

# Course Prep

# Login/Logout UNIX System

- ❖ Login with user name and password
  - ◆ You need to apply an account on the Linux system in CS LAB (it's different from your account for CS Window Systems??)
- ❖ Change password with command “**passwd**”
  - ◆ Be smart in choosing the password
- ❖ Logout with “**exit**” command
  - ◆ Always log out the system when you are done

# CS Computer LAB

- ❖ The UNIX/Linux system account might be different from that for the Window Systems (ask CS helpdesk)
- ❖ If you have a CS email account, then you already have the account on the Linux systems.
- ❖ The list of Linux systems in TH N328
  - ◆ *duchess dakota marauder havoc invader catalina lightning hawker conquest shrike crusader*
- ❖ The `/home/CS` directory is shared with all the above systems
- ❖ These systems can be accessed remotely through “ssh” client program on your Windows system
  - ◆ I have put the last free version of [SSH SecureShell Client and PuTTY](#) for Windows on class website: <http://www.cs.uah.edu/~hlin/cs390/>
  - ◆ Remote file transfer b/w Windows and Linux systems and b/w Linux systems/MacOS system; among Linux systems.
- ❖ You are NOT required to work the assignments on one of these Linux systems, but the work should be tested on one of these systems before submitted

# Access CS Linux Systems From Windows

## ❖ From a Windows system

- ◆ Download and install the ssh client program from the link provided on class website
- ◆ You will get two icons on your Desktop after the installation:
  - SSH Secure File Transfer  
For transfer files between the Windows system and a Linux system through network
  - SSH Secure Shell Client  
Remote logon to a Linux system and work on it

## ❖ From a Linux/Unix system or Mac terminal

- ◆ Remote login using `ssh`

```
ssh hlin@lightning.cs.uah.edu
```

- ◆ Remote file transfer using `scp` (you will be prompted for password)

- Transfer files from local to remote system

```
scp local_file1 local_file2 linh@pearl.itsc.uah.edu:
```

```
scp -r local_dir linh@pearl.itsc.uah.edu:
```

- Transfer files from remote system to local

the dot refers to the current local place/dir; or keep the same name as the remote/local

```
scp linh@zeta.itsc.uah.edu:remove_file .
```

```
scp -r linh@zeta.itsc.uah.edu:/path/to/remote_dir .
```

# Access CS Linux Systems From Mac or Linux System

- ❖ Remote login using `ssh`

```
ssh hlin@lightning.cs.uah.edu
```

- ❖ Remote file transfer using `scp` (you will be prompted for password)

- ◆ Transfer files from local to remote system

```
scp local_file1 local_file2 alin@pigpen.itsc.uah.edu:  
scp -r local_dir alin@pearl.itsc.uah.edu:
```

- ◆ Transfer file from remote system to local

```
scp linh@zeta.itsc.uah.edu:remove_file .  
( the dot refers to the current local place)
```

```
scp -r linh@zeta.itsc.uah.edu:/path/to/remote_dir .
```