Linux Login Primer

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1. Logging into the UISACAD5.UIS.EDU Server

Note: If you are connecting to uisacad5 from off-campus you MUST first connect to the campus VPN located at https://secureconnect.uis.edu If you need assistance using or setting up the VPN please contact the UIS Helpdesk.

To log onto the uisacad5.uis.edu server, you must use SSH. In this primer PuTTY will be our SSH client. PuTTY is open source software. Download and install PuTTY from the Course Resources in Blackboard or from http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html.

Note: If you would like to run PuTTY applications from the windows command prompt open **Control Panel**, click **Advanced System Settings**, click **Environment Variables** select **PATH** and click **Edit**. Paste the following at the end of **Variable value:** (this will take effect the next time you logon)

;C:\Program Files\PuTTY

In the PuTTY Configuration window, enter **uisacad5.uis.edu** for the host name, select Connection Type SSH, and then click the Open button, as shown in Figure 1.
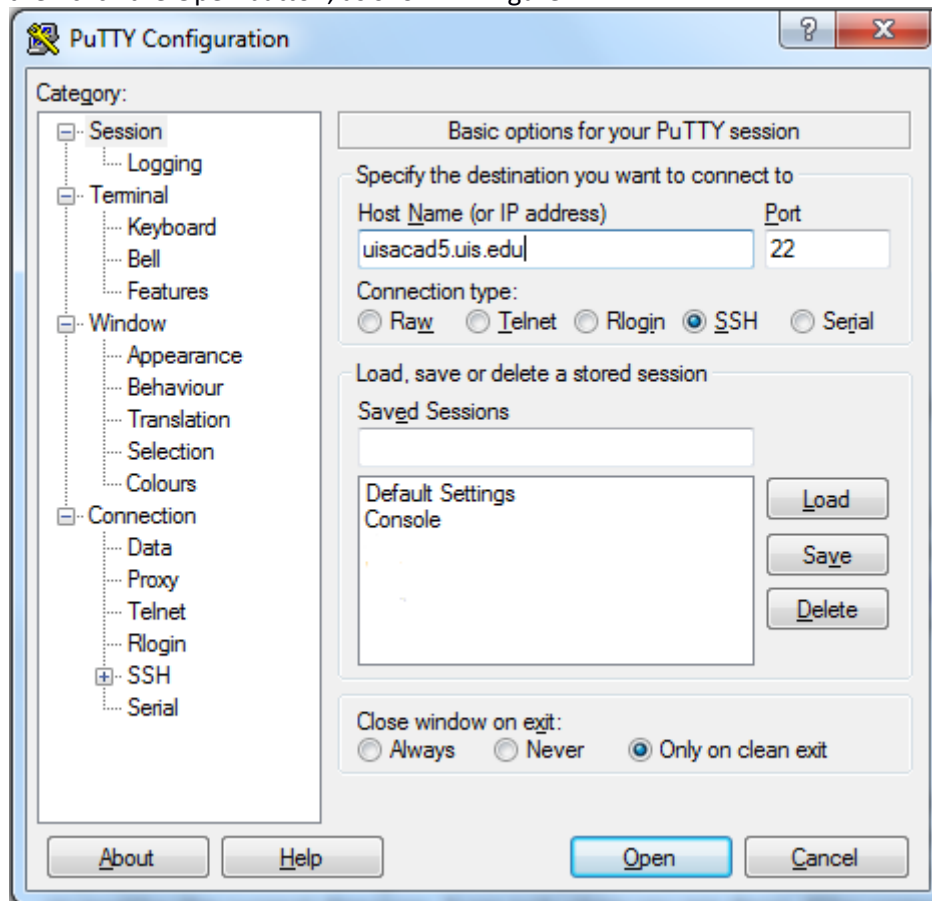

Figure 1: PuTTY Configuration

After clicking the Open button, a new window will open. Enter your UIS NetID at the *login as:* prompt, hit enter, then type your password and hit enter again as shown in Figure 2. A Linux command prompt should be displayed for a successful login. **Note:** All UIS accounts are created automatically on your first login to the uisacad5 server.   From here you can enter Linux commands such as **ls** for directory listing, or **pwd** to display the current directory. Type **exit** when you are done. If for some reason your password is not accepted, it may be necessary to reset your UIS account password at: https://www-s.uis.edu:443/netid/servlet/Password
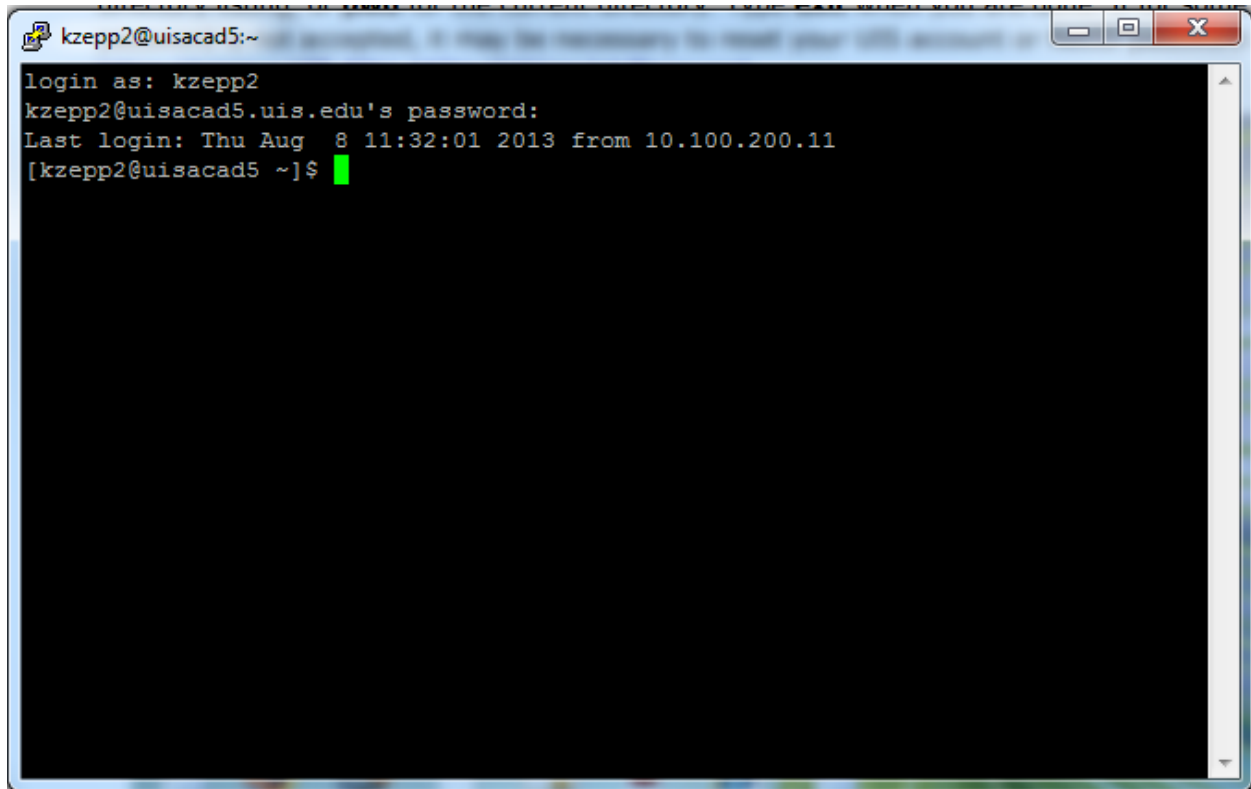
```
login as: kzepp2
kzepp2@uisacad5.uis.edu's password:
Last login: Thu Aug  8 11:32:01 2013 from 10.100.200.11
[kzepp2@uisacad5 ~]$
```

Figure 2: UISACAD5.UIS.EDU server

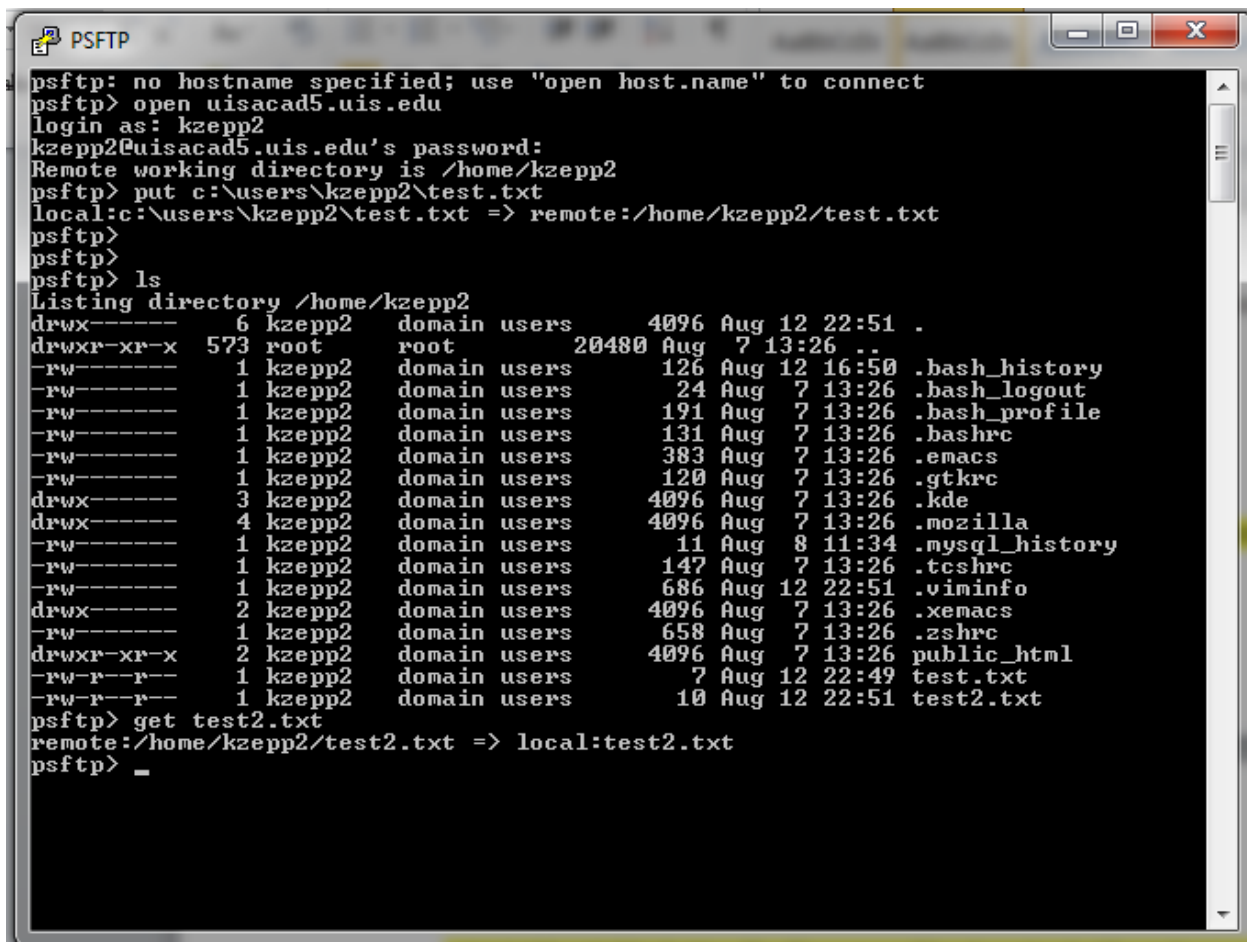**2. Uploading a File from the PC to the server**

There are several ways to upload a file to the uisacad5.uis.edu server. This example demonstrates uploading a file named *file.txt* saved on your PC to the uisacad5.uis.edu server.

a. Run the **psftp** program, type **open uisacad5.uis.edu**, then hit enter. Enter your NetID and password (same account and password used in email or Blackboard).
b. At the **psftp>** prompt, type: **put c:*path**to**file.txt***
c. When the file transfer is completed, the **psftp>** prompt appears. The uploaded file will be saved in your home directory on the uisacad5.uis.edu server.
d. Type **exit** to quit psftp

3. Downloading a File from the Server to a PC

a. Follow step a from above
b. Type **ls** to see all your files and directories of the server. Use **lpwd** to see your current local directory and **lcd** to change which local directory the file will be downloaded into.
c. At the **psftp>** prompt, type: **get** *filename*

d. Type **exit**, to quit psftp

Figure 3: get and put files with psftp

For more help and examples on using PSFTP please visit the following link:

http://the.earth.li/~sgtatham/putty/0.52/htmldoc/Chapter6.html

4. Using a Mac to connect to the server

Mac computers already use a Unix-based operating system. Once connected to the VPN (if necessary) you can connect directly to the server without using PuTTY. Here's how to connect:

Application -> Utlities -> Terminal, then type: ssh YourNetID@uisacad5.uis.edu, press enter. Then type your password when prompted.

You can copy files to and from the server using the program **scp** which is included on a Mac. For a tutorial on scp see this page:

https://www.garron.me/en/articles/scp.html