LTERgrid User Setup

Updated: September 14, 2005

Summary

1. Obtain a user certificate signed by the NCSA CA.
2. Request an account and allocation on HPC (tungsten) at NCSA.
3. Request an account on the POP server.
4. Add proxy certificate to MyProxy at roadrunner.lternet.edu
5. Point browser to http://roadrunner.lternet.edu
6. Use you LDAP userid/password on the logon page

Details

Obtain an NCSA CA-signed User Certificate

You need to first obtain an NCSA user certificate. That's necessary because we are using NCSA production HPC facilities, which only trust a limited number of certificate authorities. For instructions on obtaining an NCSA cert, see:

http://www.ncsa.uiuc.edu/UserInfo/Grid/Security/GetUserCert.html

Add Proxy Certificate to MyProxy Server

There are two authentication options, depending on whether you have an LTER LDAP account or not.

1. LTER LDAP -- use your LDAP username and password for authentication. But when you execute myproxy-init, pass it "-n" (equivalent to --no-passphrase) to leave the credential unencrypted.

   If your local username does not match your username is the LTER LDAP directory, then you must use the 2nd form of this command, specifying your LDAP username using the "-l" option.

   ```
   bash
   . $GLOBUS_LOCATION/etc/globus-user-env.sh

   myproxy-init –n –s roadrunner.lternet.edu
   myproxy-init –n –s roadrunner.lternet.edu -l <LDAP username>
   ```

   If you leave your credential on roadrunner unencrypted, it still will not be accessible to other people, since MyProxy doesn't allow unauthenticated access to credentials. You are free encrypt it, but then you will need to access the LTER

pilot application with your MyProxy passphrase instead of your LDAP password.

2. Encrypted user certificate. If you don't have an LDAP account, you can just use the MyProxy server as you would normally, with a passphrase-encrypted credential. Your MyProxy passphrase will become your LTER pilot application password.

```
bash
. $GLOBUS_LOCATION/etc/globus-user-env.sh

myproxy-init -s roadrunner.lternet.edu
```