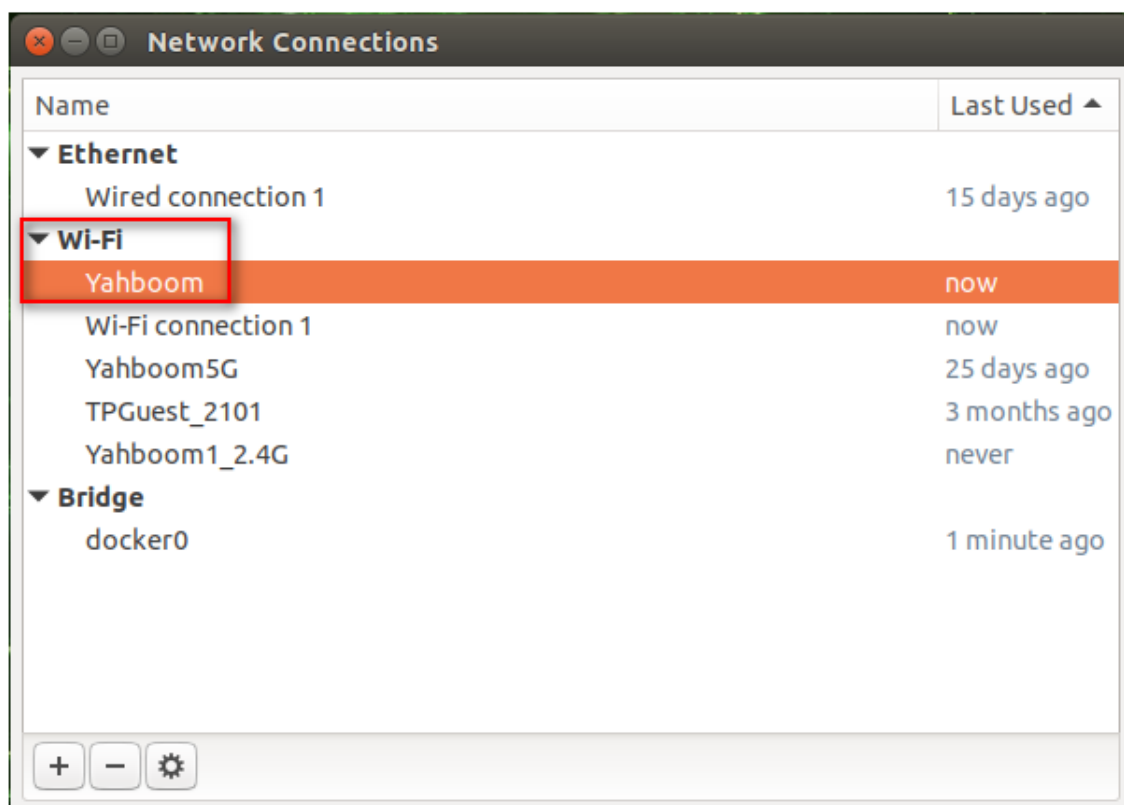
## 1. Static IP

Click the WiFi icon in the upper right corner of the system interface, and a frame as shown below will appear.

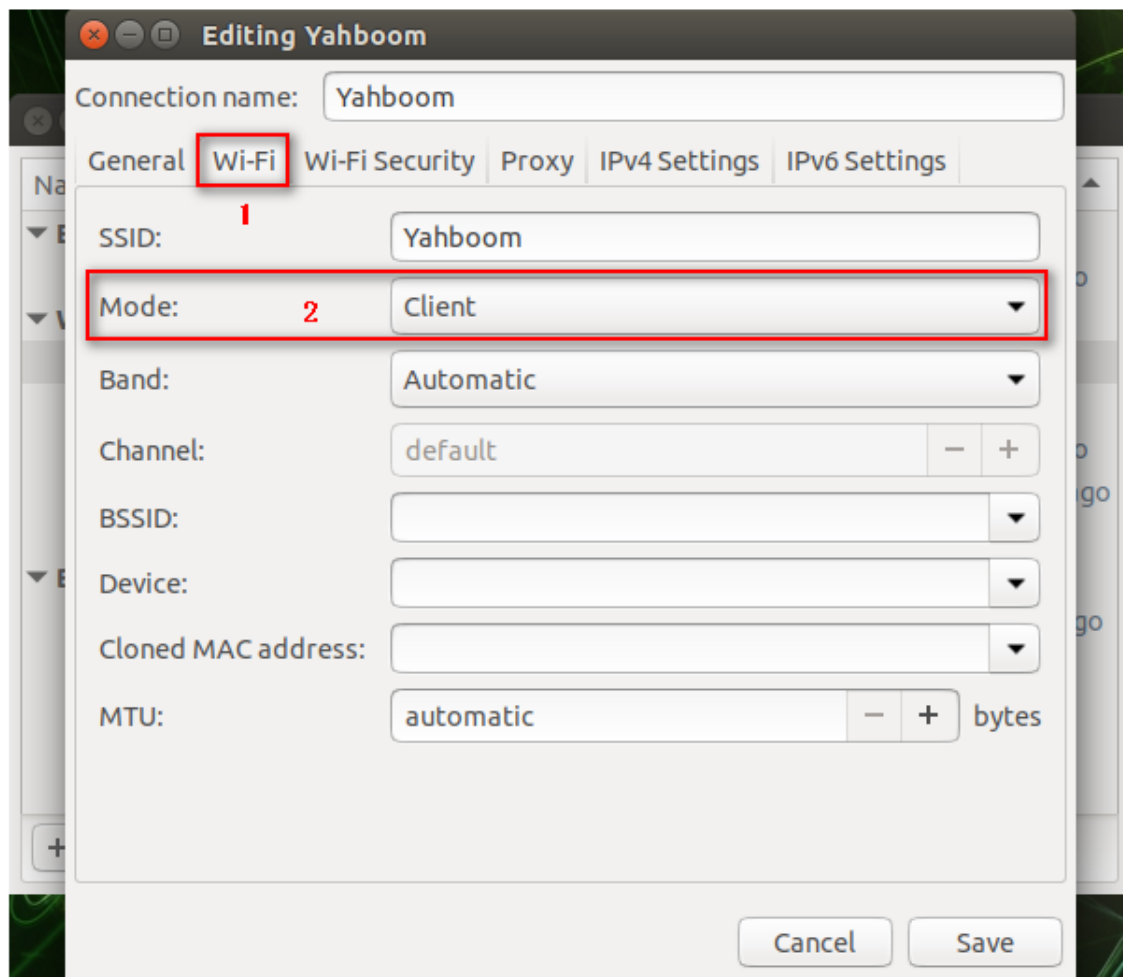
Click [Edit Connections...] at the bottom.



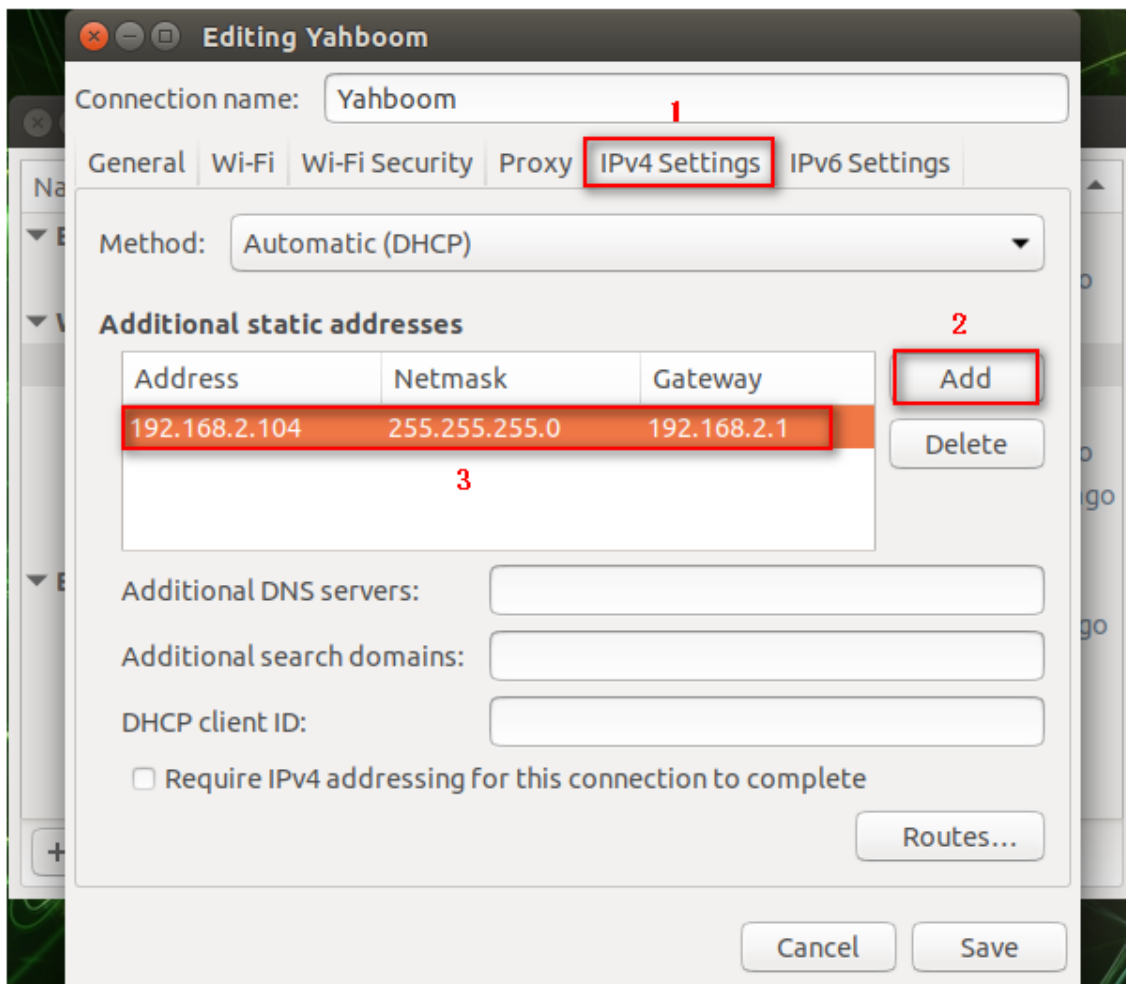
Double-click the connected Wi-Fi, here is [Yahboom].



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



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



Input following command to modify the .bashrc file,

```
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).

```
export ROS_IP=$ip
export ROS_IP=192.168.2.104
export ROS_MASTER_URI=http://$ROS_IP:11311
echo "-----"
echo -e "MY_IP: \033[32m$ROS_IP\033[0m"
echo -e "ROS_MASTER_URI: "
echo -e "\033[32m$ROS_MASTER_URI\033[0m"
echo "-----"
```

When we newly open the terminal, 【binary operator expected】 appears.

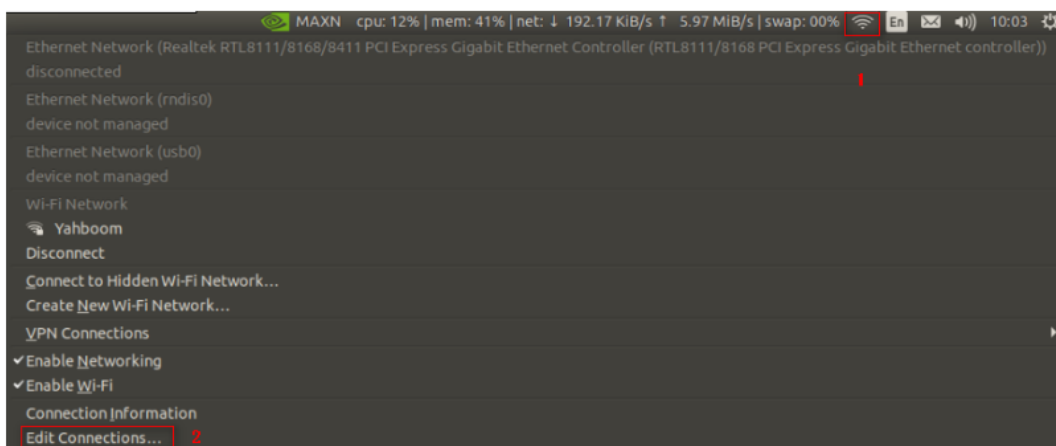
Don't pay attention to it. It does not affect use.

```
jetson@jetson-yahboom: ~  
jetson@jetson-yahboom: ~ 80x24  
bash: [: 192.168.2.103: binary operator expected  
-----  
MY_IP: 192.168.2.104  
ROS_MASTER_URI:  
http://192.168.2.104:11311  
-----  
jetson@jetson-yahboom:~$
```

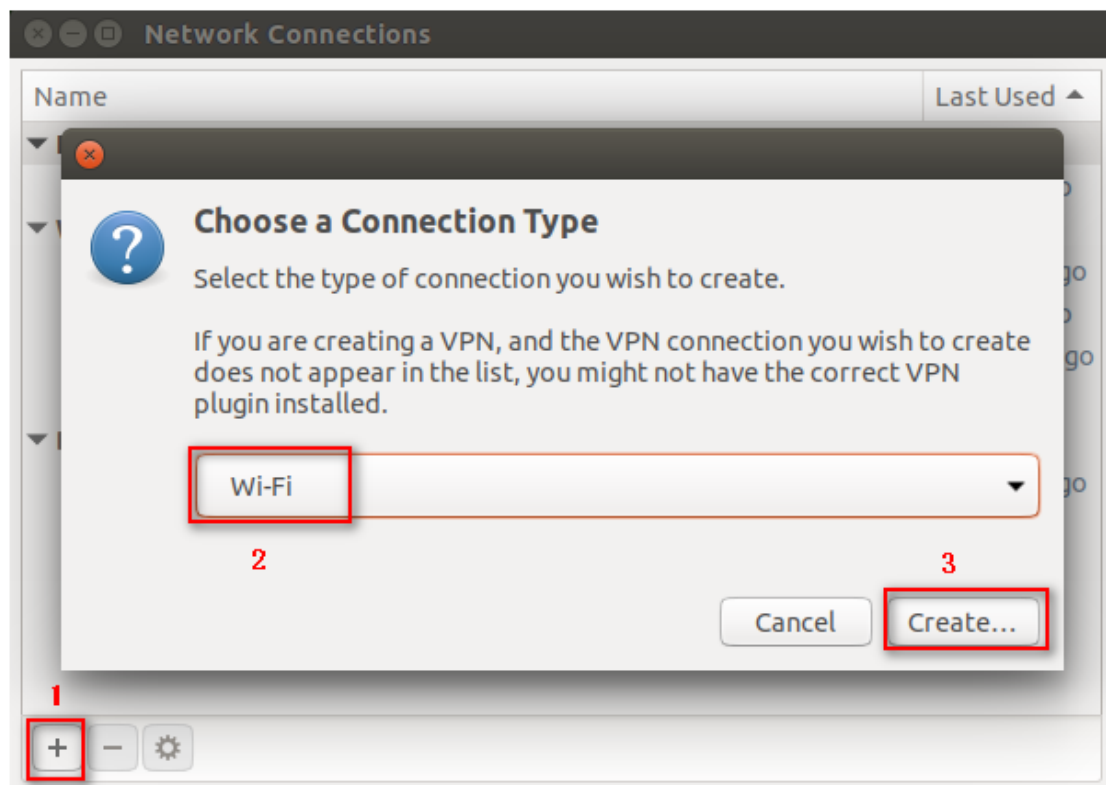
## 2. Hotspot mode

Click the WiFi icon in the upper right corner of the system interface, and a frame as shown below will appear.

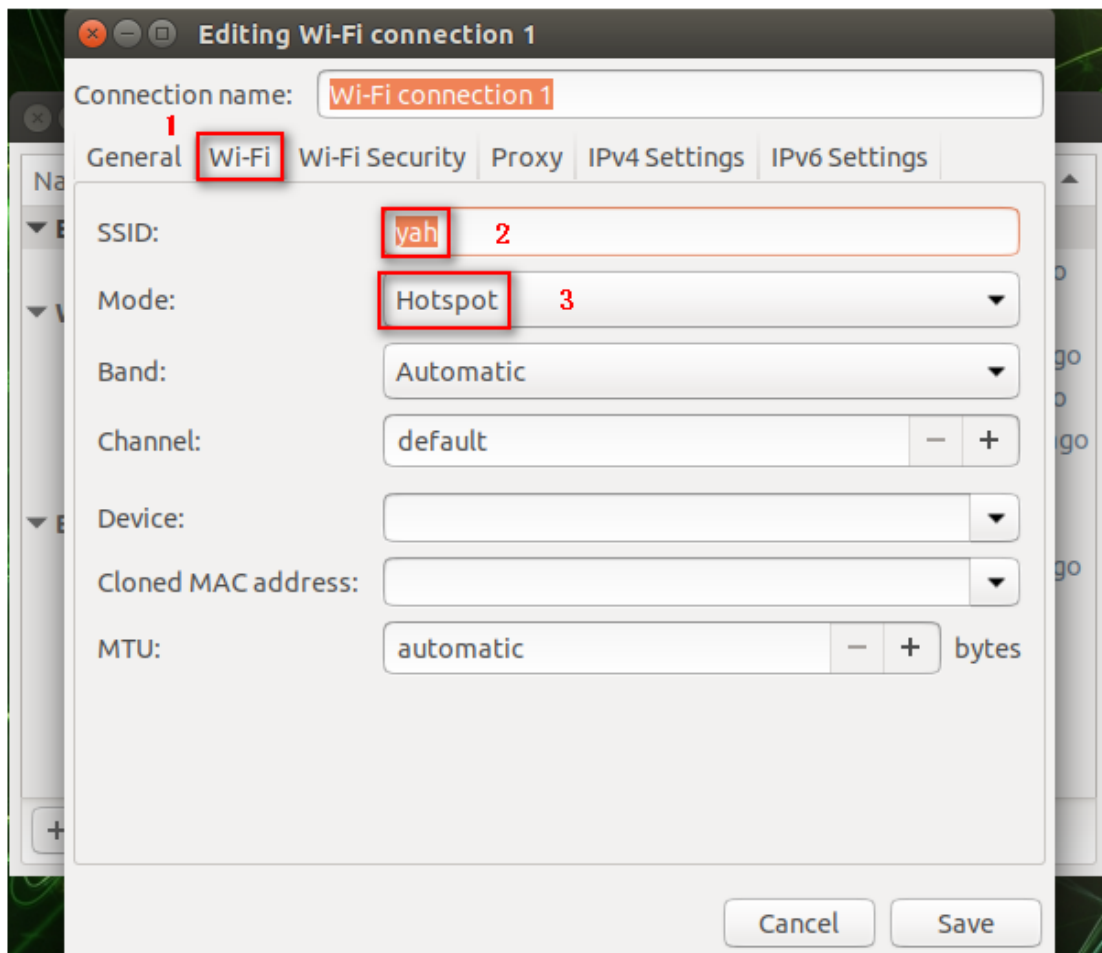
Click [Edit Connections...] at the bottom.



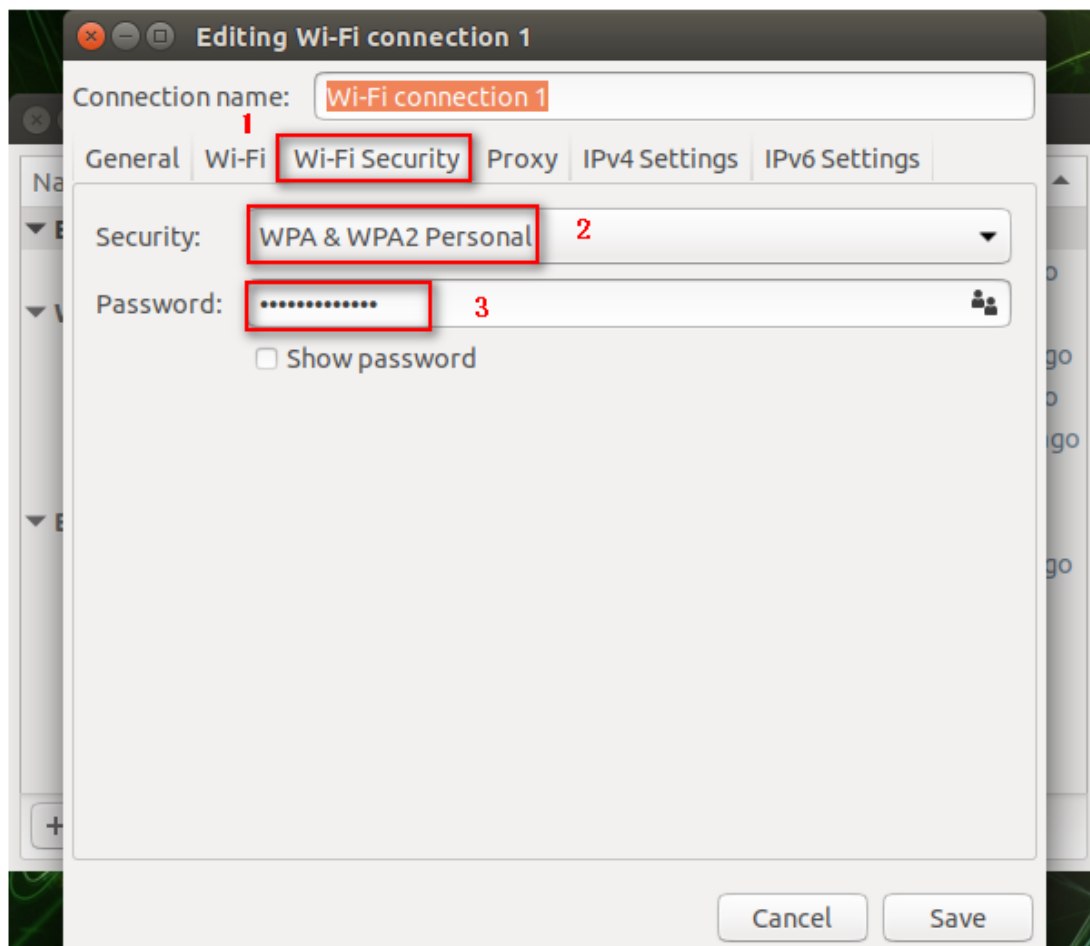
The frame as shown below will pop up, click [+] to select [Wi-Fi] mode, and click [Create...].



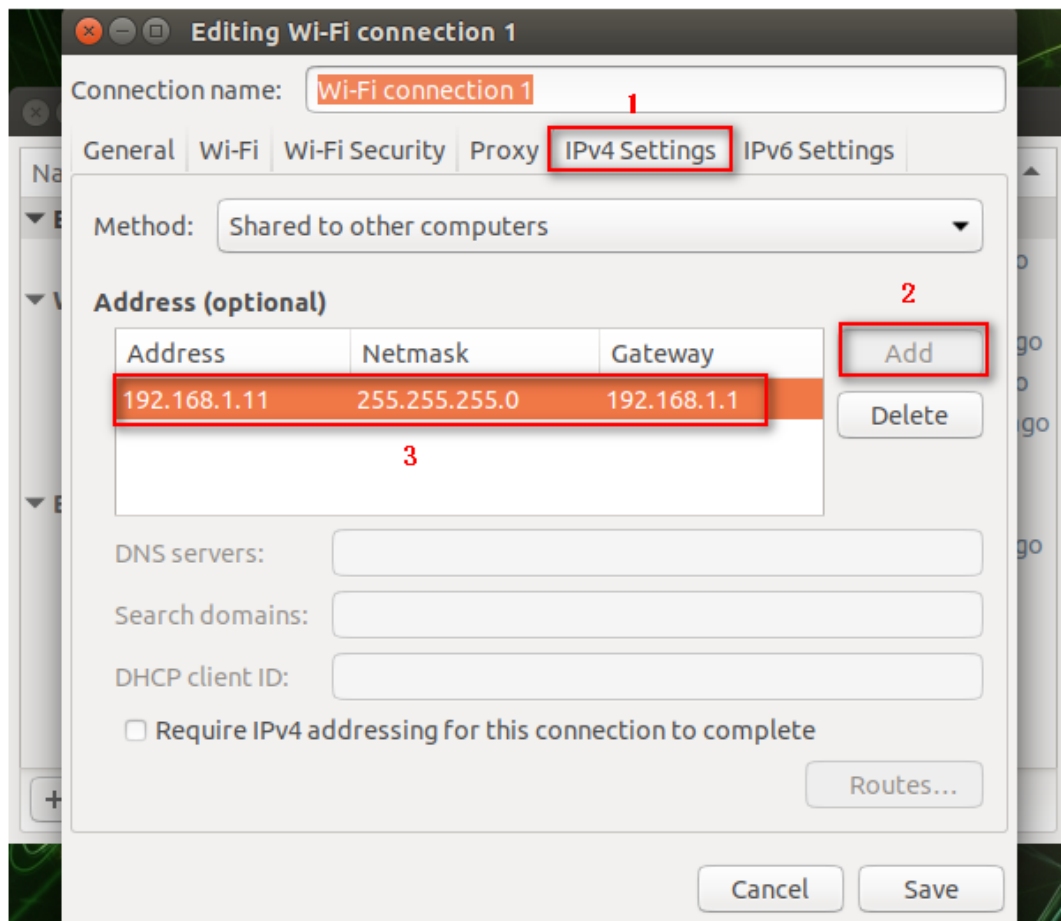
In the [Wi-Fi] directory, add [yah] in the [SSID] column and select [Hotspot] in the [Mode] column.



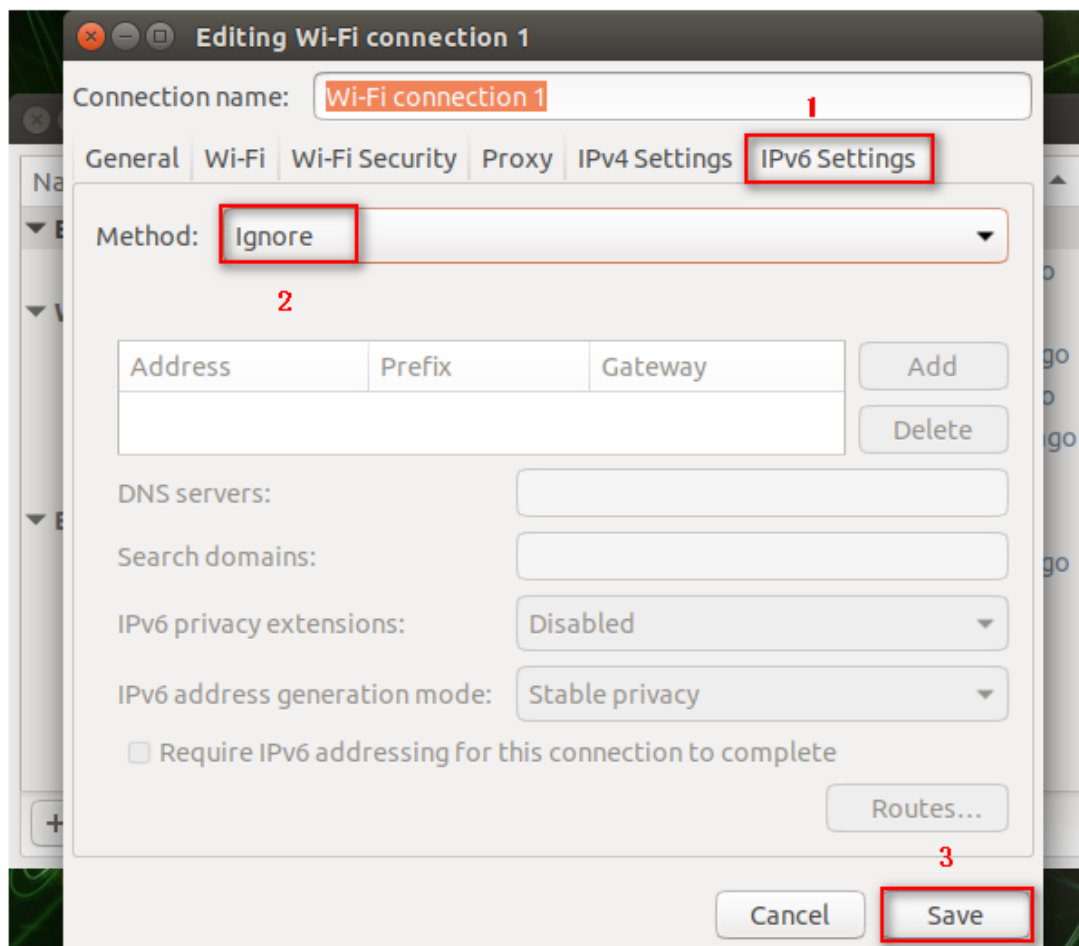
In the [Wi-Fi Security] directory, select [WPA & WPA2 Personal] in the [Security] column, and enter the password in the [Password] column.



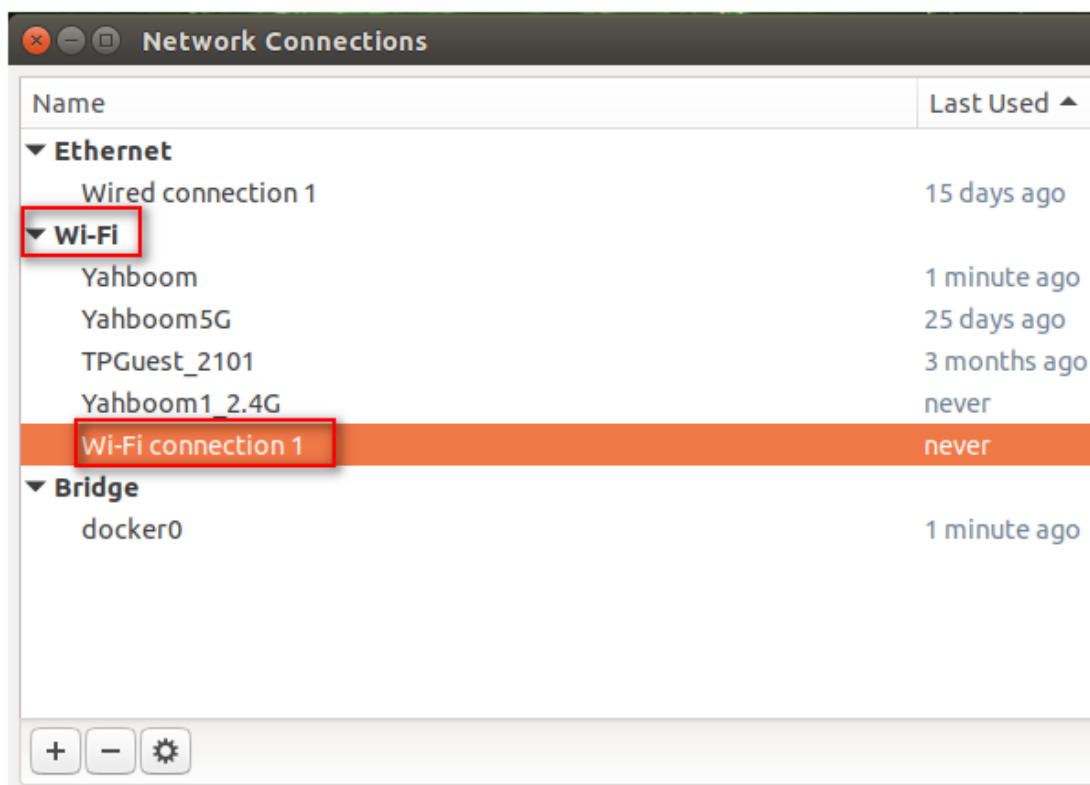
In the [IPv4 Settings] directory, click the [Add] icon and enter the IP as shown in the figure below.



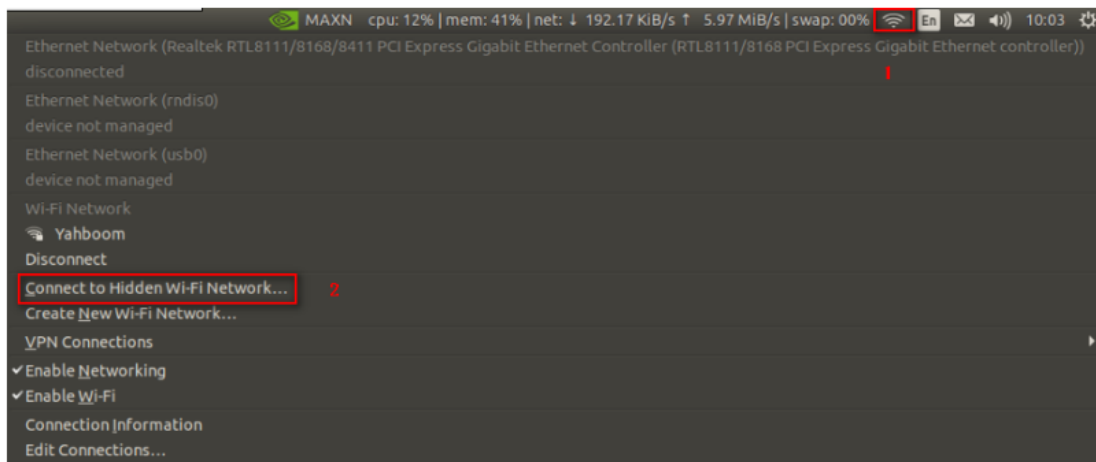
In the [IPv4 Settings] directory, select [Ignore] in the [Method] column, and finally click [Save] to save.



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



At this point, the new WIFI has been successfully created. Next, connect to the new WIFI. Follow the steps below.



Select the newly created WIFI [Wi-Fi connections 1] in the [Connections] column of the pop-up dialog box, and click [Connect].

