Summer School 2007 - QMC : Introduction to the labs

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On LINUX cluster (tun.ncsa.uiuc.edu)

User documentation http://www.ncsa.uiuc.edu/UserInfo/Resources/Hardware/XeonCluster/Doc/

- All the lab exercises are executed in **scratch-global** directory. Change to **scratch-global** by typing `cd scratch-global`
- To start an interactive job for an hour: `bsub -Is -n1 -W 1:00 tcsh`
- Your session begins as you see the prompt as
  [etrain1@tunb ~/scratch-global]$ bsub -Is -n1 -W 1:00 tcsh
  WARNING: Project was not specified, defaulting to wej (TG-TRA900337)
  Job <988078> is submitted to default queue <normal>.
  <<Waiting for dispatch ...>>
  <<Starting on tuna059>>
  [etrain1@tuna059 ~/scratch-global]$

Sample batch script

tun.batch

On tungsten

```
wget http://cms.mcc.uiuc.edu/wiki/download/attachments/5799998/tun.batch?version=2
```

Submit as

```
bsub < tun.batch
```

When you are done everyday

- Logout the laptop
- **Turn-off** the laptop

How to log on a LINUX training laptop

userid	training

No password is required.
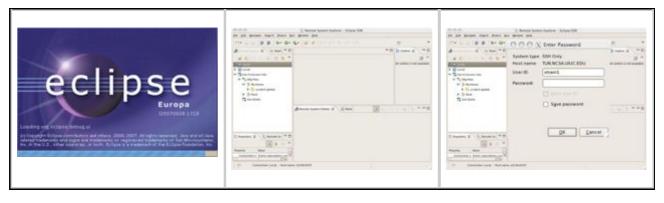
How to connect to LINUX cluster from your laptop

Your userid and password are printed on the back of your badge.

Using terminal

1. open a terminal
2. type: `ssh -Y userid@tun.ncsa.uiuc.edu`

Using eclipse remote target system

1. open a terminal
2. type: `src/eclipse/eclipse &`

Using www.qmcwiki.org workspace

- goto: http://www.qmcwiki.org/index.php/QMCSS07
- click on your name
- userid: qmcss07
- password is the same as the password on your badge