Setting a Static IP for your Beagle xM on the A219 Lab Private Network

sudo nano /etc/network/interfaces

You should see:

auto lo
iface lo inet loopback
auto eth0
iface eth0 inet dhcp

If you don't see this, make it so!

This is for DHCP for ethernet interface 0.

Using nano (or vi), edit so it looks like this:

auto lo
iface lo inet loopback
auto eth0
#iface eth0 inet dhcp
iface eth0 inet static
address 192.168.1.21
netmask 255.255.255.0
network 192.168.1.0
broadcast 192.168.1.255
gateway 192.168.1.1

Setting up a static IP and network configuration in place of the DHCP and commenting out the DHCP.

Save the file (write it out in nano). Enter the following command to restart your network services:

sudo /etc/init.d/networking restart

Do ifconfig after it restarts and you should see:

ubuntu@omap:~$ ifconfig
eth0   Link encap:Ethernet HWaddr ba:9c:9f:92:31:3f
        inet addr:192.168.1.21 Bcast:192.168.1.255 Mask:255.255.255.0
        inet6 addr: fe80::b89c:9fff:fe92:313f/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:1797 errors:0 dropped:0 overruns:0 frame:0

TX packets:1662 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:1981724 (1.9 MB) TX bytes:263346 (263.3 KB)

Now, try this:

traceroute google.com

You should get:

ubuntu@omap:~$ traceroute google.com
traceroute to google.com (173.194.33.40), 30 hops max, 60 byte packets
 1 192.168.1.1 (192.168.1.1) 0.854 ms 0.854 ms 1.129 ms
 2 137.229.168.1 (137.229.168.1) 1.648 ms 1.496 ms 1.251 ms
 3 swa-6506-2 (137.229.255.2) 1.770 ms 1.434 ms 1.343 ms
 4 swa-m7-1 (137.229.254.185) 1.373 ms 1.464 ms 2.106 ms
 5 swf-m10-2 (137.229.255.117) 10.834 ms 10.651 ms 10.346 ms
 6 swf-m10-1 (137.229.254.217) 10.895 ms 14.527 ms 14.221 ms
 7 ge-0-1-0--511.icar-sttlwa01-02.infra.pnw-gigapop.net (209.124.190.242) 57.739 ms 57.465 ms 57.465 ms
 8 72.14.223.78 (72.14.223.78) 57.861 ms 61.218 ms 60.791 ms
 9 72.14.223.77 (72.14.223.77) 60.272 ms 60.242 ms 59.967 ms
10 66.249.94.214 (66.249.94.214) 59.783 ms 59.509 ms 59.234 ms
11 209.85.253.26 (209.85.253.26) 59.753 ms 58.258 ms 58.228 ms
12 sea09s02-in-f8.1e100.net (173.194.33.40) 57.861 ms 58.045 ms 57.984 ms
ubuntu@omap:~$

Now, you should also be able to do ssh ubuntu@sams -- fill in your name to replace mine -- from transformer as well.