# Lab 1 (B170) management

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#### Racks

The racks are numbered from 1 to 4, left to right. They are labeled as such as of August, 2011.

#### **ATCA Crates**

The ATCA crates are numbered from 1 to 4, from bottom to top. Thus ShelfMgr4 refers to the shelf manager in the top-most (large) crate.

## **Patch Panel**

The Rack 4 patch panel is cabled to panels mounted near the work benches. These cables can carry either network or serial (RS-232) traffic.

Bench	Port
ATLAS IBL	1 - 12
EXO	13 - 24
LSST	25 - 36

## SLAC Network switch (Cisco) rtr-reg-11

- net-admin
- Antonio Ceseracciu (mailto:Antonio Ceseracciu )
- Switch status and configuration

# RCE Network switch (Foundry) reg-11-rce

- Management of the Foundry FastIron Workgroup X448 (FWSX448) is provided by our group
- Foundry switch commands
- Foundry manuals of varying ages can be found hereor other places on the net:
  - Foundry FastIron Stackable Hardware Installation Guide
  - Foundry FastIron X-Series Configuration Guide
  - Foundry Switch and Router Installation and Basic Configuration Guide
  - Foundry Enterprise Configuration and Management Guide
  - Foundry Security Guide
  - Foundry Switch and Router Command Line Interface Reference
  - Foundry Diagnostic Guide
  - Foundry Management Information Base Reference
  - Release Notes for the FastIron Workgroup Switch X-Series

## **Switch port assignments**

## IP address assignments

#### Digi Powerserver RS-232 server

- Model is Digi Portserver TS 16 MEI
- Manual can be found here

## New lab machine setup

## Taylor workgroup: dat

#### Adding a new user

- Issue training to the user on Lab 1 use. Points to make:
  - Avoid working in the room alone
  - O Get, and keep current, appropriate electrical training
  - Get a ladder if you need to get up high
    - No climbing on chairs, tables, benches, etc.
    - A spotter **must** be present in order to use a ladder
  - No access to stuff not part of your project
  - O Stay out of the racks unless access is really needed
    - High current sources present
  - No reconfiguration of computers
  - No reconfiguration of the network
  - Keep the work area clean
  - O Avoid accessing Lab1 through the middle hallway door
  - O Point out Dataflow Lab 1 Confluence page and have the user go over it
- Introduce the user to Mike
- · Create a computer account for the user
  - For the old method, see /reg/common/tools/bin/addlabuser, etc.
    - This is obsolete as of 1/1/2012, now that we have moved to unix-admin style maintenance. However, it may still be needed for legacy set-ups.
    - On rdsrv100, issue:

/reg/common/tools/bin/addlabuser <username>

- Puts user in the appropriate groups, e.g., lab-users
- Add --superuser to add the user to the sudo list, if necessary
- If this fails with a 'User not found in ou=People...' message issue:

/reg/common/tools/ldap-helpers/nis2ldap

- Retry addlabuser
- O Add the account to the u-reg-lab1 netgroup (NIS) with a request to unix-admin
- If the user is involved with RCE development (DAT, CTK, CCI, NPA, etc.):
  - o Send a request to confluence-admin to add the user to the cci-confluence-editors group and get the user CCI JIRA privileges
  - Add the user to the g-npaAFS group, if necessary
    - Needed for NPA cvs/svn access, as in, e.g., ATLAS
  - Add the user to the g-cciAFS group, if necessary
    - Needed for RCE development svn access

```
pts membership g-cci
pts adduser <username> g-cci
```

- $^{\circ}~$  Add the user to the <code>reg-lab1YP</code> group, if necessary
  - Needed for certain Lab 1 NFS disk operations

```
ypgroup exam -group reg-lab1
ypgroup adduser -group reg-lab1 -user <username>
```

- O Some dongles have udev rules that put the usb device into the group users
  - Add the user to the users group on the relevant host, if necessary

```
sudo /usr/sbin/usermod -G users <username>
```

- Add the account to the reg-lab listserv e-mail list (see below)
  - Send an e-mail to listserv with subscribe reg-lab <user>@SLAC.Stanford.edu in the message body
  - Can also add the user by going to listserv

#### List of authorized users

#### **Lab 1 Announcements**

- Listserv list name: REG-LAB (slaconly)
- Administration: REG-LAB-ADMIN (slaconly)
- List FAQ: http://www2.slac.stanford.edu/comp/messaging/Reference/listserv-faq.htm
- General help: listserv (slaconly)