Setup of Raven-Client

BIOS setup

While Starting Machine go to BIOS setup

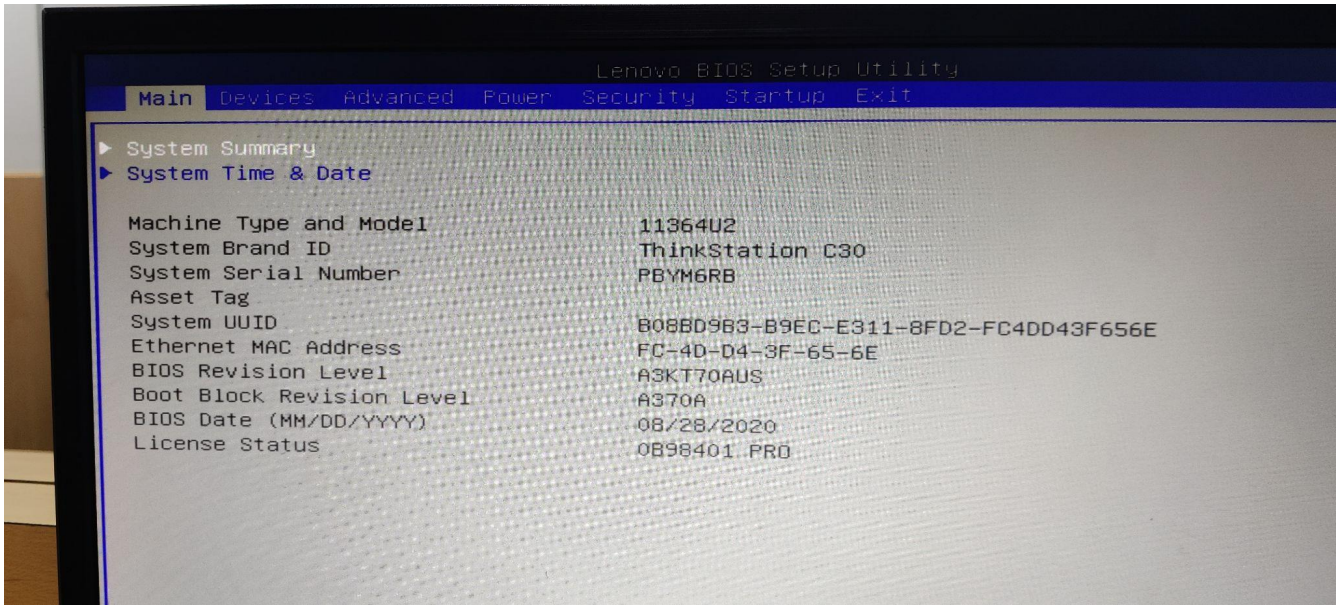
Step 1: Go to bios setup

Go to bios setup using F12 Key while starting machine

You will get below screen

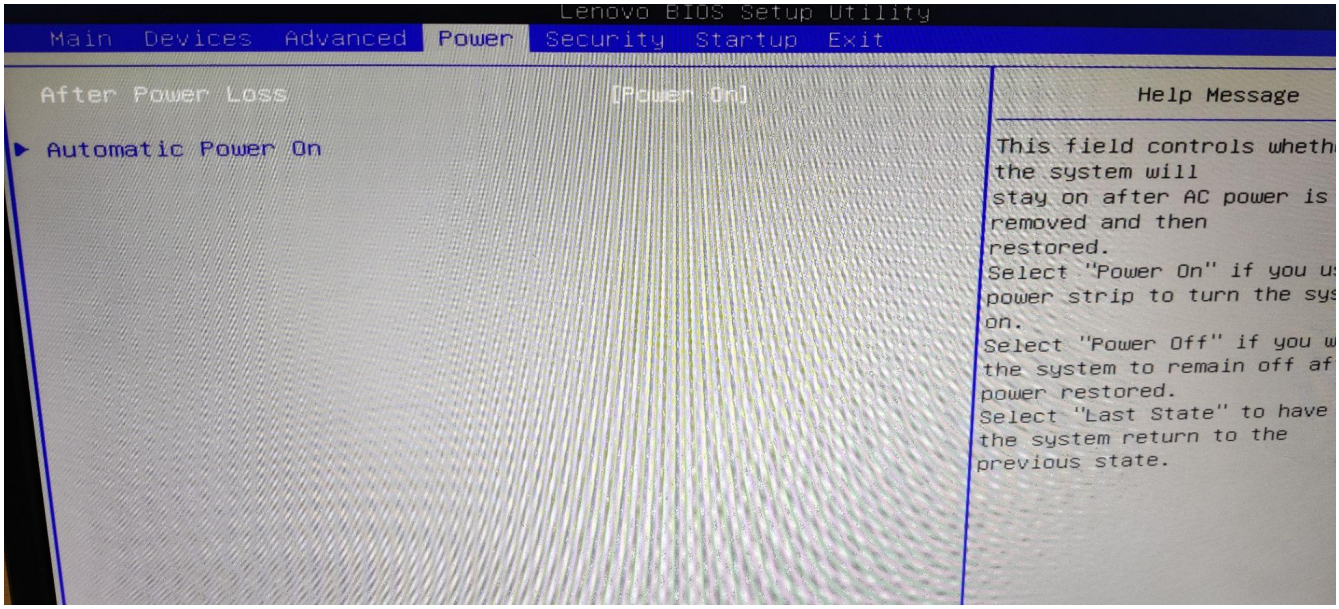
Select Enter Setup

Now you will see below screen screen



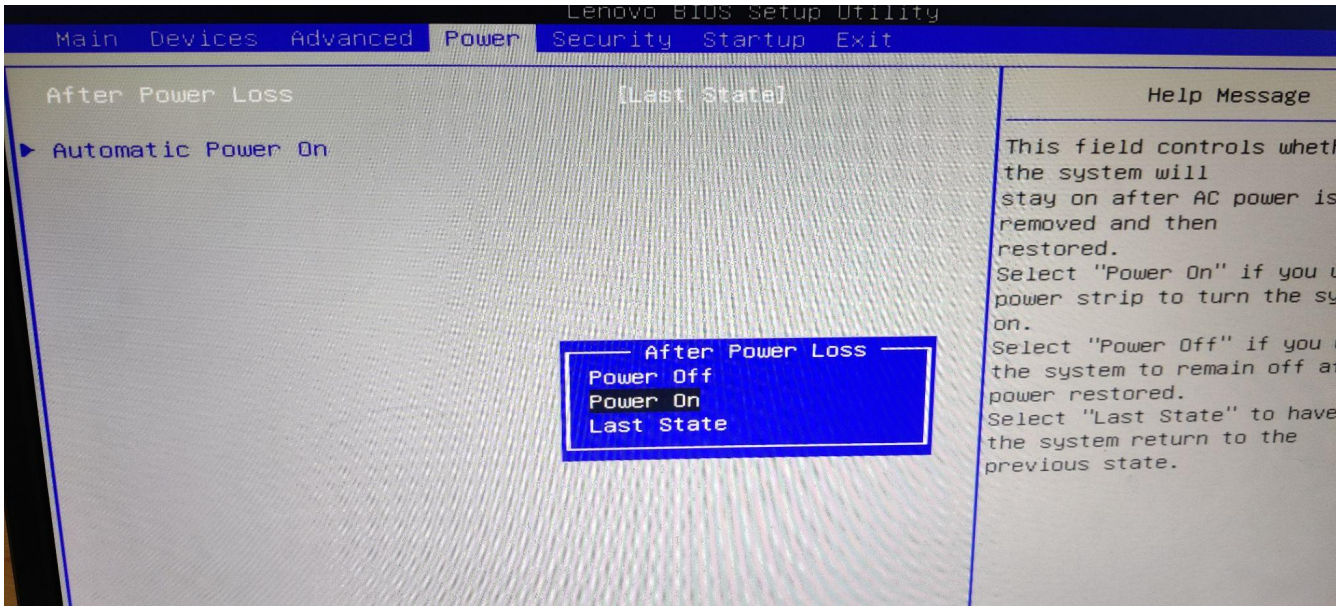
Step2: go to power

Go to power tab *using arrow keys*

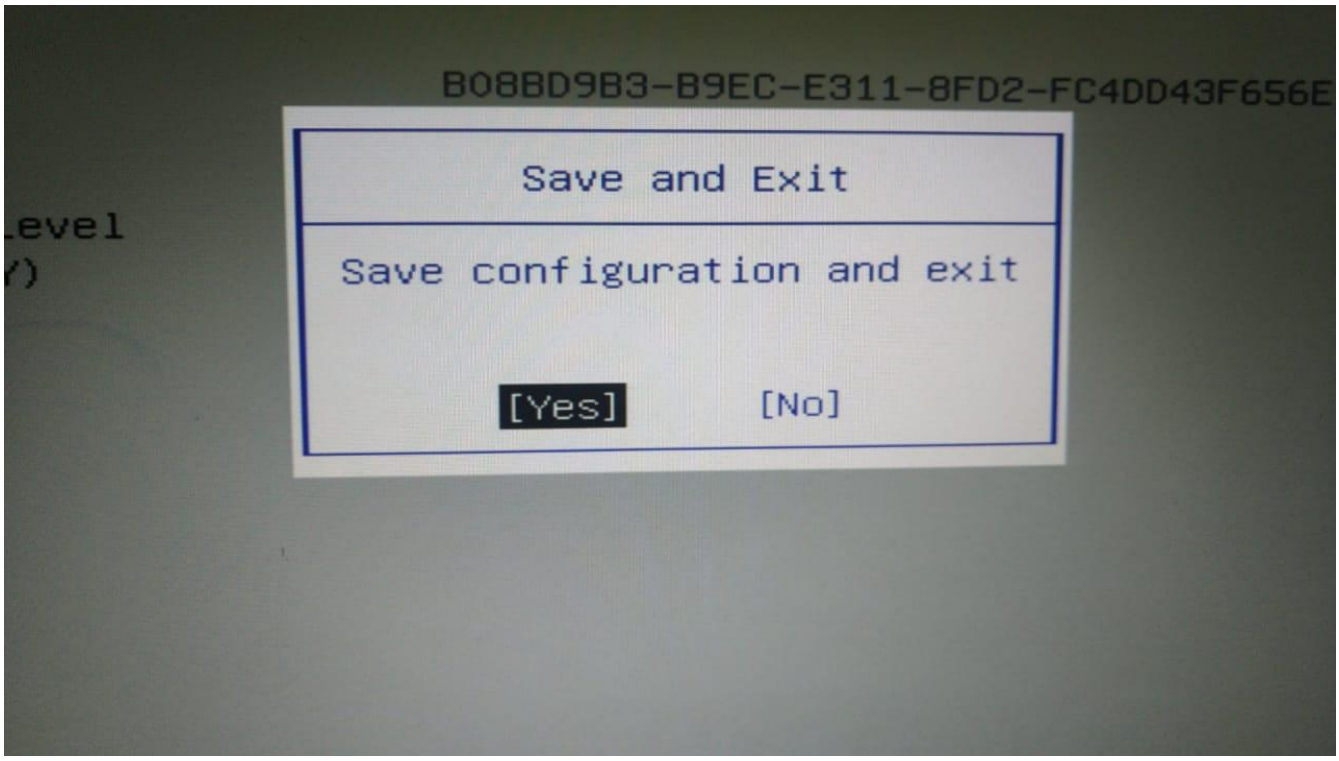


Step3: set automatic power on

Set After power Loss to ***POWER ON*** status.



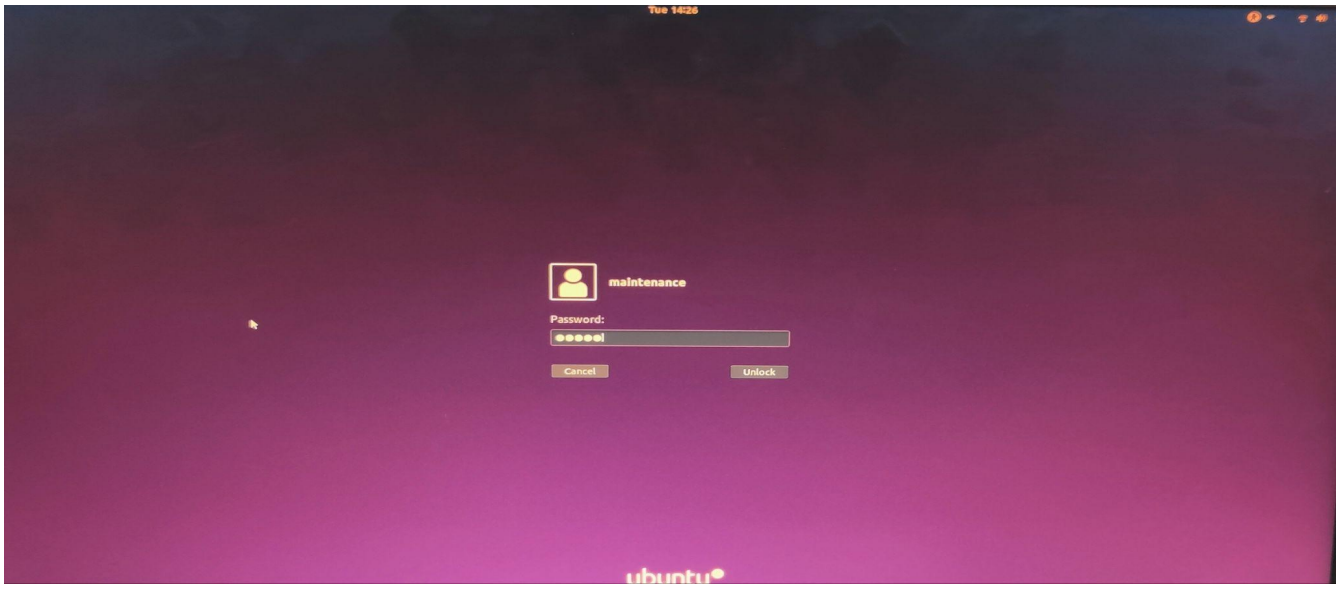
Then Press F10
Select Yes
Press Enter



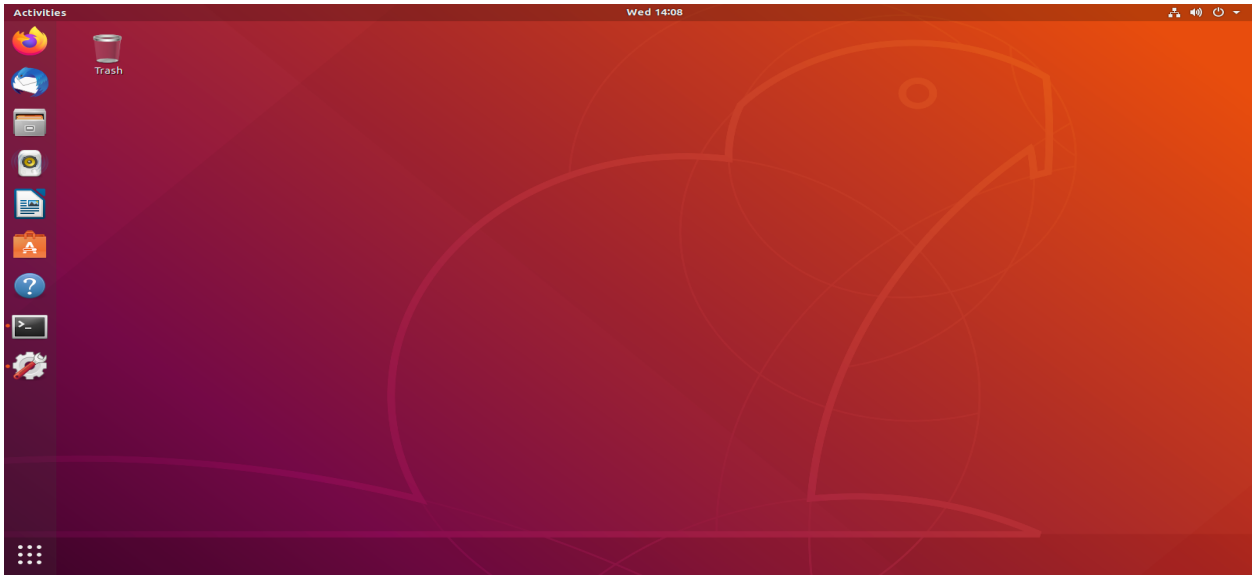
Raven Setup Steps

Step 1: Login to maintenance User

- After Installation of ISO check your LAN for cam access and Wifi Devices physically connected to your Edge device or not.
- You will see Login user screen as shown below you just have enter **password** and press **Enter** to login to **maintenance** user (make sure that you have to enter maintenance user)

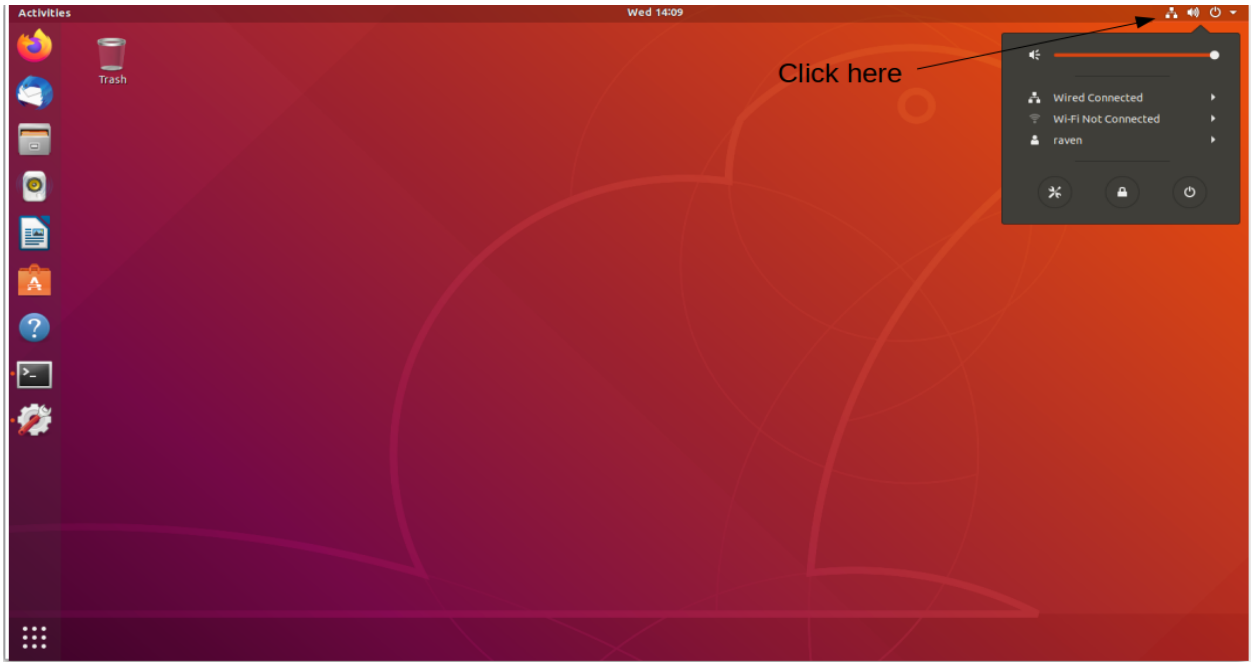


- Now you will see this Home Screen Below



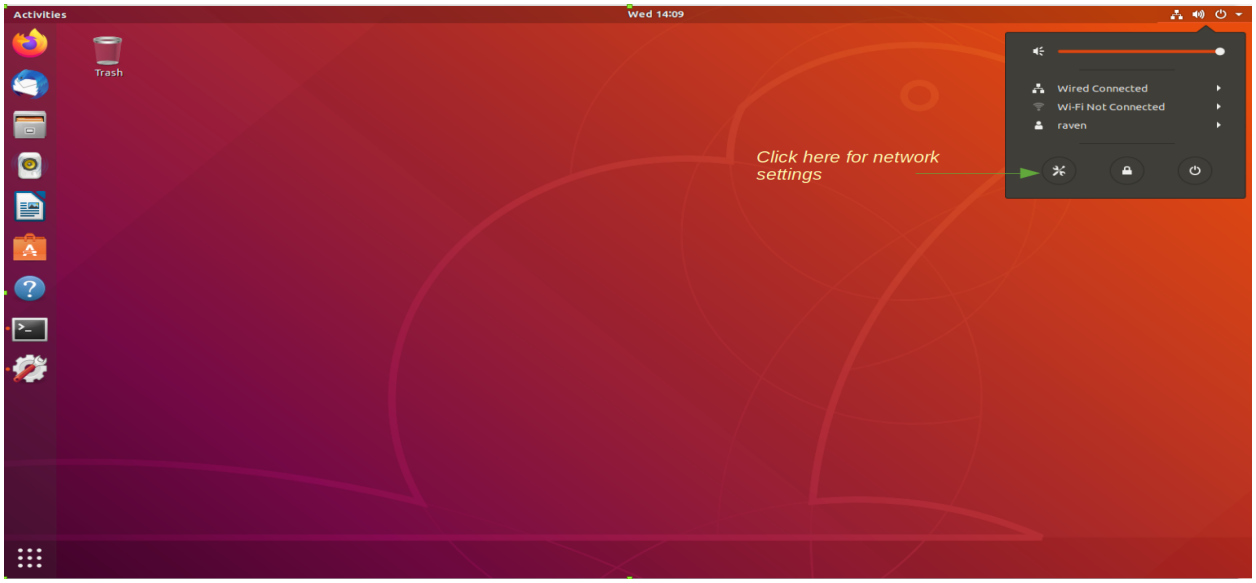
<u>Step</u> 2: Check whether the usb and lan ethernet is connected or not?

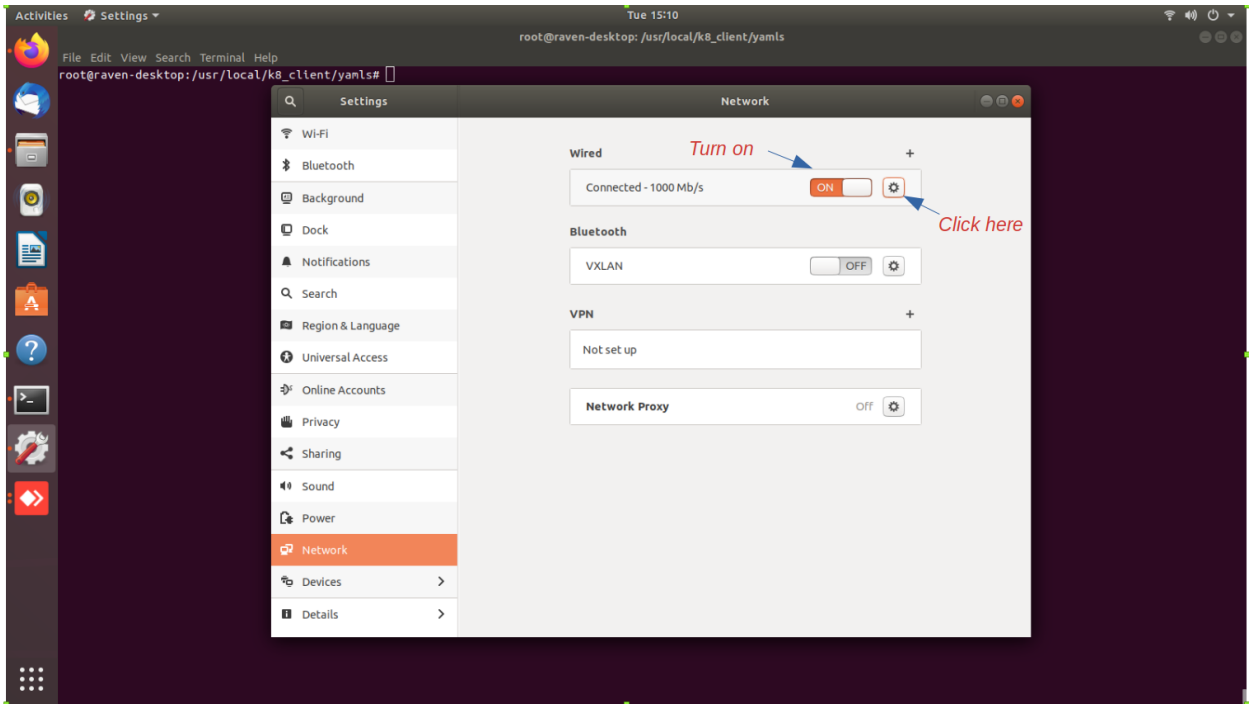
- Go to settings.
- ethernet Option check usb ethernet and pci lan connected or not?



Step 3 : Now Setup the Static IP of Both LAN Network

- First connect the cam lan from DVR Only for now.
- Then After connecting LAN to machine, go to **Settings** >> Network >> ***Edit Connections***





- Then select **LAN / Wired Connection** >> ***edit***
- Now go to ***IPV4* tab**
- Select **IPV4 Method** to ***manual***

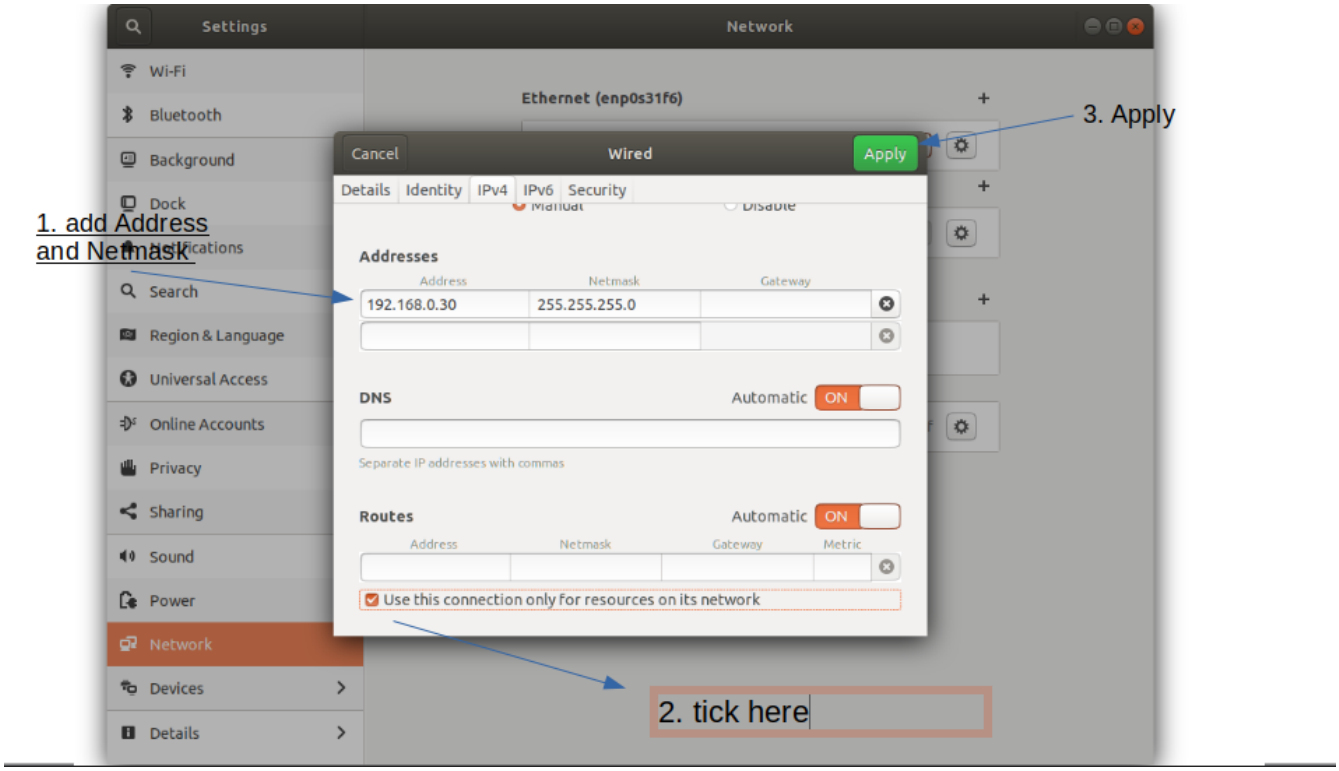
- ***First you have to know the IP range of cam then set the static IP of lan using cam IP network***

- Set the ***Address ,Netmask*** *and* ***Gateway***

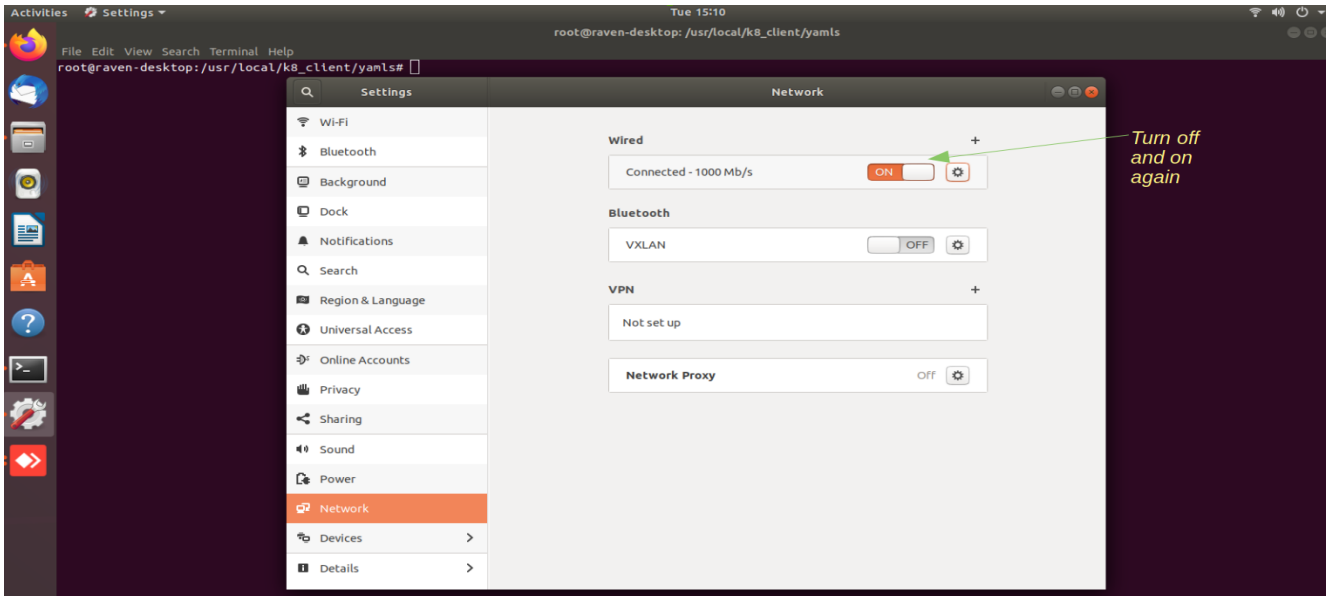
  For eg. if cam IP is 192.168.0.30 so you have to set the static IP in same range which is highlighted above i.e. 192.168.0

  i.e. 192.168.0.x where x is vary between 5 to 254 range

  For eg. Here
  Address : 192.168.0.30
  Netmask : 255.255.255.0 (exact)
- ***Click (✓) on the checkbox below***
  - ☐ ***Use this connections only for resource on its network.***
- Now **Apply** and Save it.



- Turn **OFF** and **ON** the wired connection



Press Ctrl+Alt+T

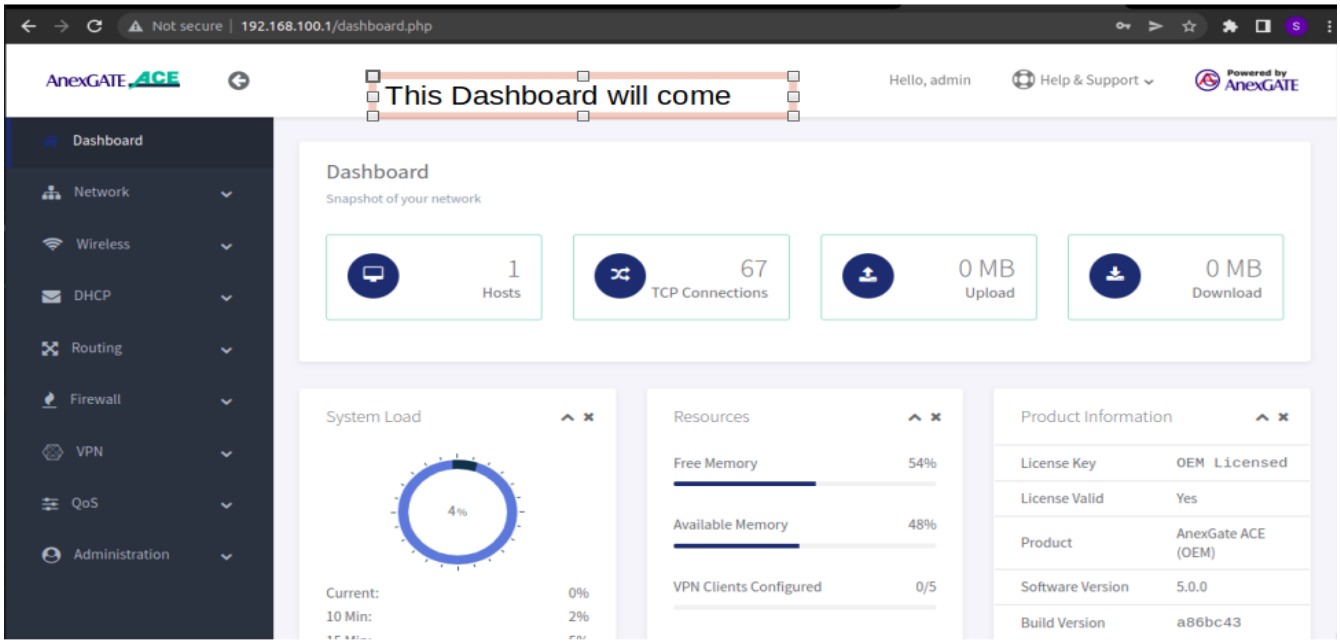
ping to dvr IP

sudo ping 192.168.0.10

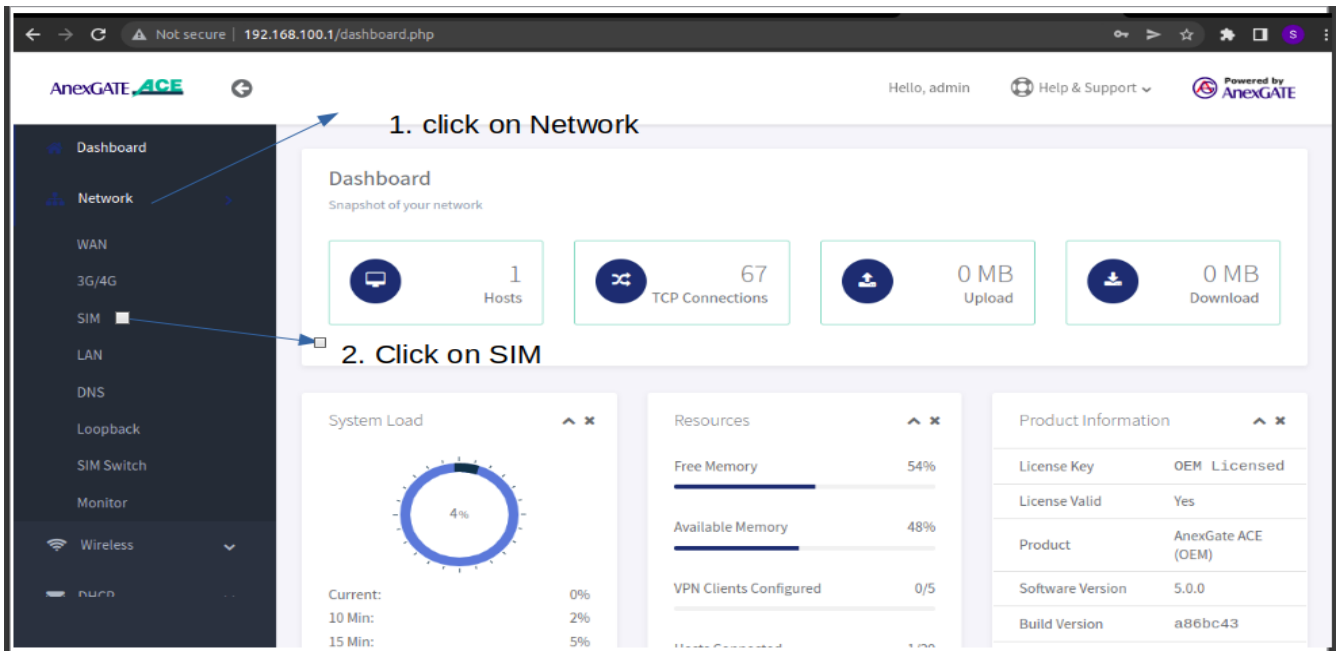
Setup of AnexGate Router

Step 1:
Open firefox.

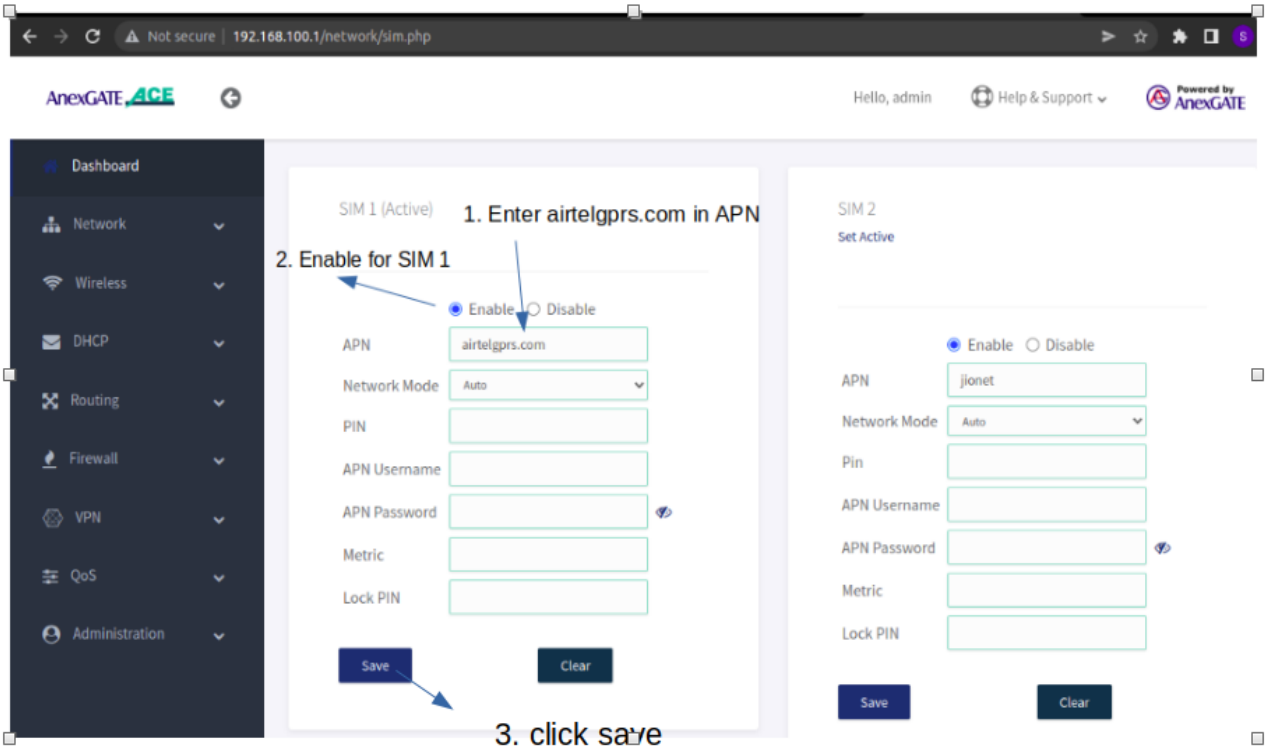
Step 2:
Go to 192.168.100.1 on firefox browser



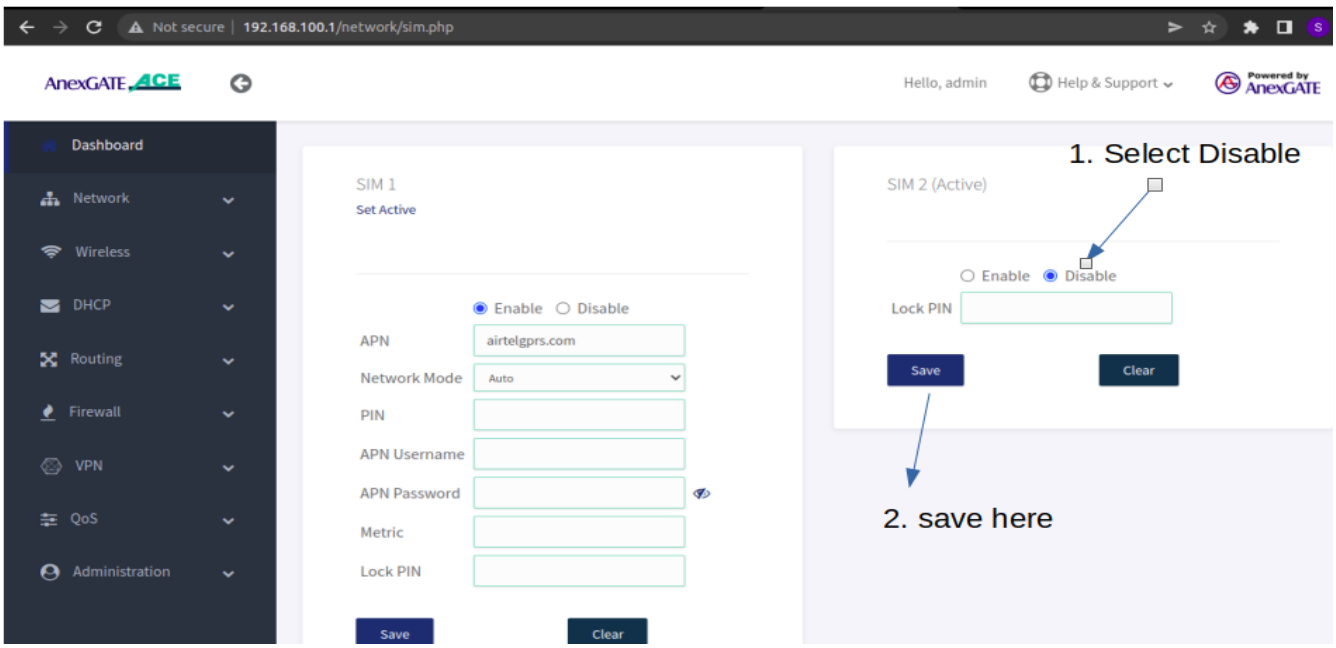
Step 3 :
Select Network
Select SIM



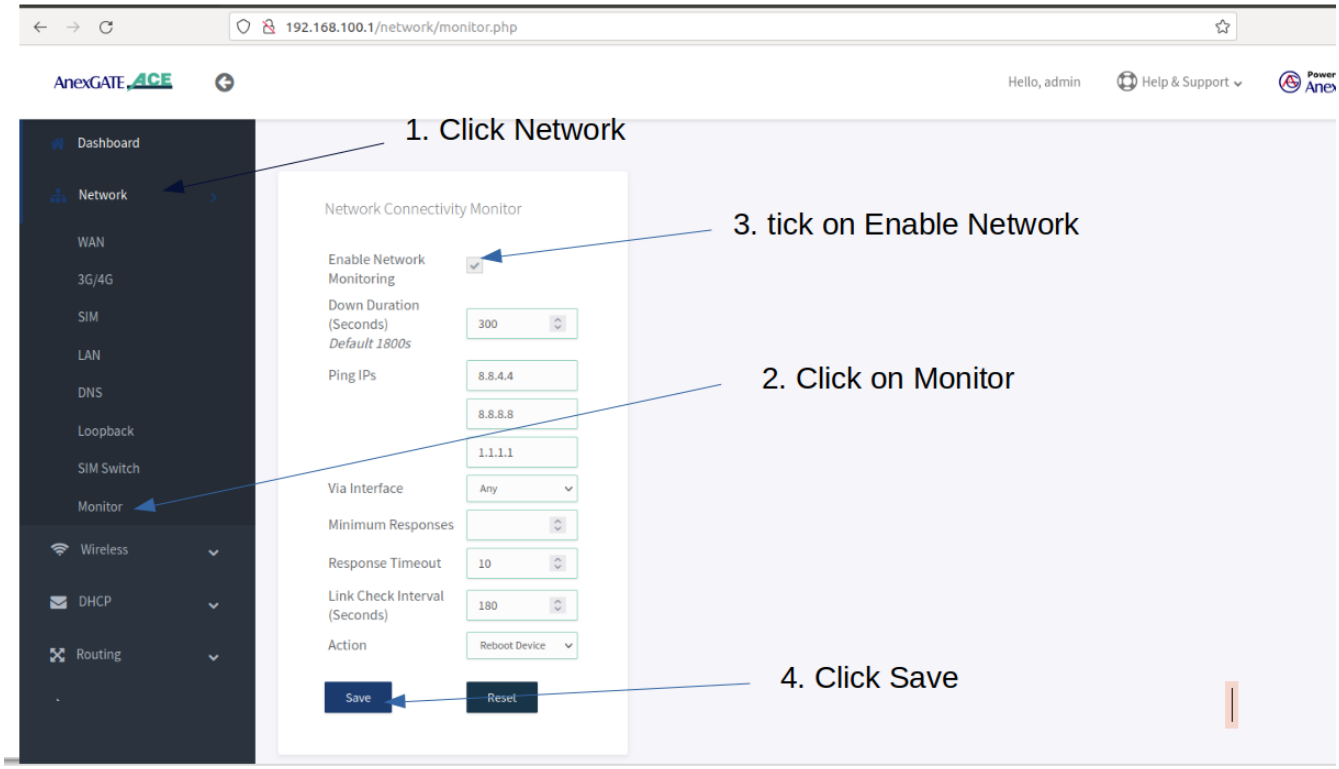
Step 4:
Select Enable in SIM 1
Enter APN : airtelgprs.com
Click Save



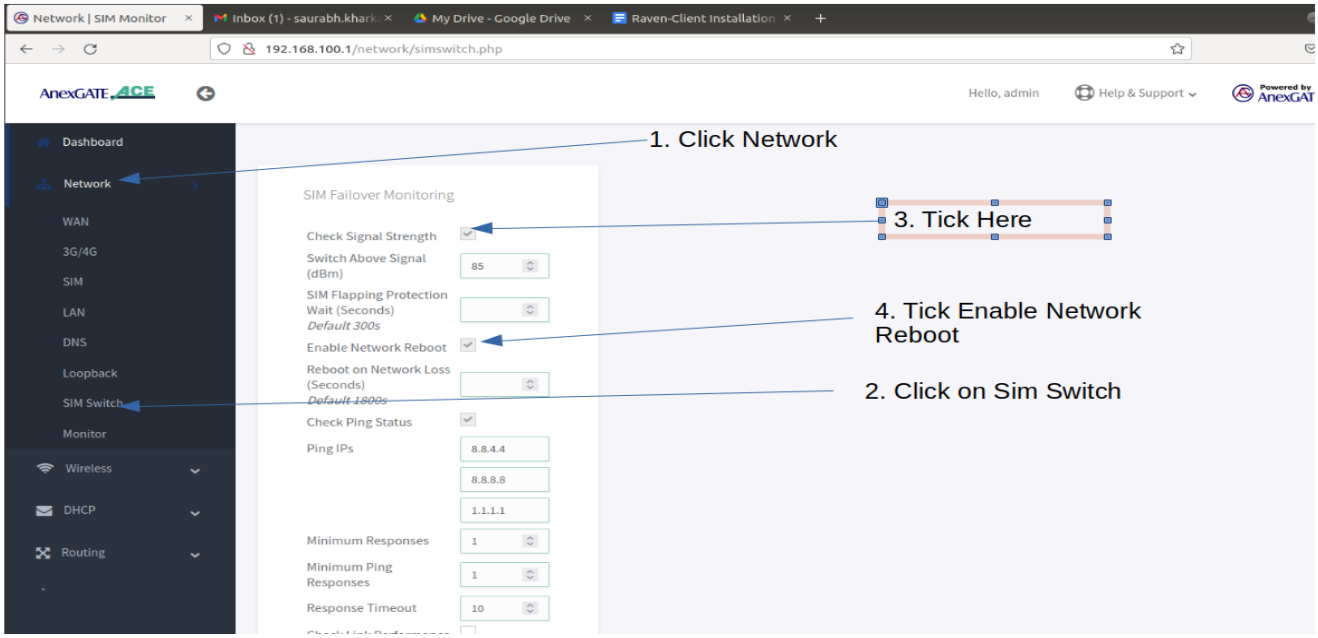
Step 5:
Select Disable in SIM 2
Save

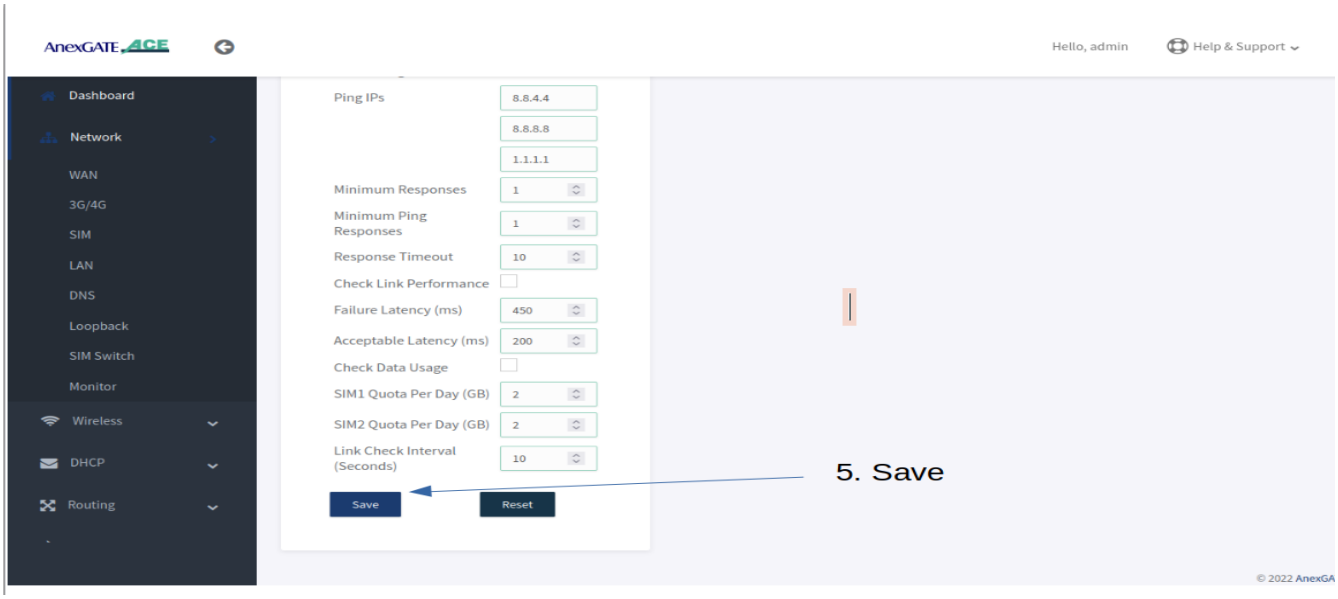


Step 6
Select Network
Select Monitor

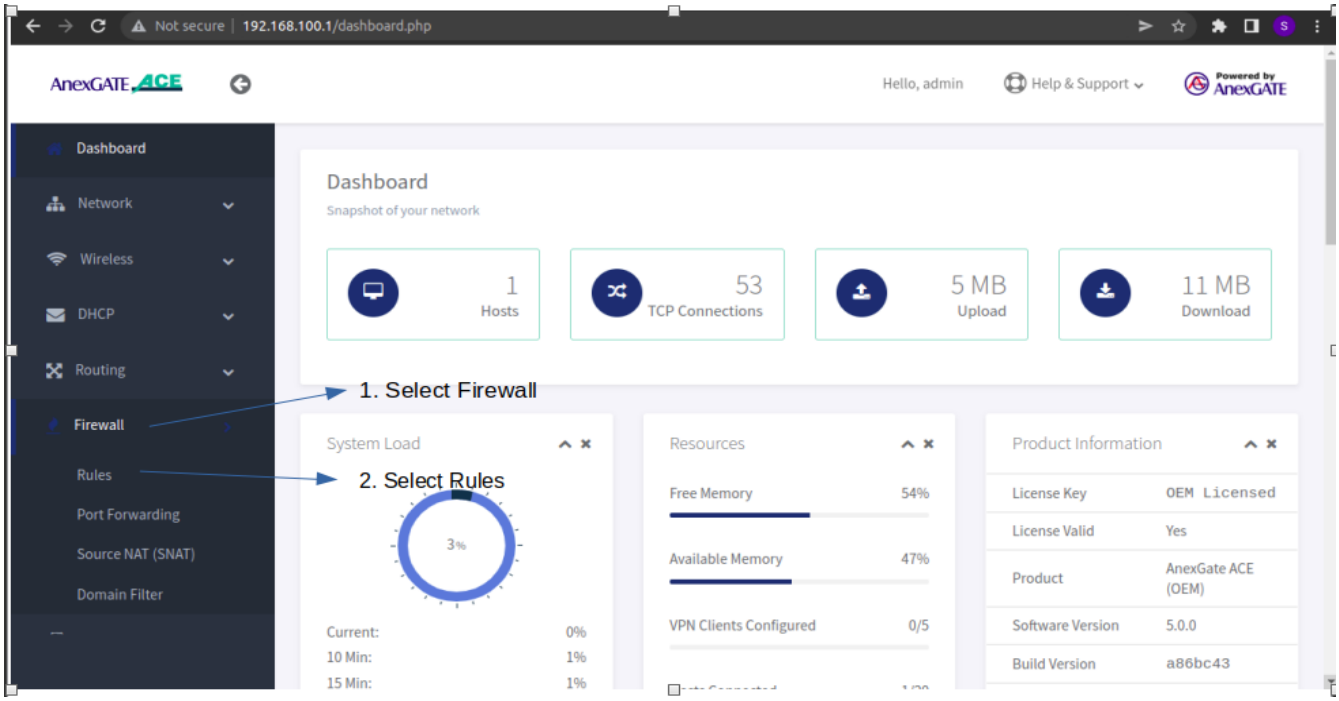


Step 7
Select Network
Select Sim Switch
Tick on Check Single Strength
Tick on Enable Network Reboot
Save

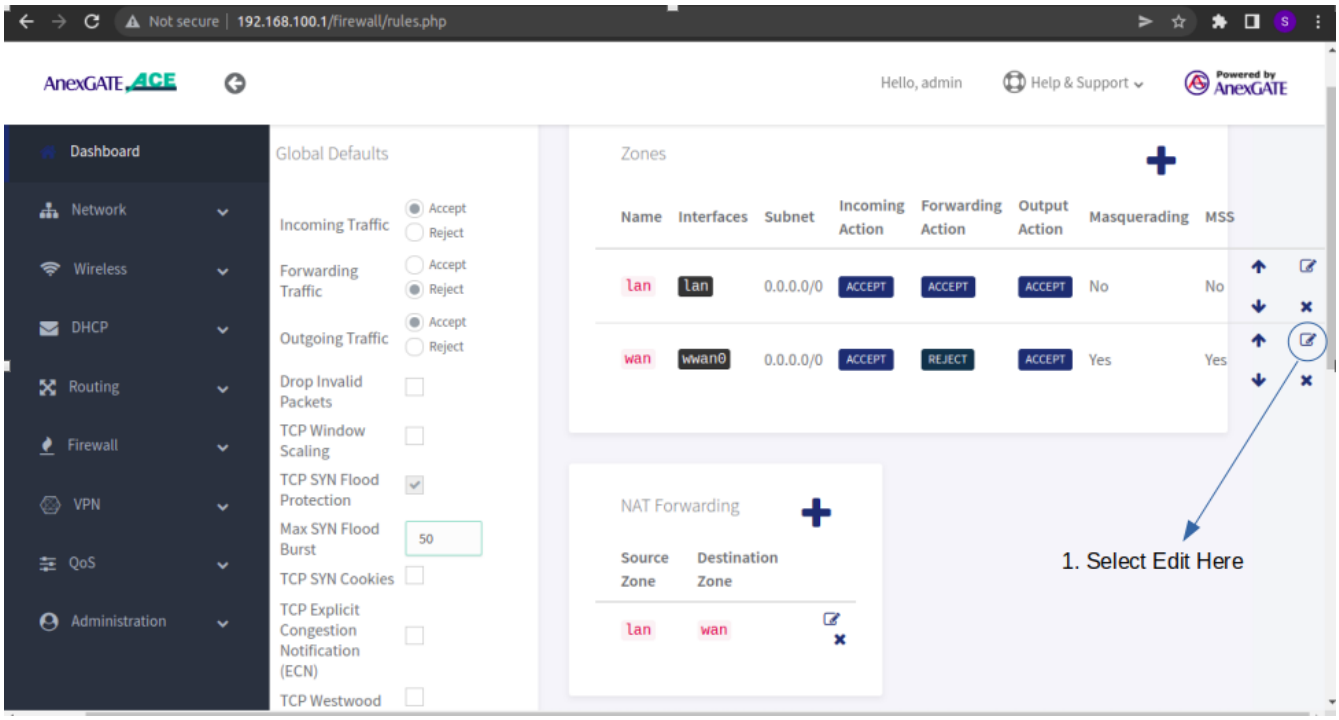

Network | SIM Monitor
192.168.100.1/network/simswitch.php
AnexGATE ACE
Hello, admin
Help & Support
Dashboard
Network
WAN
3G/4G
SIM
LAN
DNS
Loopback
SIM Switch
Monitor
Wireless
DHCP
Routing
SIM Failover Monitoring
Check Signal Strength
Switch Above Signal (dBm)
85
SIM Flapping Protection Wait (Seconds)
Default 300s
Enable Network Reboot
Reboot on Network Loss (Seconds)
Default 1800s
Check Ping Status
Ping IPs
8.8.4.4
8.8.8.8
1.1.1.1
Minimum Responses
1
Minimum Ping Responses
1
Response Timeout
10
1. Click Network
2. Click on Sim Switch
3. Tick Here
4. Tick Enable Network Reboot


AnexGATE ACE
Hello, admin
Help & Support
Dashboard
Network
WAN
3G/4G
SIM
LAN
DNS
Loopback
SIM Switch
Monitor
Wireless
DHCP
Routing
Ping IPs
8.8.4.4
8.8.8.8
1.1.1.1
Minimum Responses
1
Minimum Ping Responses
1
Response Timeout
10
Check Link Performance
Failure Latency (ms)
450
Acceptable Latency (ms)
200
Check Data Usage
SIM1 Quota Per Day (GB)
2
SIM2 Quota Per Day (GB)
2
Link Check Interval (Seconds)
10
Save
Reset
5. Save
© 2022 AnexGA

Step 8:
Select Firewall
Select Rules



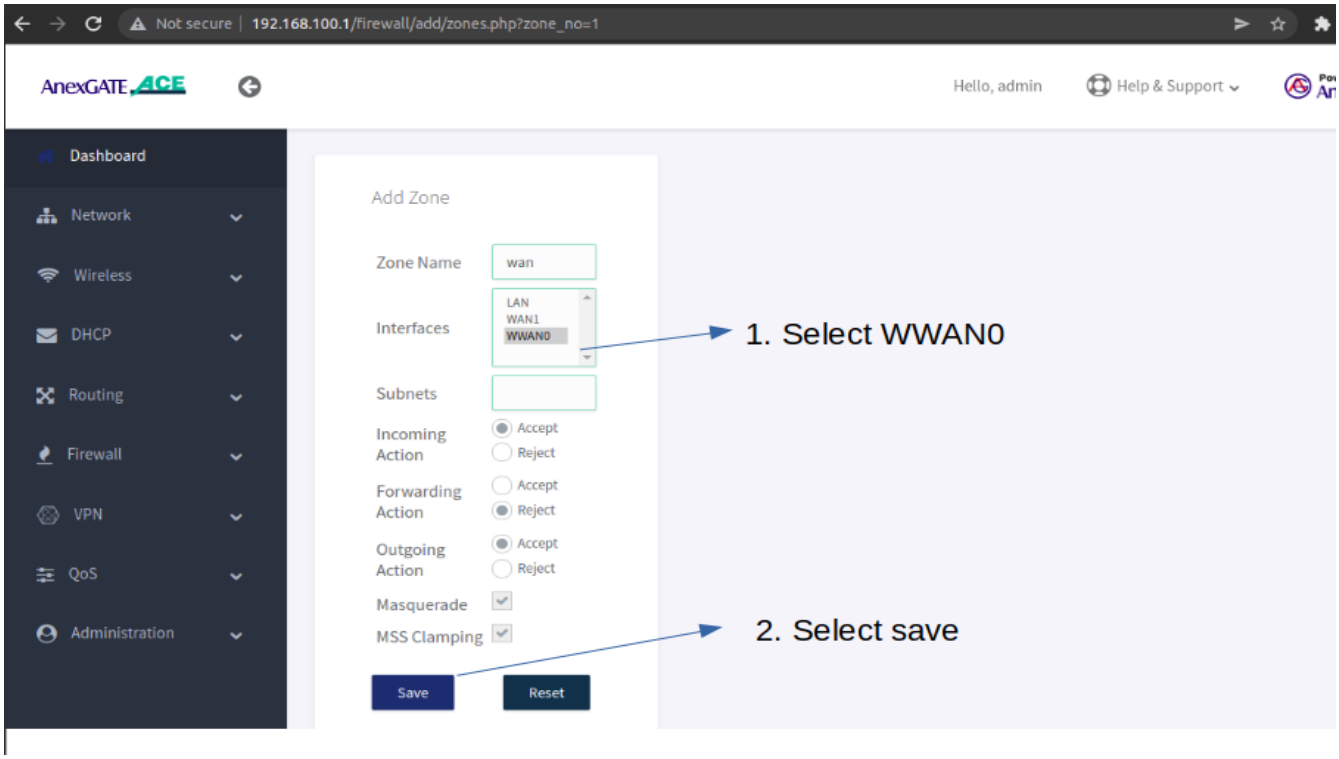
Step 9:
Select Edit button in wan



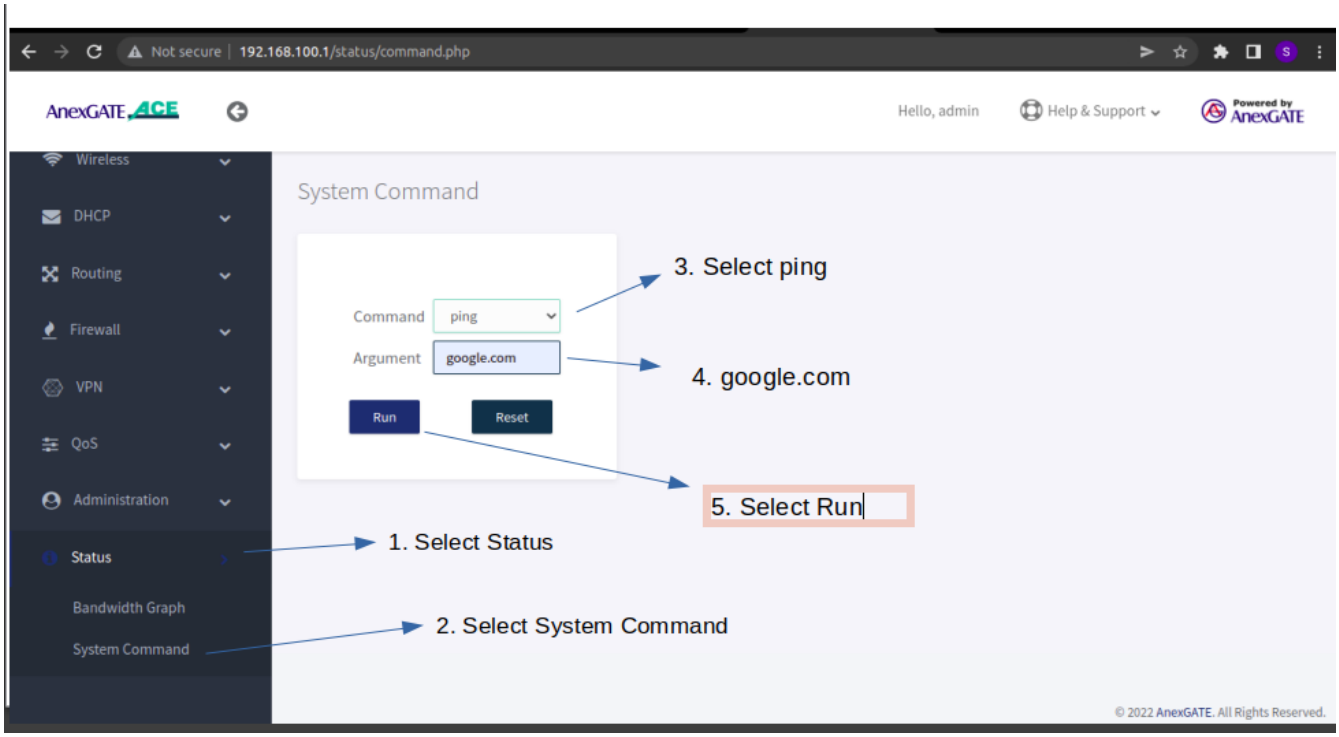
Step 10

Select WWAN0 in interfaces

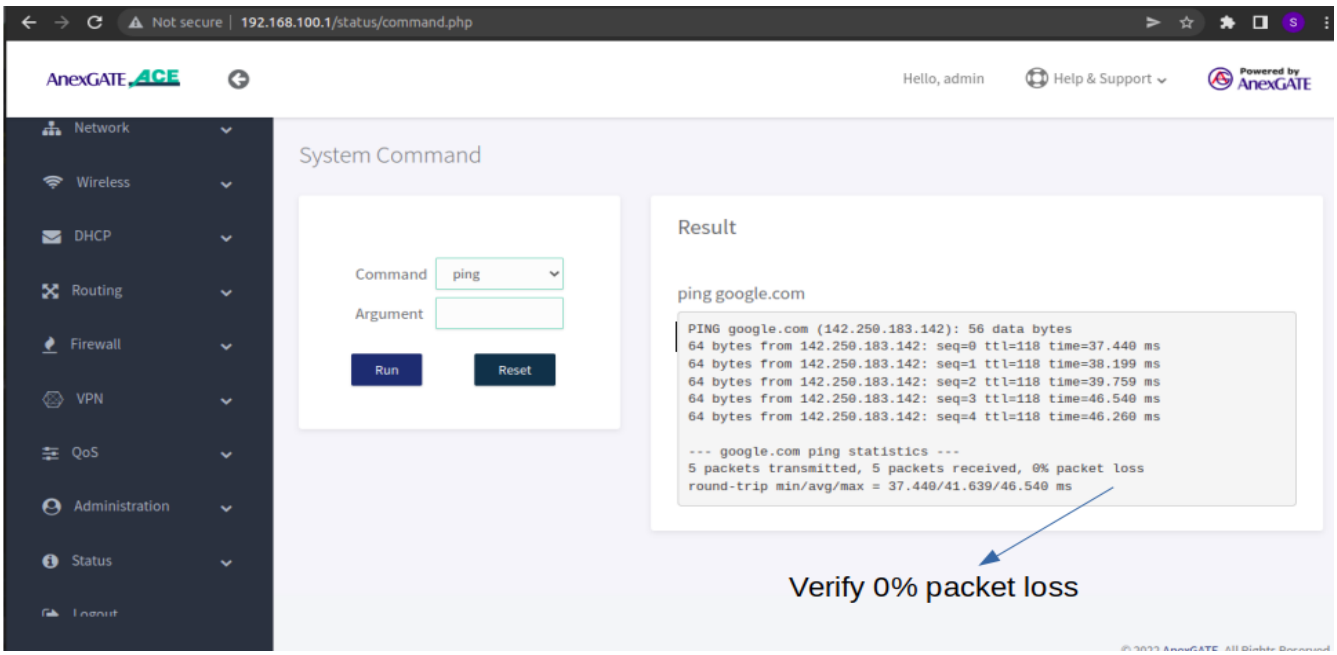
Save



Step 11:
Scroll left window
Select status
Select System Command
Select ping
Enter google.com
Select Run

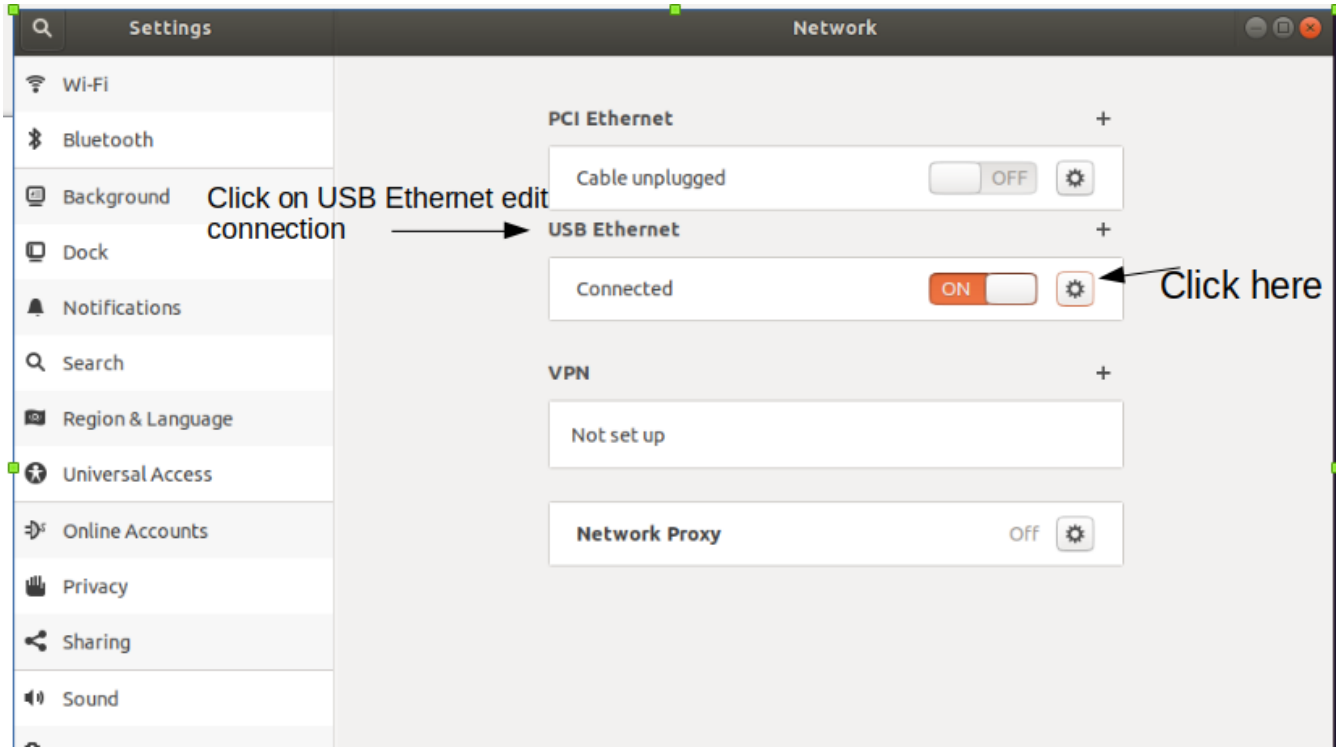


Step 12:
Verify ping command with "0% packet loss"

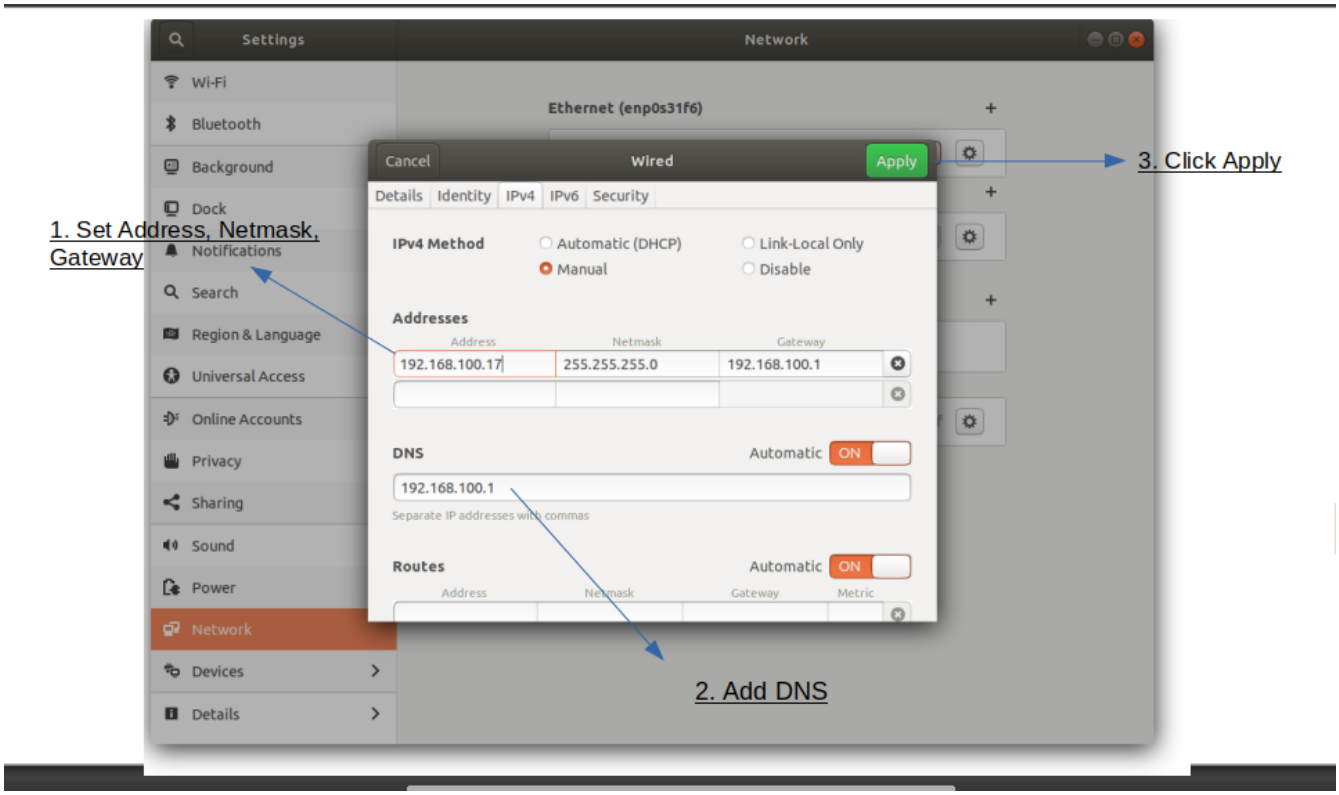


Now go to Our Ubuntu Machine Settings

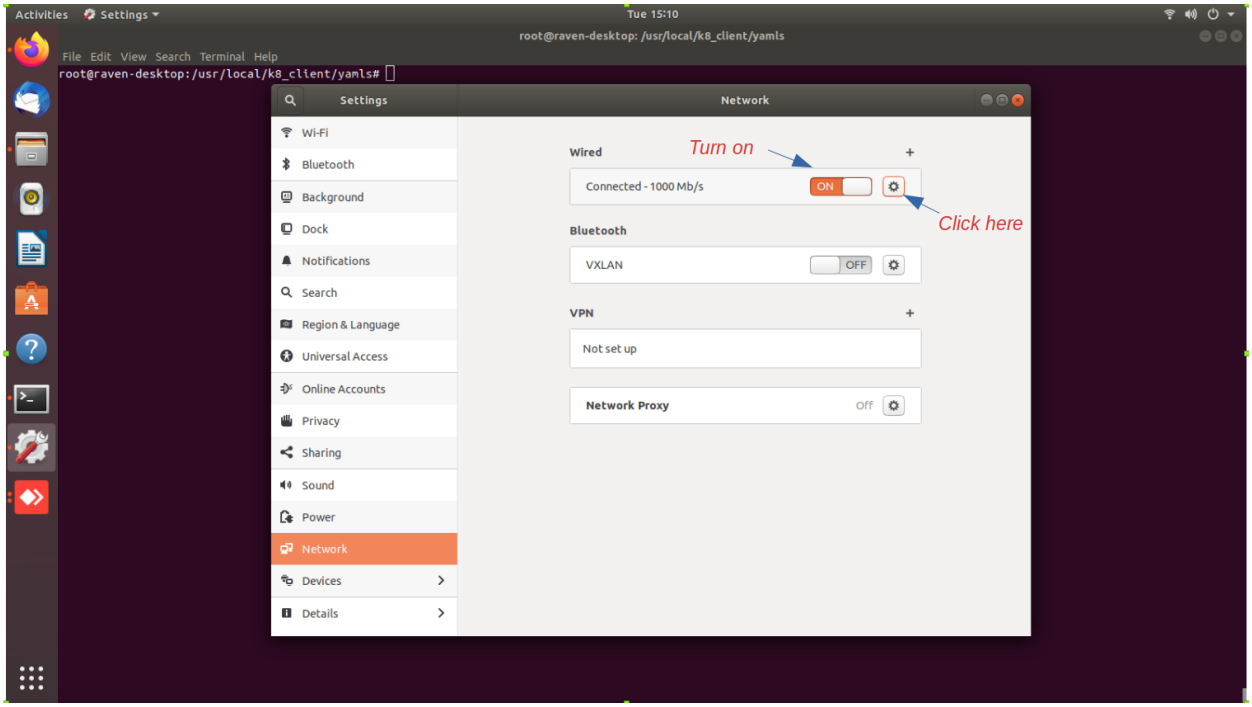
- Now Connect the **USB (Lan to usb cable**) Cable to Machine.
- Now Setup the static IP for ***USB Ethernet***
- Then select **LAN / Wired Connection** (For **USB Ethernet now**) >> ***edit***



- Now go to ***IPV4*** **tab**
- Select **IPV4 Method** to ***manual***
  Insert **1. *Address* , *Netmask* ,*Gateway*** Same as below
  Address : 192.168.100.17
  Netmask: 255.255.255.0
  Gateway : 192.168.100.1
  2. DNS 192.168.100.1
  3. Apply



- Turn Off and on connection.



- Now Open the terminal using **CTRL+ALT+T**

To check IP assignment execute below command:

ip a

- *Use the ping command to check the internet connection.*
  ping google.com

```
vendor@vendor-ThinkStation-C30:~$ now check connectivity using ping command to cam ip^C
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$ ping 192.168.100.101
PING 192.168.100.101 (192.168.100.101) 56(84) bytes of data.
64 bytes from 192.168.100.101: icmp_seq=1 ttl=64 time=2.21 ms
64 bytes from 192.168.100.101: icmp_seq=2 ttl=64 time=1.14 ms
64 bytes from 192.168.100.101: icmp_seq=3 ttl=64 time=1.13 ms
^C
--- 192.168.100.101 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 1.130/1.496/2.211/0.507 ms
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$ now turn on wifi and check the internet connectivity using ping to google.com^C
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$
vendor@vendor-ThinkStation-C30:~$ ping google.com
PING google.com (142.250.192.142) 56(84) bytes of data.
64 bytes from bom12s18-in-f14.1e100.net (142.250.192.142): icmp_seq=1 ttl=118 time=31.5 ms
64 bytes from bom12s18-in-f14.1e100.net (142.250.192.142): icmp_seq=2 ttl=118 time=29.3 ms
64 bytes from bom12s18-in-f14.1e100.net (142.250.192.142): icmp_seq=3 ttl=118 time=40.3 ms
^C
--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 29.345/33.743/40.335/4.747 ms
vendor@vendor-ThinkStation-C30:~$
```

After this setup plz contact to tech team.

Step 4 : Running run.sh Script

Run below commands:

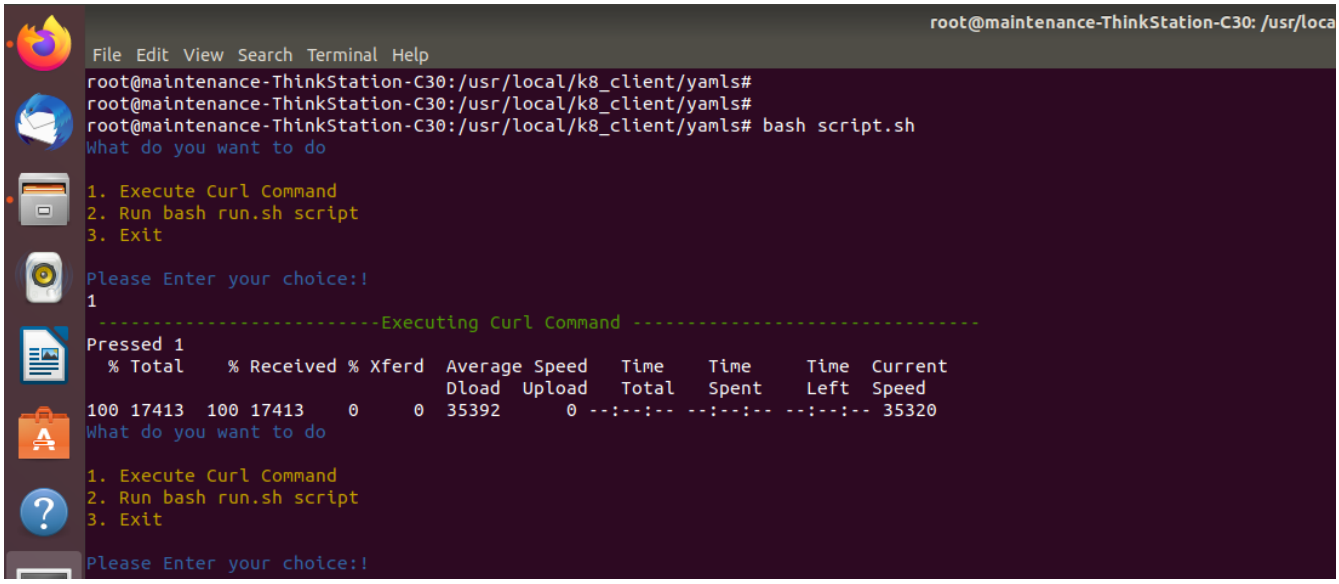
Step 1:

cd /usr/local/k8_client//yamls

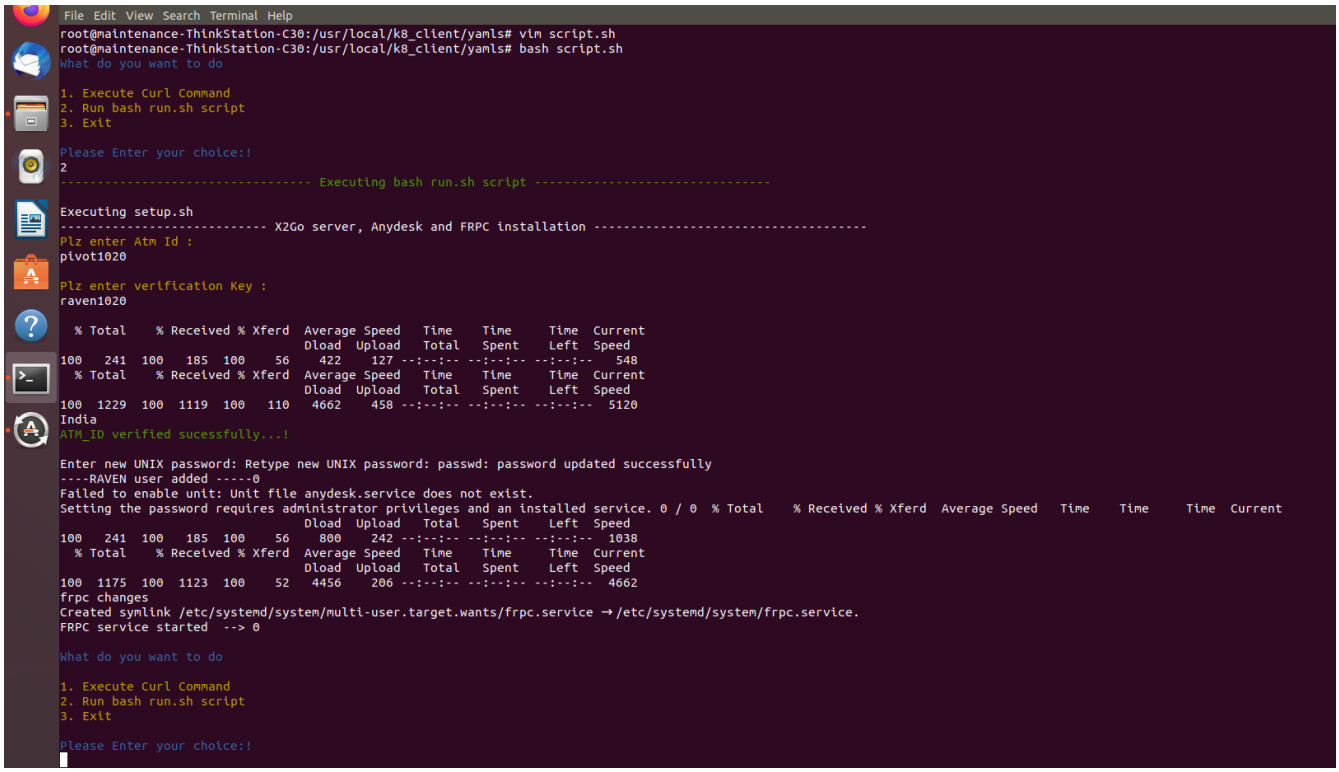
Step 2:

sudo bash script.sh

- Press 1
  Wait for scipr successfully run



- Press 2
  Above script take about 5-10 sec to successfully run.



- *Observe the script till it will run successfully if any logs come in red it means it fails something. Then you have to check the log.*
  If you get log ***“ Atm ID Verified Successfully …”*** then means your script run successfully.

—----------DONE—----------—--

If you get log
" Atm ID is Already in use…" *then means our script run properly.*
Then you have to restart your machine using below command

- ***sudo reboot***

Using above command you machine is being restarting

After machine restarted
Use the commands below.

Step 1:
cd /usr/local/k8_client/yamls/
Step 2:
sudo apt-get update
Step 3:
sudo bash run.sh

If same error occur again then contact to Tech team.