

Essential Commands for Linux

DOS Command	Linux Command
dir	ls -l
cd <directory>	cd <directory>
mkdir or md <directory>	mkdir <directory>
rmdir or rd <directory>	rmdir <directory>
chdir	pwd
del or erase <file>	rm <file>
copy and xcopy <file>	cp and cp -R <file>
find or findstr <file>	grep <string> <file>
comp <file1> <file2>	diff <file1> <file2>
edit <file>	nano or vim or emacs <file>
ping <host>	ping <host>
reboot	reboot

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Tips and Tricks for Hands-On Session

- Restart the Tomcat daemon after changes
 - Unless otherwise mentioned
- Delete session cookies after changes (or restart browser)
 - Should not be necessary but is safer for testing
- SSH access to connect to your VM (only with VirtualBox)

```
$ ssh -p 2222 sp-admin@127.0.0.1
```

The password is 'password'
Useful for `$ tail -f /var/log/shibboleth/shibd.log`
- On the VM you will find a web page with useful bookmarks
In your web browser open:
`https://aai-login.example.org/`

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Test Users on your Identity Provider

- **Username:** student1 **Password:** password1
UniqueID: 2490257@example.org
Givenname surname: Test1 Student
Affiliation: student;member
Entitlements: urn:mace:dir:entitlement:common-lib-terms

- **Username:** student2 **Password:** password2
UniqueID: 8548997@example.org
Givenname surname: Test2 Student
Affiliation: student;member
Entitlements: urn:mace:dir:entitlement:common-lib-terms

- **Username:** staff3 **Password:** password3
UniqueID: 7622788@example.org
Givenname surname: Test3 Staff
Affiliation: staff;member
Entitlements: urn:mace:dir:entitlement:common-lib-terms

Important Directories

- /opt/shibboleth-idp/
 - **Identity Provider installation directory**

- /opt/shibboleth-idp/conf/
 - **Configuration files**

- /opt/shibboleth-idp/logs/
 - **Log files like idp-process.log**

- /opt/shibboleth-idp/credentials/
 - **X.509 certificates and private keys**

- /opt/shibboleth-idp/edit-webapp/
 - **Changes for web application that survive upgrades**