

Startup and Shutdown Sequence for DesignLab

Start up PC

Turn on power switch on PC.
Select OS as Ubuntu.
Login as user with user_id and password.

Enable cross development environment in a terminal:
\$ cd ~/.../DesignLab // Replace `...` suitably
\$ source sh/ cde_bd_k3813-bone79

Enable NFS server
\$ sudo /etc/init.d/nfs-kernel-server start
\$ ps -aux | grep nfs
Or simply
\$ sh/start_nfs_server.sh

Start up Beaglebone

Connect cables selectively: Power, Ethernet.
Note that USB cable should be connected after power on, since USB cable can provide power to Beaglebone.
Turn on power supply.
Turn on power switch on TMR.

If USB cable is connected,
Start minicom on a terminal
\$ sudo minicom -w
Login as user with user_id and password
To exit Minicom, press 'Ctrl-A' to get a message bar at the bottom and then press 'X'.

If Ethernet cable is connected,
Start rlogin or ssh on other terminal
\$ ssh bkkim@192.168.100.18 // User@Beaglebone_Eth_IP

If using WiFi,
Start rlogin or ssh on other terminal
\$ ssh bkkim@192.168.100.17 // User@Beaglebone_WiFi_IP
rlogin or ssh can be terminated by typing "logout".

Test if network is turned on (check IP)
ifconfig

Note. Beaglebone with Debian 7.9 sometimes requires time to initialize the network. You may wait one minute or more to get IP of Beaglebone.

Start NFS client (as user)
cd ~
mkdir nfs_client // Do only once
sudo mount 192.168.100.12:/home/bkkim/DesignLAB ~/nfs_client // Use PC IP to mount
Or simply
cd ~
./start_nfs_client.sh

Do useful work.....

Shutdown Beaglebone

Type in Minicom or ssh terminal:

```
# sudo shutdown -h now
```

or your Beaglebone might be broken.

Shutdown PC

Click upper right icon with sawtooth shape, and select "Shutdown".

Or type in a terminal

```
$ sudo shutdown -h now
```