

# Unix Guide for CS187

Fall 2012

## 1 Connecting Remotely to the Edlab Machines

1. You will need to use an SSH client to connect to the Edlab machines.

Windows:

- Putty is free and easy to use: <http://www.chiark.greenend.org.uk/~sgtatham/putty/>  
You should download putty.exe
- SecureCRT can be downloaded from UMass OIT: <http://www.oit.umass.edu/software/securecrt>

Mac:

- The Terminal program should already be installed.

2. Now you can connect to a remote machine:

<USERNAME> is your username, which is usually the same as your OIT account

<HOSTNAME> is elnux1.cs.umass.edu, elnux2.cs.umass.edu, elnux3.cs.umass.edu, elnux4.cs.umass.edu or elnux7.cs.umass.edu

Note: If you use elnux.cs.umass.edu as a hostname it will choose the machine that is least busy.

Windows:

Enter this information in the correct fields of your SSH client login screen

Mac:

Run the following command -

```
ssh <USERNAME>@<HOSTNAME>
```

\*We will tell you your default password during class and the discussion section\*

### 3. Change your password

You should change your password from the default one the first time you log in. Type:

```
yppasswd
```

on the command line, hit enter, and follow the instructions.

## 2 Using the Command Line

Here are some useful commands to help you navigate the Edlab machines:

- pwd - display the path of the current directory
- ls - list the contents of the current directory
- cd - change current directory to another location
- mv - rename a file
- cp - copy a file
- mkdir - creates a new directory

The path to your course home directory is:

```
/courses/cs100/cs187/USERNAME
```

## 3 Copying Files to your Edlab CS187 Directory

Windows: Download a program to copy files between machines. WinSCP and a version of Putty can do this.

Mac:

Use the scp command:

```
scp <File Location> <Destination>
```

So if your current directory contains your java code for project 1, then the command would look something like this:

```
scp proj1.java USERNAME@elnux1.cs.umass.edu:/courses/cs100/cs187/USERNAME/
```

Note: You will be asked to enter your password before the file is copied.