FeSL Installation

This document is out of date. Please see: FeSL Installation

Test environment:

- Mac OS X 10.6 (Snow Leopard)
  - Java 1.5 (32-bit from OS X 10.5 Leopard installation, but the default 64-bit Java6 should work fine)
  - Maven 2.0.9
- Fedora 3.3
  - Tomcat 6.0.20

Oracle Berkeley DB XML

adapted from: http://www.muradora.org/muradora/wiki/InstallingRampPDP

1. dbxml (versions prior to 2.5 include xerces-c 2.x, which does not build correctly in OS X 10.6)

   ```
   ./buildall.sh --prefix=/usr/local/dbxml-2.5.13 --enable-java
   ```

   Note: this is a quite lengthy build. Take the dog for a walk and come back.
2. set environment variables

   ```
   export DBXML_HOME=/usr/local/dbxml-2.5.13
   export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:${DBXML_HOME}/lib
   export DYLD_LIBRARY_PATH=${DBXML_HOME}/lib:$DYLD_LIBRARY_PATH
   ```

   (DYLD_LIBRARY_PATH might only be necessary for OS X)
3. Windows warning: Oracle priovides only a 32-bit MSI. 64-bit Windows will require a build from source.

fedora

```
svn co https://fedora-commons.svn.sourceforge.net/svnroot/fedora-commons/fedora/trunk fedora
cd fedora
mvn install -P fedora-installer
java -jar fcrepo-installer/target/fcrepo-installer-3.3-SNAPSHOT.jar
```

Select "custom" and accept all defaults and "included" options except for "Enable FeSL" which should be "true".

Start Tomcat, e.g.:

```
$CATALINA_HOME/bin/startup.sh
```

fcrepo-security-pep

1. Sanity check: verify that http://localhost:8080/fedora/search works for fedoraAdmin, but returns authorization denied for a valid, but non-adminstrator role (create one in $FEDORA_HOME/server/config/fedora-users.xml)

fcrepo-security-jaas

1. Configure the `$FEDORA_HOME/server/config/jaas.conf` file.
2. View the fedora-jaas documentation: FESL Authentication Module