

# Setup of Raven-Client

## BIOS setup

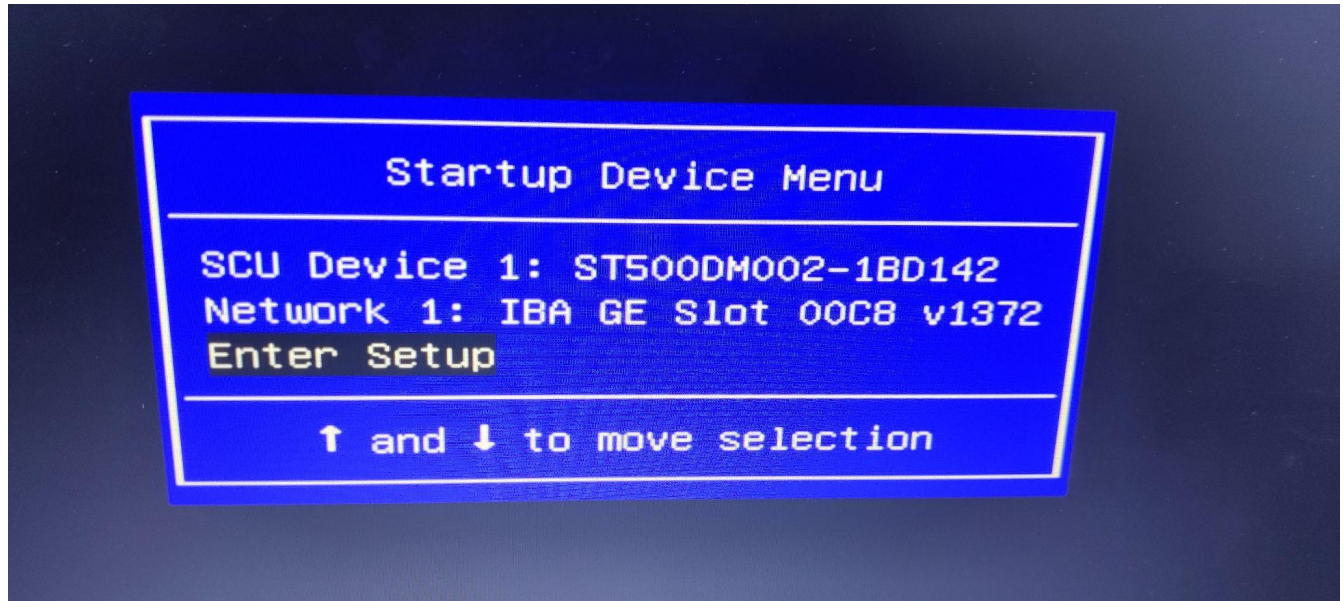
**While Starting Machine go to BIOS setup**

### Step 1: Go to bios setup

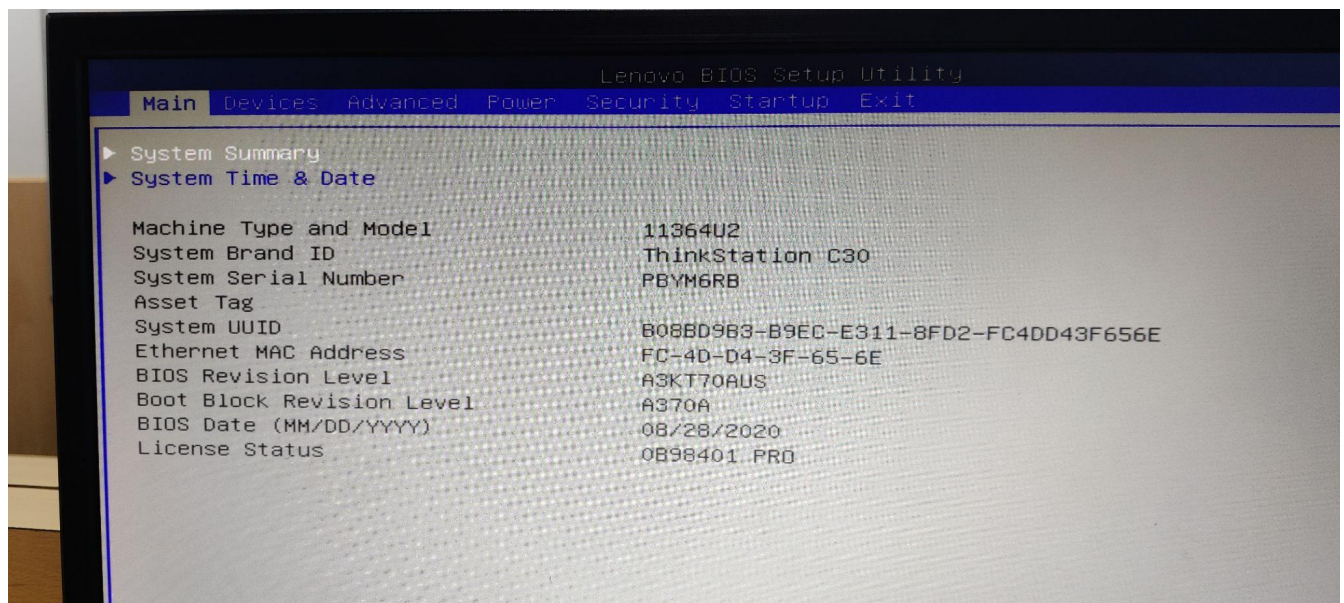
Go to bios setup using F12 Key while starting machine

You will get below screen

**Select Enter Setup**



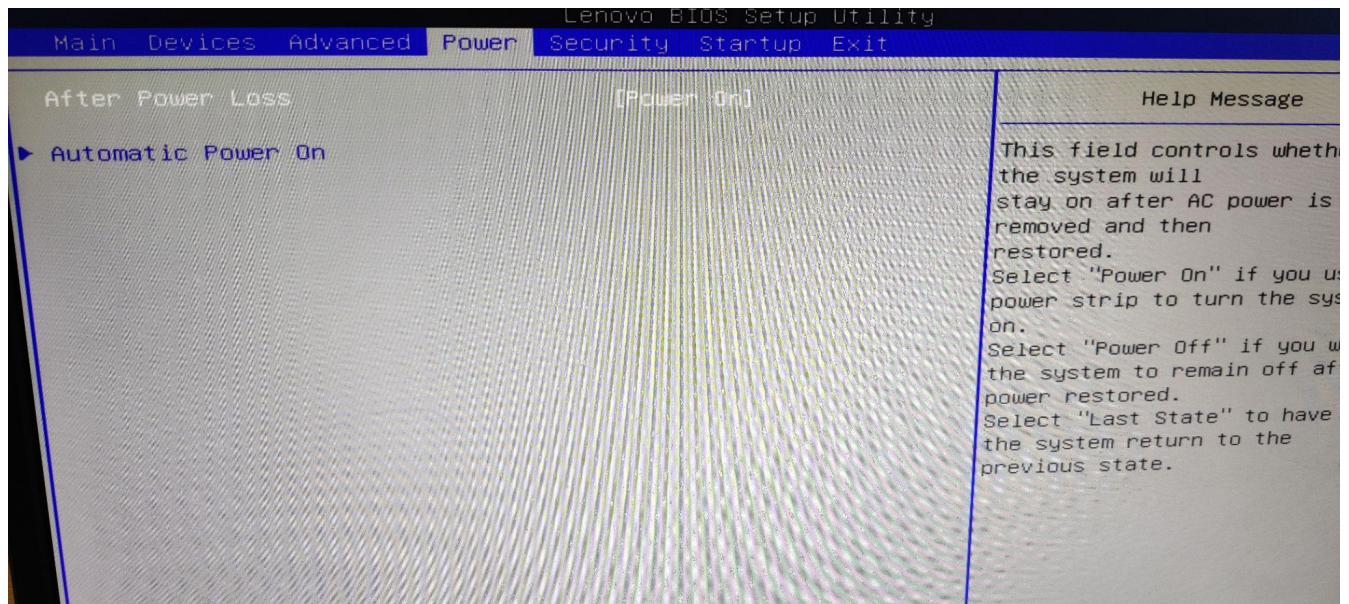
Now you will see below screen screen





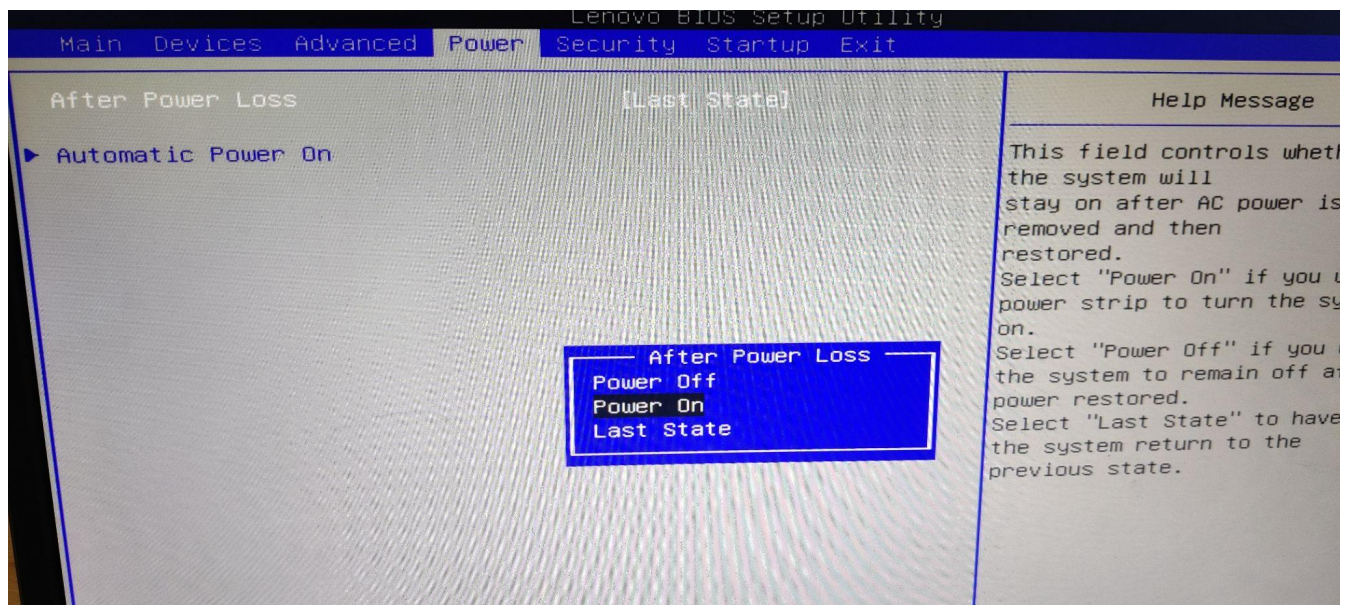
## Step2: go to power

Go to power tab *using arrow keys*

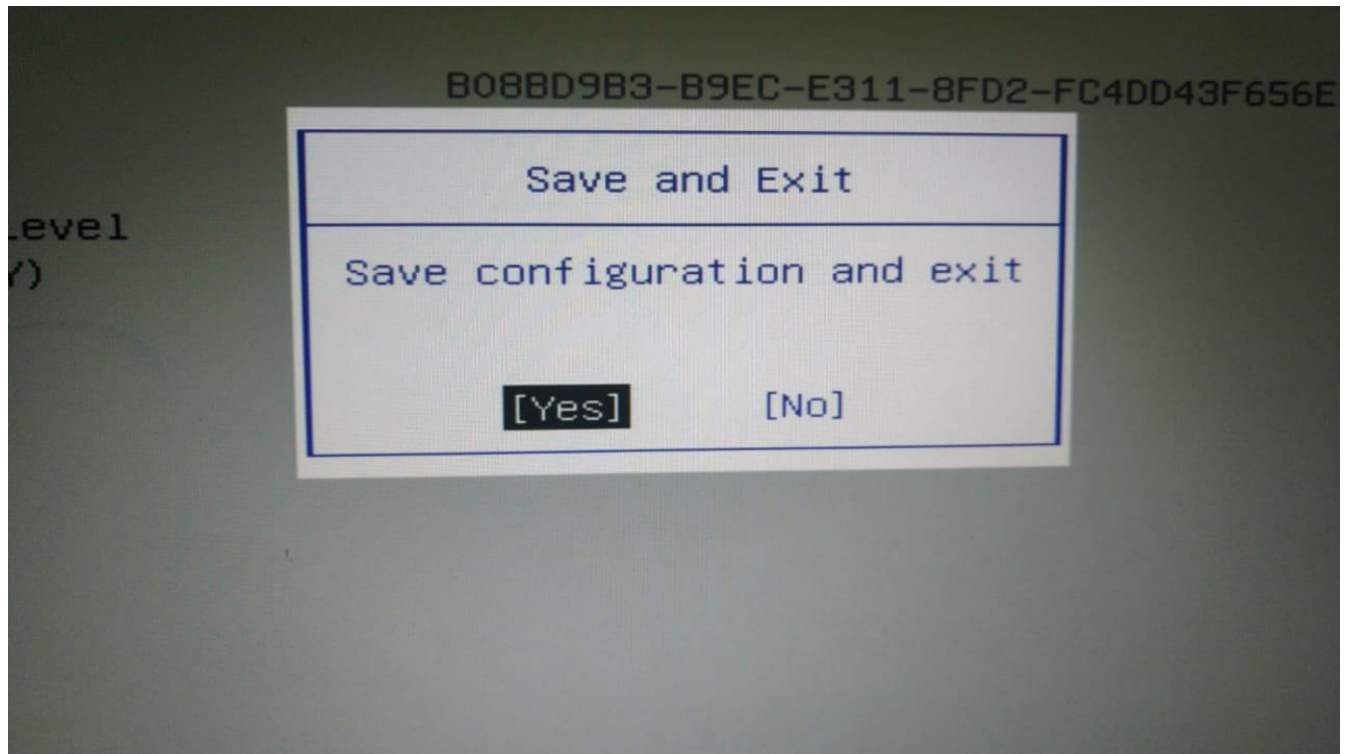


## Step3: set automatic power on

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



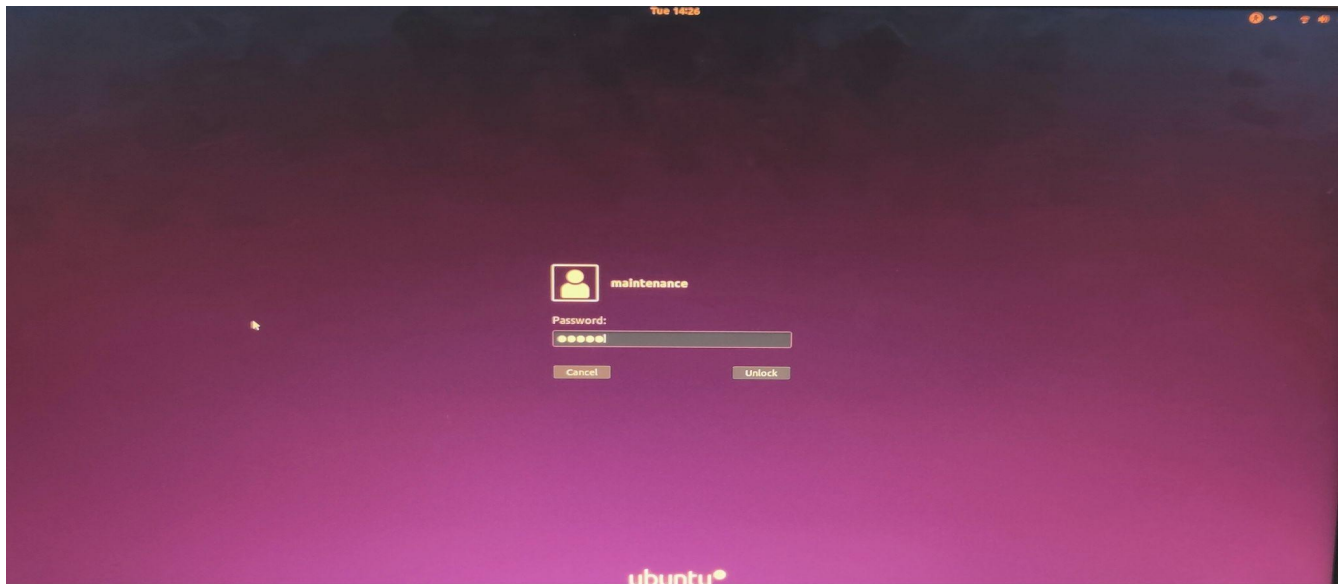
Then Press F10  
Select Yes  
Press Enter



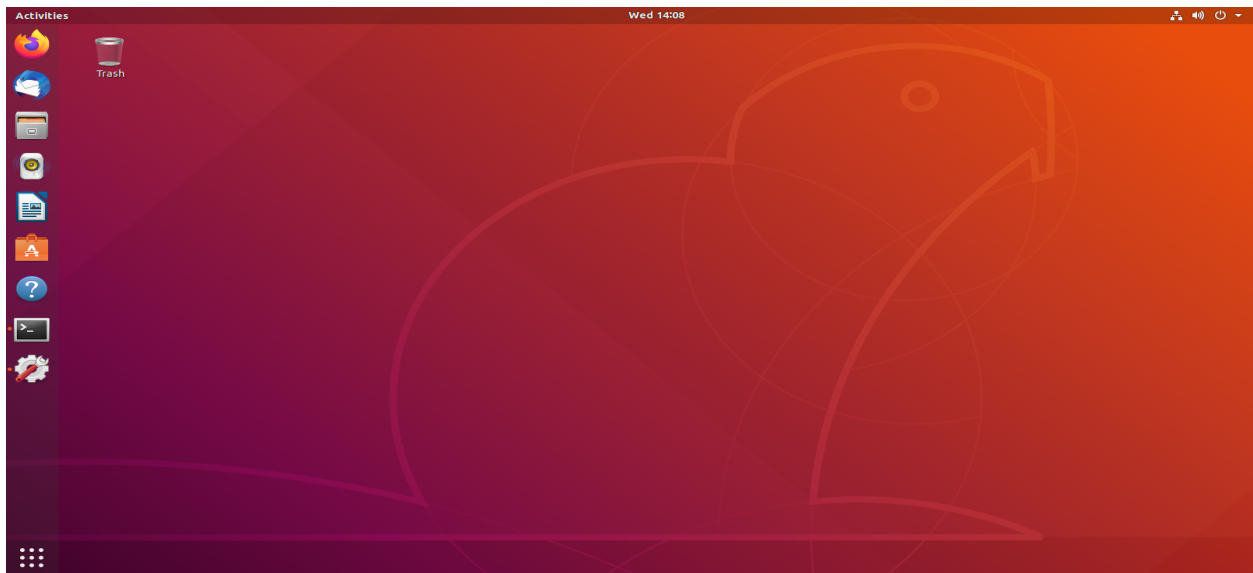
## ***Raven Setup Steps***

### **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

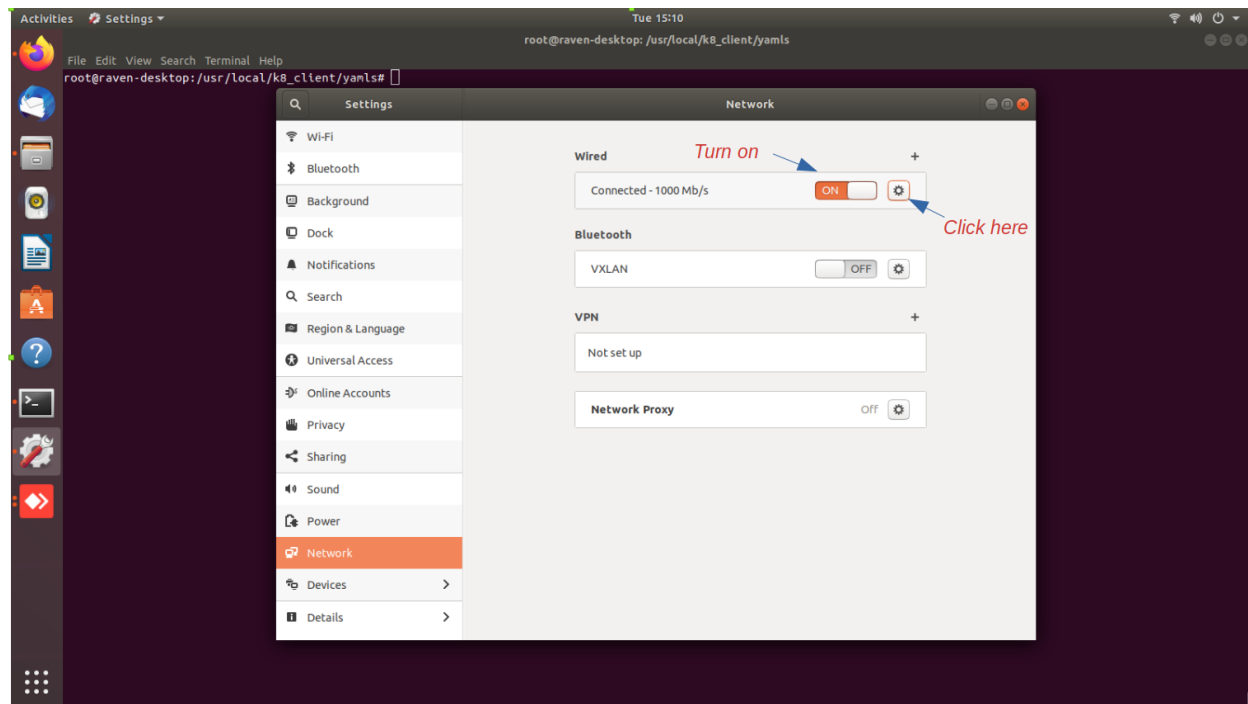


## **Step 2: Check whether the usb and lan ethernet is connected or not?**

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







- 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**

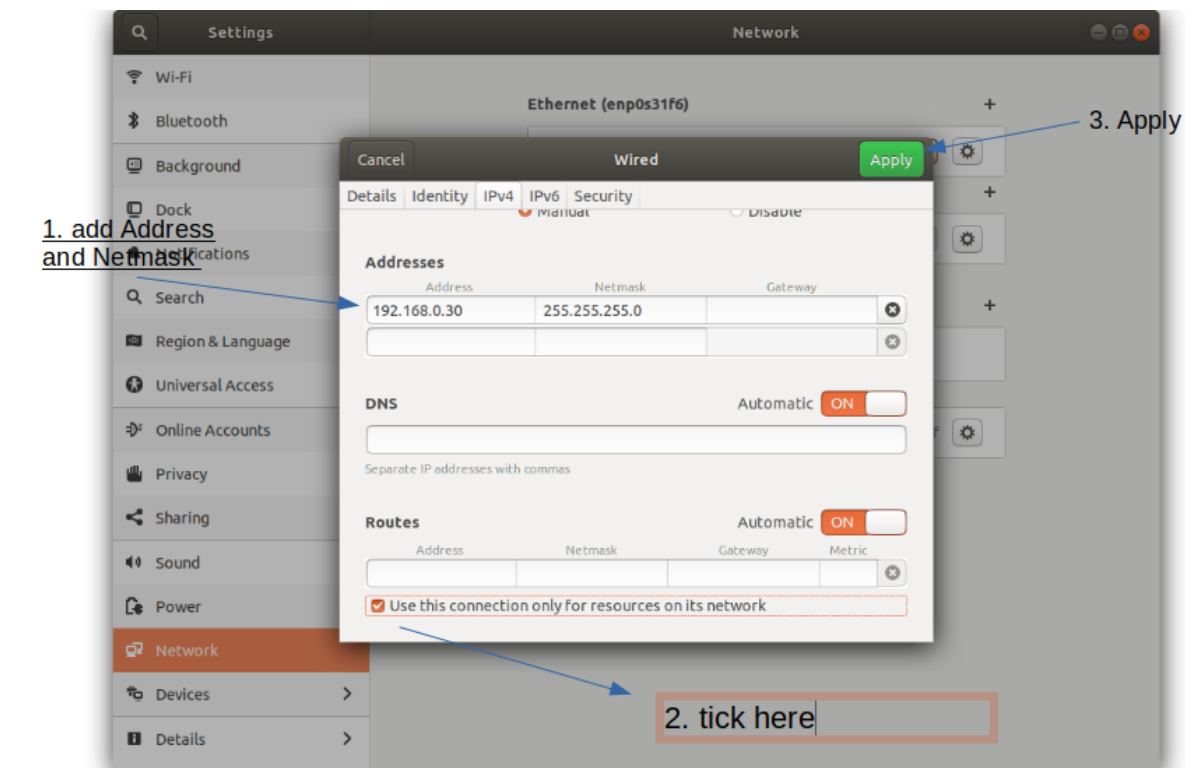
**i.e. 192.168.0.x where x is vary between 5 to 254 range**

**For eg. Here**

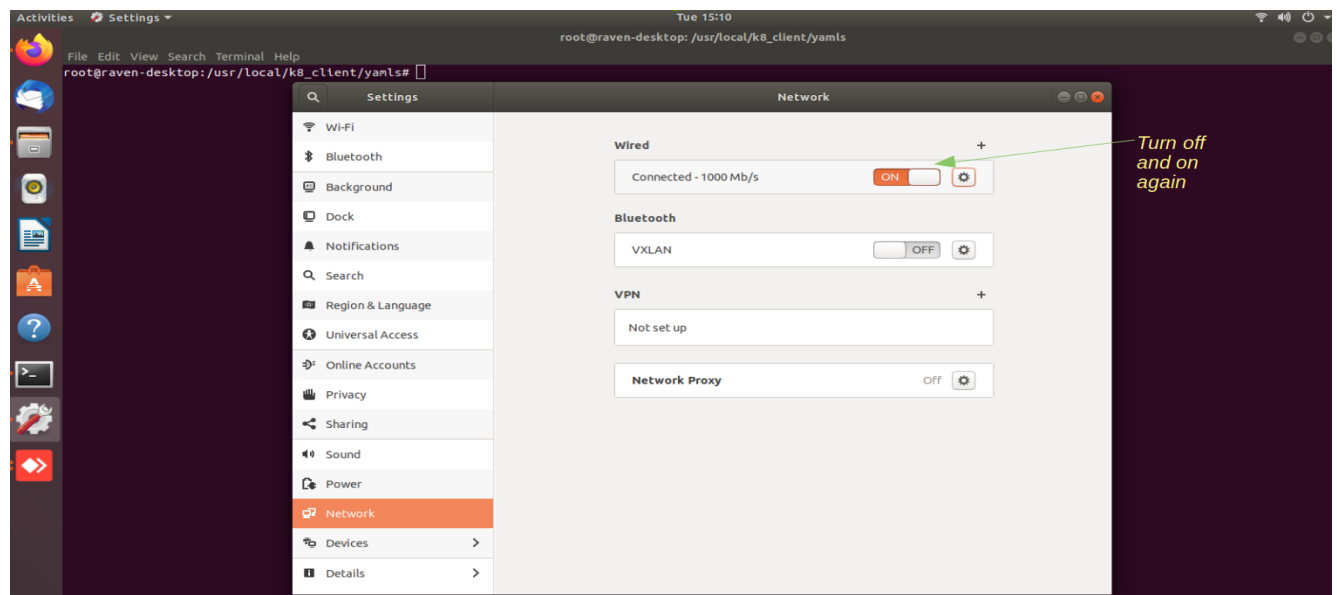
**Address : 192.168.0.30**

**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**

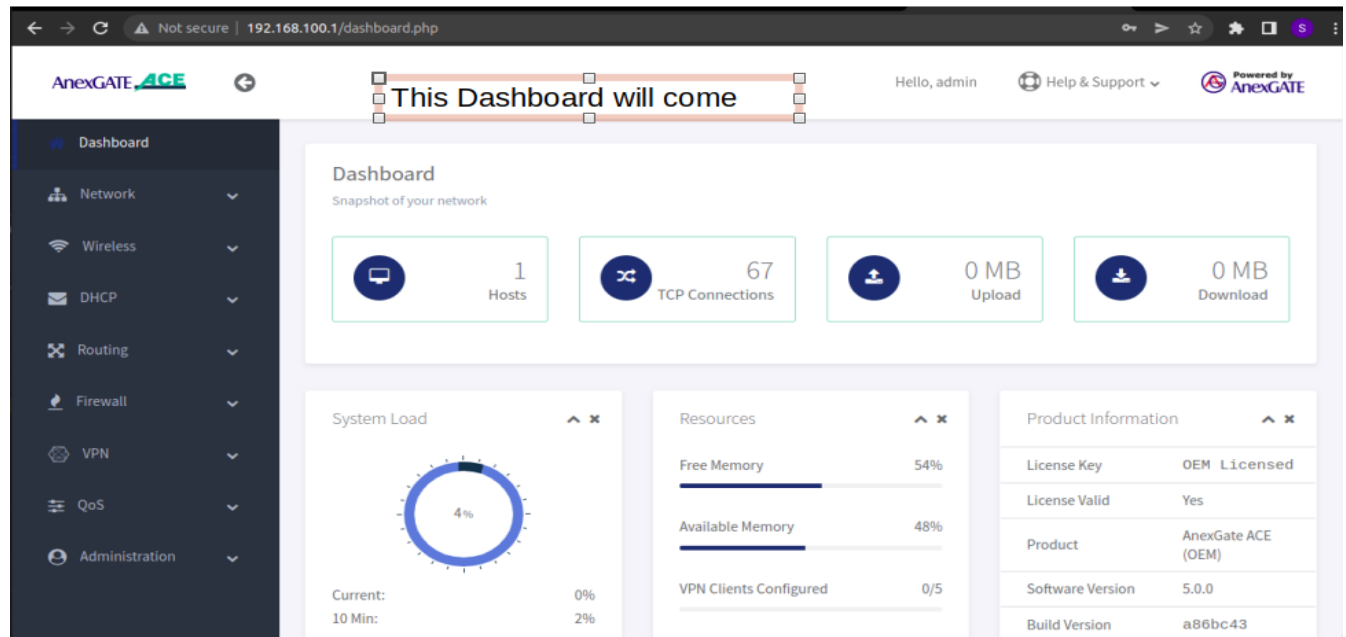
*ping to dvr IP*

***sudo ping 192.168.0.10***

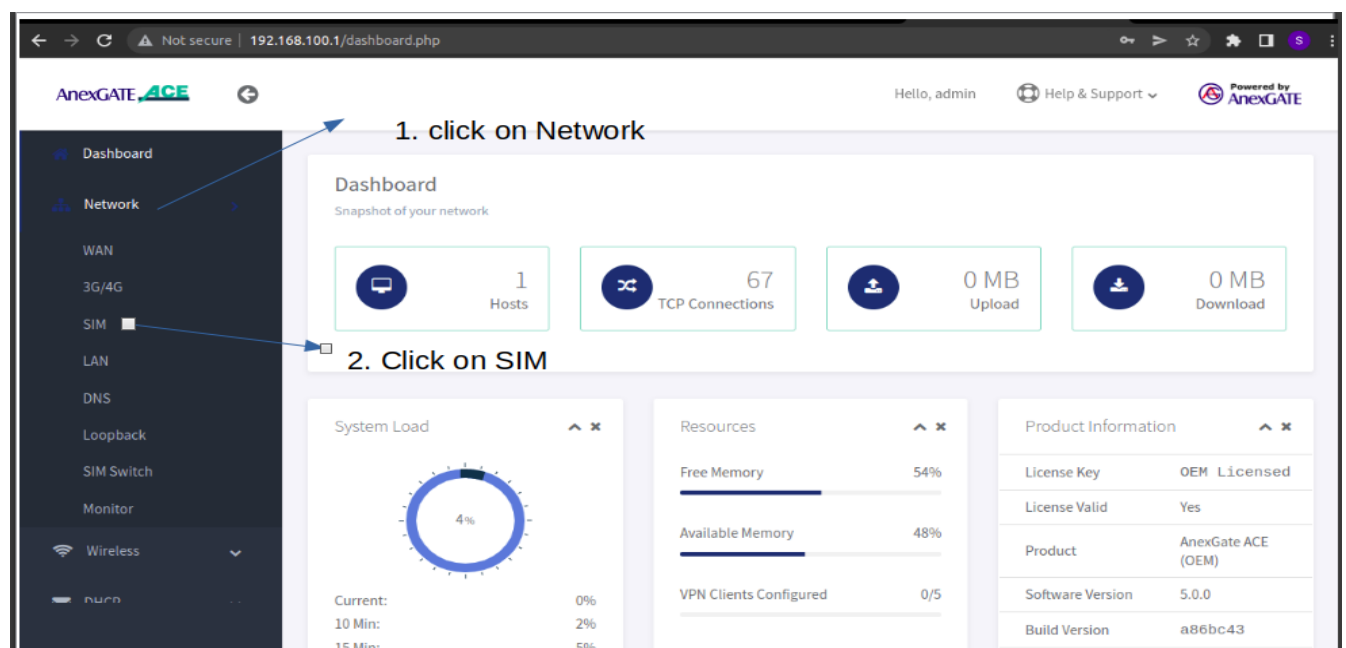
# Setup of AnexGate Router

**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**

The screenshot shows the AnexGATE ACE web interface. The browser address bar displays "192.168.100.1/network/sim.php". The left sidebar contains a navigation menu with options: Dashboard, Network, Wireless, DHCP, Routing, Firewall, VPN, QoS, and Administration. The main content area is divided into two panels. The left panel is for "SIM 1 (Active)" and the right panel is for "SIM 2". In the SIM 1 panel, the "Enable" radio button is selected, and the APN field contains "airtelgprs.com". The "Save" button is highlighted with a blue arrow. In the SIM 2 panel, the "Enable" radio button is also selected, and the APN field contains "jionet".

1. Enter airtelgprs.com in APN

2. Enable for SIM 1

3. click save

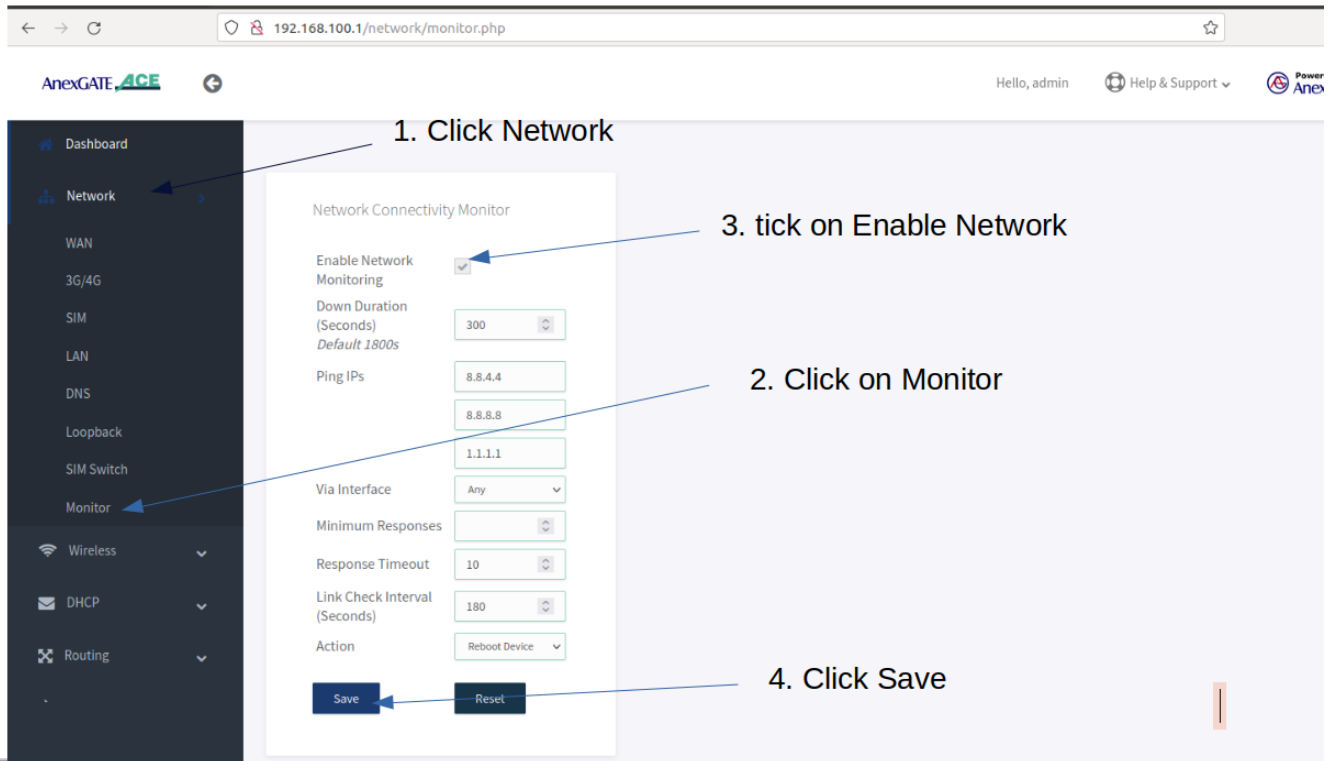
**Step 5:**  
**Select Disable in SIM 2**  
**Save**

The screenshot shows the AnexGATE ACE web interface. The browser address bar displays "192.168.100.1/network/sim.php". The left sidebar contains a navigation menu with options: Dashboard, Network, Wireless, DHCP, Routing, Firewall, VPN, QoS, and Administration. The main content area is divided into two panels. The left panel is for "SIM 1" and the right panel is for "SIM 2 (Active)". In the SIM 1 panel, the "Enable" radio button is selected, and the APN field contains "airtelgprs.com". In the SIM 2 panel, the "Disable" radio button is selected, and the "Save" button is highlighted with a blue arrow. The "Lock PIN" field is also visible in the SIM 2 panel.

1. Select Disable

2. save here

**Step 6**  
**Select Network**  
**Select Monitor**



192.168.100.1/network/monitor.php

AnexGATE ACE

Hello, admin Help & Support Power Ane

1. Click Network

2. Click on Monitor

3. tick on Enable Network

4. Click Save

Network Connectivity Monitor

Enable Network Monitoring ☒

Down Duration (Seconds) 300

Ping IPs 8.8.4.4 8.8.8.8 1.1.1.1

Via Interface Any

Minimum Responses

Response Timeout 10

Link Check Interval (Seconds) 180

Action Reboot Device

Save Reset

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

Network | SIM Monitor | Inbox (1) - saurabh.kharkar | My Drive - Google Drive | Raven-Client Installation | 192.168.100.1/network/simswitch.php

1. Click Network

2. Click on Sim Switch

3. Tick Here

4. Tick Enable Network Reboot

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

Check Link Performance ☐

5. Save

Save Reset

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

**Step 8:**  
**Select Firewall**  
**Select Rules**

The screenshot shows the AnexGATE ACE web interface. The left sidebar contains a menu with the following items: Dashboard, Network, Wireless, DHCP, Routing, Firewall, Rules, Port Forwarding, Source NAT (SNAT), and Domain Filter. Two blue arrows point from the text labels to the interface: one from "1. Select Firewall" to the Firewall menu item, and another from "2. Select Rules" to the Rules menu item.

The main content area displays a "Dashboard" section with a "Snapshot of your network" showing four metrics: 1 Hosts, 53 TCP Connections, 5 MB Upload, and 11 MB Download. Below this, there are three panels: "System Load" (showing a 3% gauge and a table with Current: 0%, 10 Min: 1%, 15 Min: 1%), "Resources" (showing Free Memory at 54%, Available Memory at 47%, and VPN Clients Configured at 0/5), and "Product Information" (showing License Key, License Valid, Product, Software Version, and Build Version).

Product Information	
License Key	OEM Licensed
License Valid	Yes
Product	AnexGate ACE (OEM)
Software Version	5.0.0
Build Version	a86bc43

**Step 9:**  
**Select Edit button in wan**



192.168.100.1/firewall/rules.php

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**Dashboard**

- Network
- Wireless
- DHCP
- Routing
- Firewall
- VPN
- QoS
- Administration

**Global Defaults**

Incoming Traffic: ☒ Accept ☐ Reject

Forwarding Traffic: ☐ Accept ☒ Reject

Outgoing Traffic: ☒ Accept ☐ Reject

Drop Invalid Packets: ☐

TCP Window Scaling: ☐

TCP SYN Flood Protection: ☒

Max SYN Flood Burst: 50

TCP SYN Cookies: ☐

TCP Explicit Congestion Notification (ECN): ☐

TCP Westwood: ☐

**Zones**

Name	Interfaces	Subnet	Incoming Action	Forwarding Action	Output Action	Masquerading	MSS
lan	lan	0.0.0.0/0	ACCEPT	ACCEPT	ACCEPT	No	No
wan	wwan0	0.0.0.0/0	ACCEPT	REJECT	ACCEPT	Yes	Yes

**NAT Forwarding**

Source Zone	Destination Zone
lan	wan

1. Select Edit Here

**Step 10**  
**Select WWAN0 in interfaces**  
**Save**

192.168.100.1/firewall/add/zones.php?zone\_no=1

Hello, admin Help & Support Powered by AnexGATE

**Dashboard**

- Network
- Wireless
- DHCP
- Routing
- Firewall
- VPN
- QoS
- Administration

**Add Zone**

Zone Name: wan

Interfaces: LAN, WAN1, **WWAN0**

Subnets:

Incoming Action: ☒ Accept ☐ Reject

Forwarding Action: ☐ Accept ☒ Reject

Outgoing Action: ☒ Accept ☐ Reject

Masquerade: ☒

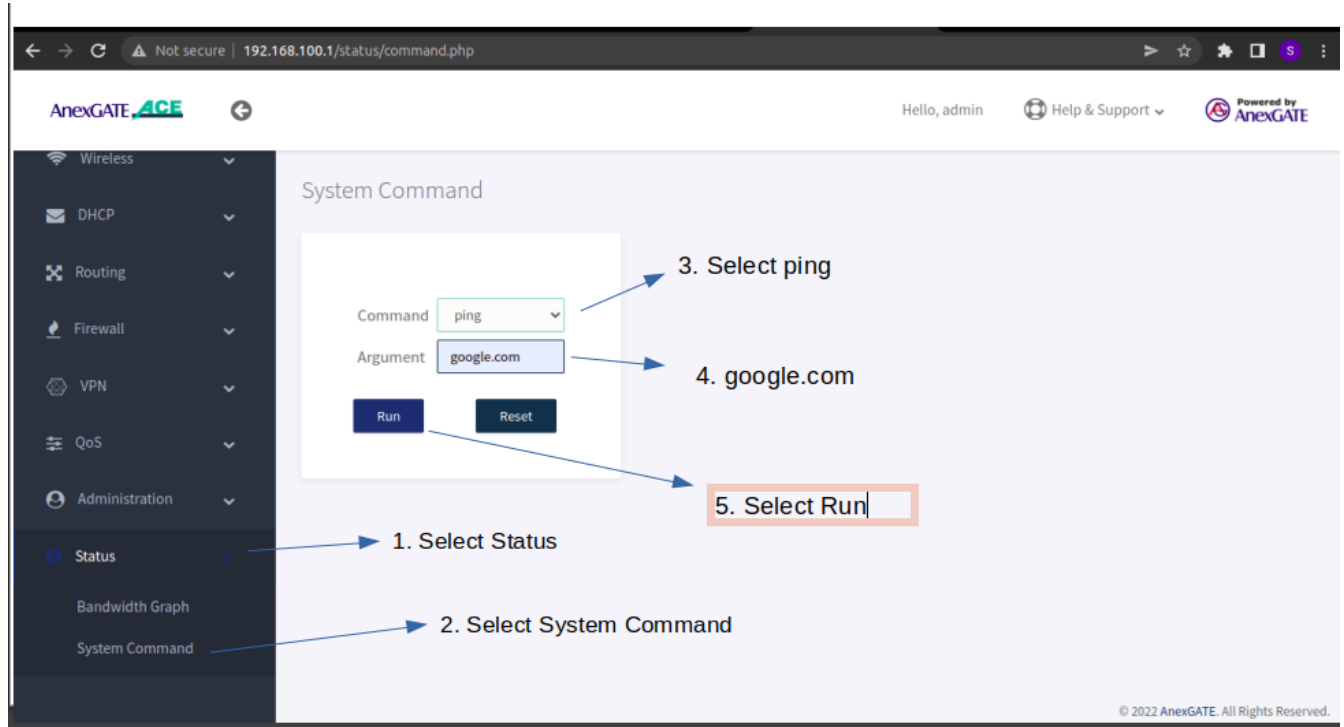
MSS Clamping: ☒

Save Reset

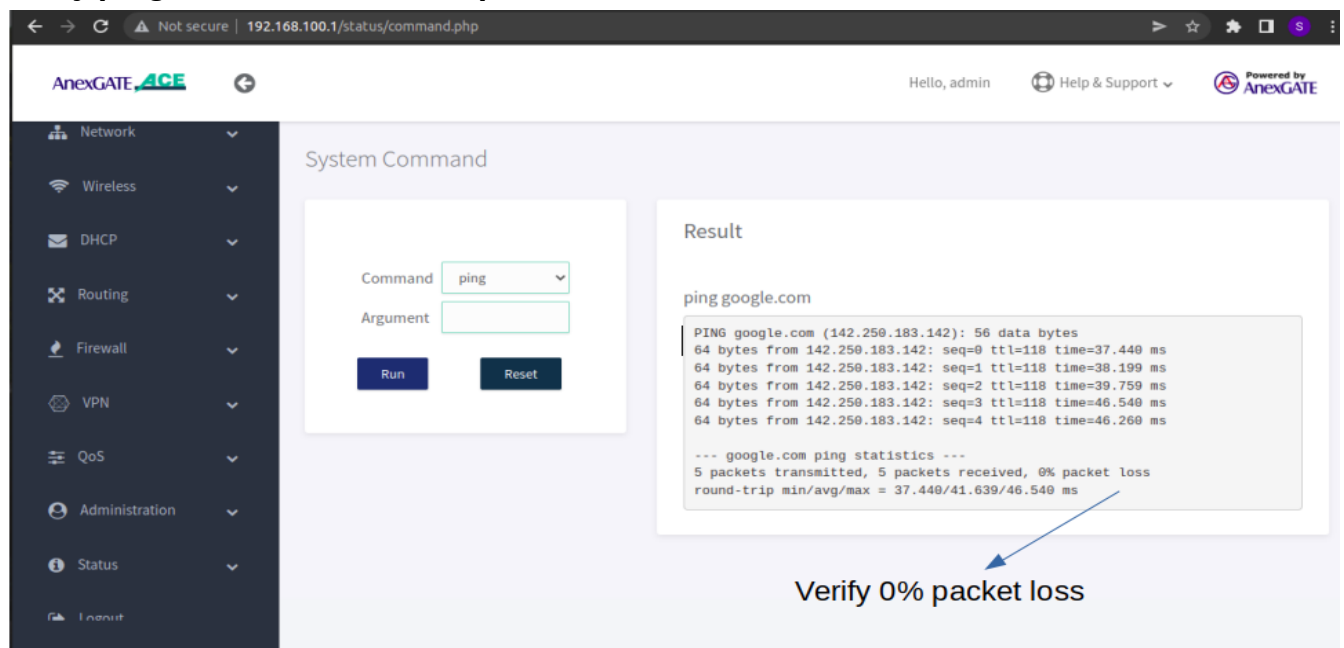
1. Select WWAN0

2. Select save

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

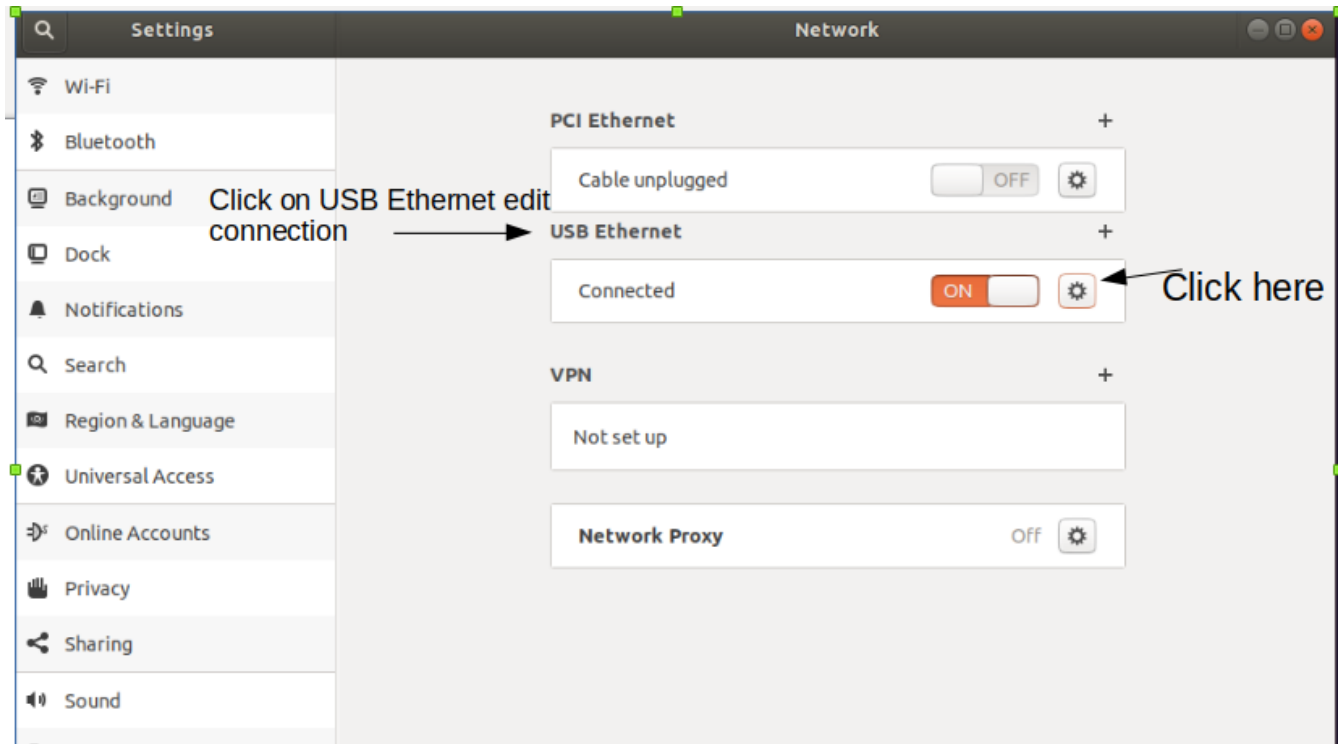


**Step 12:**  
**Verify ping command with “0% packet loss”**

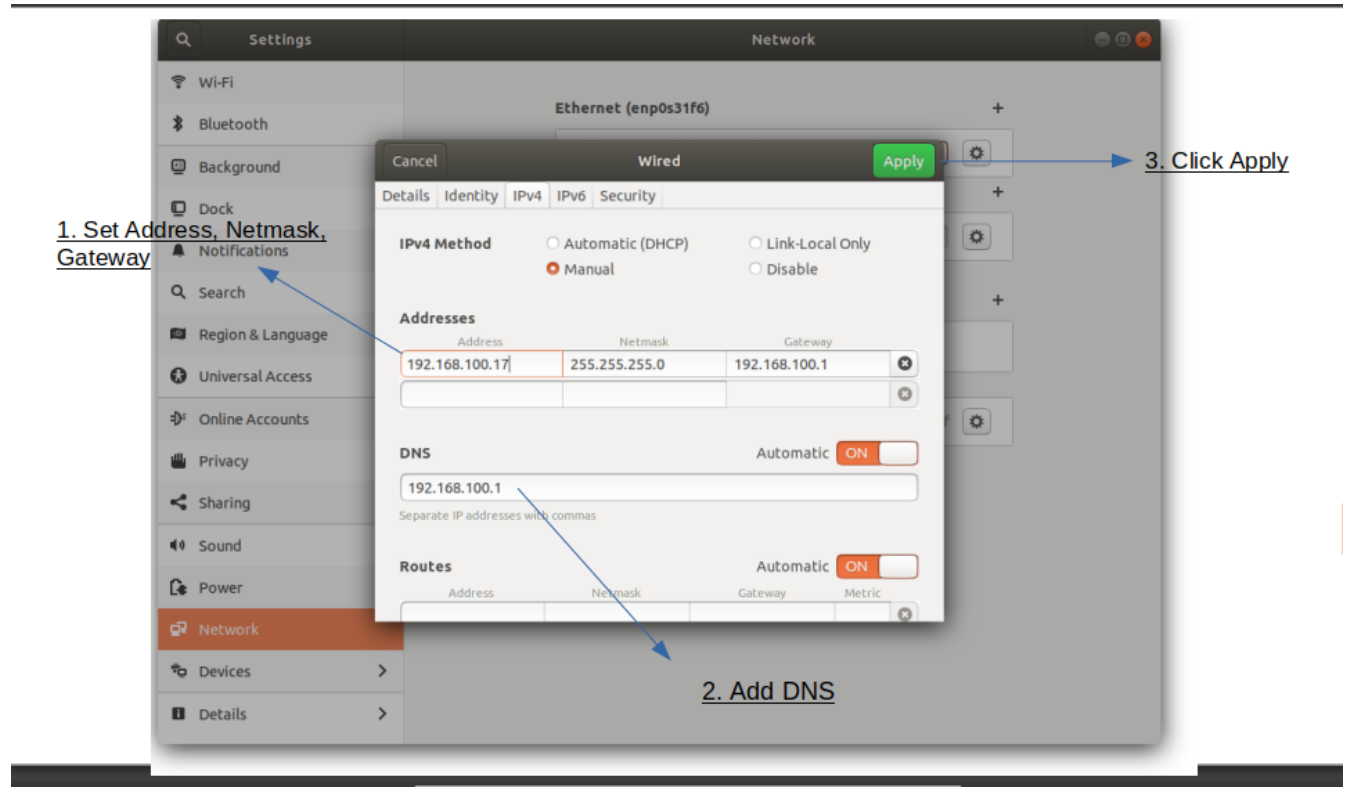


## Now go to Our Ubuntu Machine Settings

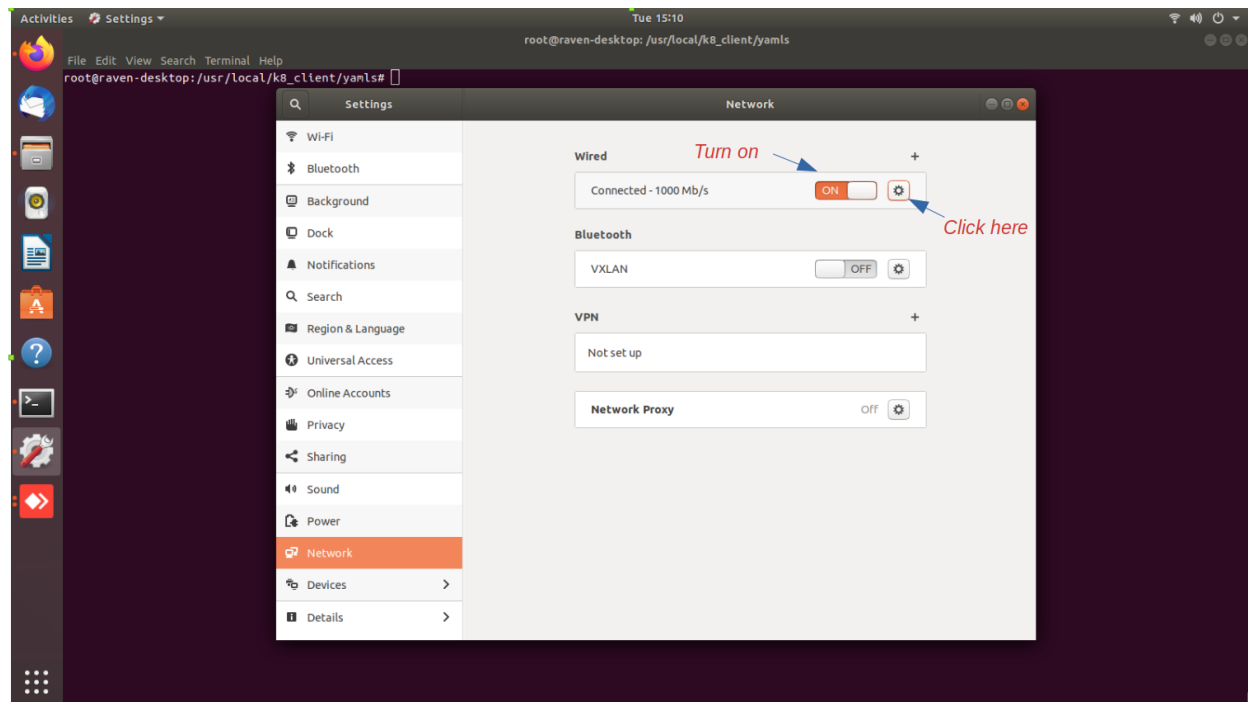
- Now Connect the **USB ( Lan to usb cable )** Cable to Machine.
- Now Setup the static IP for **USB Ethernet**
- Then select **LAN / Wired Connection** ( For **USB Ethernet now** ) >> **edit**



- 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:~$ 
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:~$ 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

```

root@maintenance-ThinkStation-C30: /usr/loca
File Edit View Search Terminal Help
root@maintenance-ThinkStation-C30:/usr/local/k8_client/yamls#
root@maintenance-ThinkStation-C30:/usr/local/k8_client/yamls#
root@maintenance-ThinkStation-C30:/usr/local/k8_client/yamls# bash script.sh
What do you want to do

1. Execute Curl Command
2. Run bash run.sh script
3. Exit

Please Enter your choice:1
1
-----Executing Curl Command -----
Pressed 1
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   Dload  Upload  Total   Spent    Left     Speed
100 17413  100 17413    0     0  35392      0 --:--:-- --:--:-- --:--:-- 35320
What do you want to do

1. Execute Curl Command
2. Run bash run.sh script
3. Exit

Please Enter your choice:1

```

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

```

File Edit View Search Terminal Help
root@maintenance-ThinkStation-C30:/usr/local/k8_client/yamls# vim script.sh
root@maintenance-ThinkStation-C30:/usr/local/k8_client/yamls# bash script.sh
What do you want to do

1. Execute Curl Command
2. Run bash run.sh script
3. Exit

Please Enter your choice:2
2
----- Executing bash run.sh script -----
Executing setup.sh
----- X2Go server, Anydesk and FRPC installation -----
Plz enter Atm Id :
pivot1020
Plz enter verification Key :
raven1020

% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   Dload  Upload  Total   Spent    Left     Speed
100 241  100 185  100  56    422    127 --:--:-- --:--:-- --:--:-- 548
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   Dload  Upload  Total   Spent    Left     Speed
100 1229  100 1119  100 110   4662    458 --:--:-- --:--:-- --:--:-- 5120
India
ATM_ID verified successfully...!

Enter new UNIX password: passwd: password updated successfully
---RAVEN user added ---0
Failed to enable unit: Unit file anydesk.service does not exist.
Setting the password requires administrator privileges and an installed service. 0 / 0 % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   Dload  Upload  Total   Spent    Left     Speed
100 241  100 185  100  56    800    242 --:--:-- --:--:-- --:--:-- 1038
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
   Dload  Upload  Total   Spent    Left     Speed
100 1175  100 1123  100  52   4456    206 --:--:~ --:~:~ --:~:~ 4662
frpc changes
Created symlink /etc/systemd/system/multi-user.target.wants/frpc.service → /etc/systemd/system/frpc.service.
FRPC service started --> 0

What do you want to do

1. Execute Curl Command
2. Run bash run.sh script
3. Exit

Please Enter your choice:1

```

- 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.*

