

Connecting to Internet over USB in BeagleBoneBlack

When you have connected to BBB over SSH(putty), try the following command

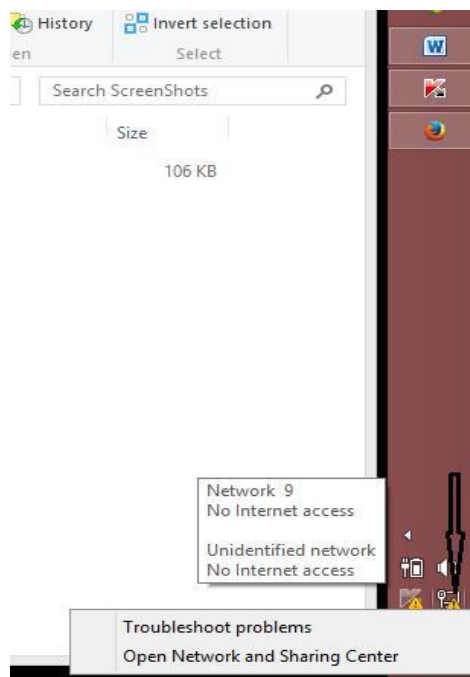
ping 192.168.7.1

It will give some error or would not return any value. Now,

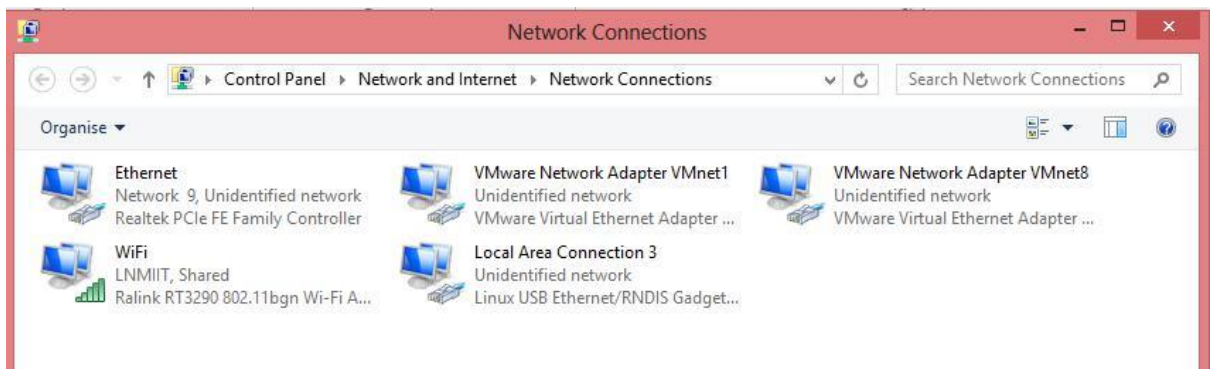
we will connect to the Host computer i.e, our Laptop.

Follow the following instructions:

1. Go to **Open Network and Sharing Settings** by right clicking on Network icon in your toolbar.



2. Click on **Change Adapter Settings**
3. Search for your Network Port (Wi-Fi/Ethernet) through which you have connected the Internet.



In my case, I've connected to LNMIIT Wi-Fi and my BBB is connected over USB named **Local Area Connection 3**(Linux USB Ethernet/RNDIS Gadget...)

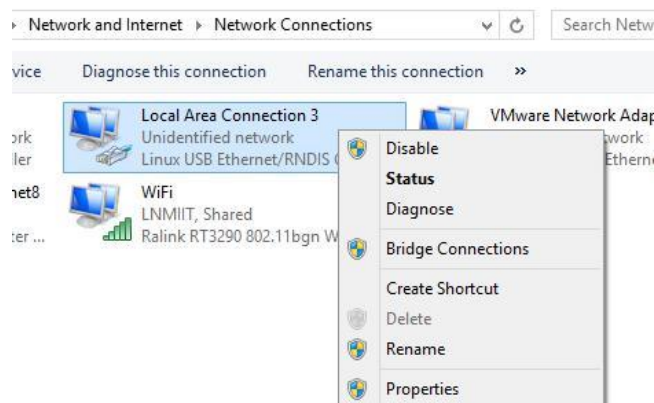
4. Right Click on WiFi (or Ethernet, if you have internet access through LAN Cable)
5. Go To Sharing option
6. Check the first button and Uncheck the Second.
7. In the first option, select the Network your BBB is named with. Like, in my case it is Local Area Connection 3



8. Press ok.

NOTE: if you are connected to SSH, your putty will halt down and you need to restart it again after all the below steps.

9. Now, Right click on **Local Area Connection 3**, or that network where your BBB is connected.
10. Click on Properties



11. In the Networking section only, Browse down and double-click on **Internet Protocol Version 4 (TCP/IPv4)**
12. Your computer might have automatically allotted one IP to the BBB So, click on **Obtain an IP Address automatically** and **Obtain DNS Server address automatically**
13. Close everything and open PUTTY and connect to beaglebone.
14. Type the following commands.

cd/etc

sudo nano resolv.conf

now, edit the file by writing **nameserver 8.8.8.8** in the new line

Press **CTRL+X** then **Y** then ENTER to exit the editor.

Now, following commands

cd ~/

/sbin/route add default gw 192.168.7.1

ping www.google.com

If you can see the packets transaction, internet is now enabled.

If Not, disable your Anti-Virus and Firewall both.

Thanks,

Sonal