

Some Observations from Yesterday

Most people have not set up their SLAC ATLAS environments.

Some tried, with some success.

Please try it:

<http://www.slac.stanford.edu/exp/atlas/computing/environment.htm>

and GIVE FEEDBACK!

The CVS access is a major pain

- SSH1 is a hack
- Hard to setup right so that you don't have to type your password 8 times / package

DQ2-*, Documented

Now you should be able to run any dq2-* commands from any machine. The commands are setup when you type "bash".

```
bash
voms-proxy-init -voms atlas
dq2-put --long-surls -s /xrootd/atlas/usr/f/fizisist/test
  user.DavidWilkinsMiller.misal1_csc11.005009.J0_pythia_jetjet.pile1sf01.AOD.v1
  3003003.verylow.TEST9

dq2-ls -f
  user.DavidWilkinsMiller.misal1_csc11.005009.J0_pythia_jetjet.pile1sf01.AOD.v1
  3003003.verylow.TEST9

cd /tmp
dq2-get
  user.DavidWilkinsMiller.misal1_csc11.005009.J0_pythia_jetjet.pile1sf01.AOD.v1
  3003003.verylow.TEST9
```

XROOTDocumentation

Files in xrootd have a URL-type format. You can add them to a job and Athena knows how to use them. An example file would be;
`xrdcp myFile.root root://atl-xrdr//atlas/xrootd/usr/g/gowdy/`

To access it in ROOT directly, do:

```
root[0] TXNetFile f("root://atl-xrdr//atlas/xrootd/usr/g/gowdy/myFile.root");
```

```
ssh atlint01.slac.stanford.edu  
cat /xrootd/atlas/usr/a/ahaas/test.txt
```

Importing Datasets (to XROOTD)

To actually start the import using the following command (the --archive flag makes sure it doesn't automatically get deleted after a week).

```
dq2-register-subscription --archive <dataSet> SLACXRD
```

It will take some time for the data to appear. You can check with;

```
dq2-ls -f <dataSet> -L SLACXRD
```

to see how many files are available locally.

To get the list of files you can use a command like the following:

```
dq2-ls -L SLACXRD -fp <dataSet> | cut -d "?" -f 2 | sed  
s%SFN=/xrootd/atlas%root://atl-xrdr//atlas/xrootd%
```

And you can make a PoolFileCatalog.xml file directly:

```
dq2-ls -L SLACXRD -P <dataSet>
```

```
sed
```

```
s%srm://osgserve04.slac.stanford.edu:8443/srm/v2/server?SFN=/xrootd/atlas%r  
oot://atl-xrdr//atlas/xrootd%g PoolFileCatalog.xml >! PoolFileCatalog.xml
```