Linux Howtos
Remote Access to Opus (AKA OSLab) (143)
CIS 90 – Fall 2014

Remote Access to Opus (AKA OSLab) (143)

This Howto shows how to remotely access the Opus Linux system on campus. Opus is used for doing and submitting lab assignments. You will hear this system referred to as either Opus or OSLab. Internally we use Opus. However on the Internet this system is known as OSlab.

Supplies

- Windows PC, Linux system or Mac
- A reasonably fast Internet connection

Overview

CIS Lab on Aptos Campus

Internet

vmserver3 (VMware ESXi server)

CentOS

Opus

The Opus system is actually a virtual machine hosted on a physical VMware ESXi server in the CIS Lab

Home   School
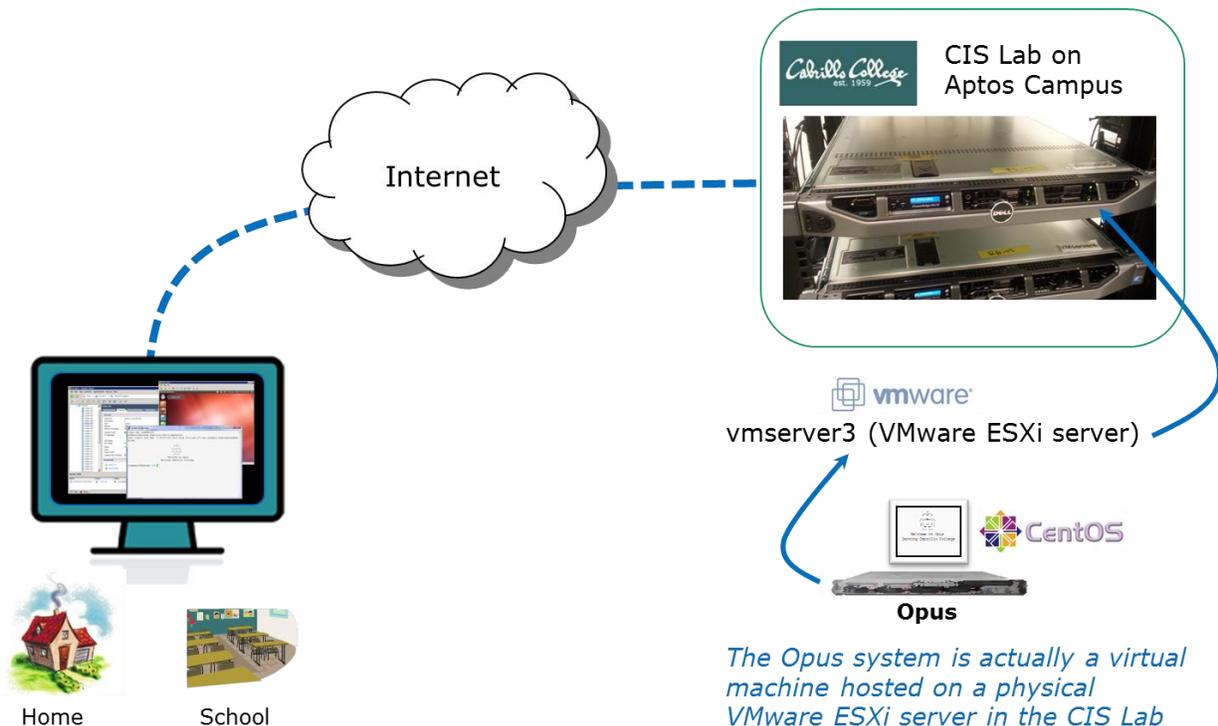
SSH is used to access the **Opus** server. Windows doesn't include ssh so the PuTTY program must be installed. Mac and Linux users already have ssh.

Mac or Linux Users

Step 1 – Connect to Opus

Run the terminal application and issue this command using your Opus username:

```
ssh -p 2220 username@oslab.cis.cabrillo.edu
```

You may get a warning like this:

```
The authenticity of host '[oslab.cis.cabrillo.edu]:2220
([2607:f380:80f:f425::230]:2220)' can't be established.
RSA key fingerprint is 7d:32:80:b9:52:32:c8:dc:3b:16:0e:ba:8c:fd:79:ef.
Are you sure you want to continue connecting (yes/no)? yes
```

Type yes to continue.

Skip the next section on Windows and go to the *Login for All Users* section below.

Windows Users

Step 1 – Download and install PuTTY

Browse to the PuTTY Download Page:

http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html
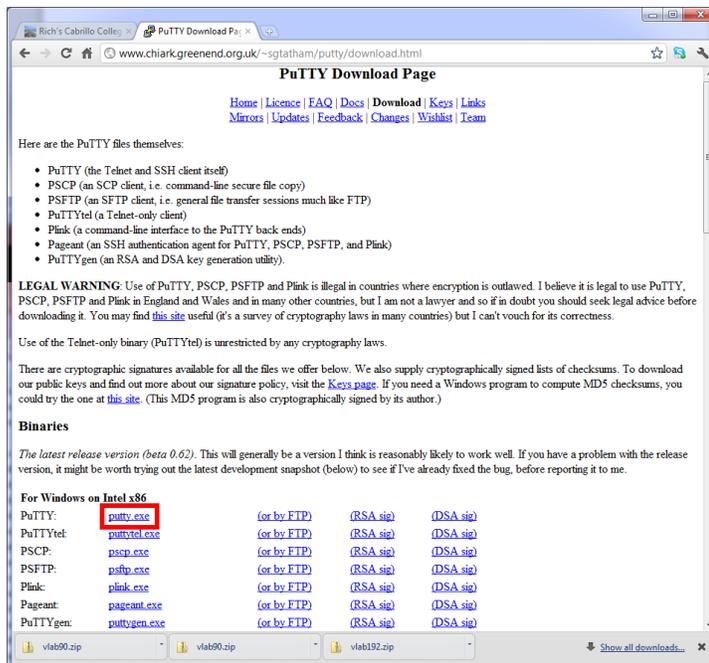
There are two PuTTY downloads. One is the latest release version and the other is a development snapshot. Download the latest release version which is more stable.

Save the downloaded file to your desktop so you can find it again.

Step 2 – Connect to Opus

Find the downloaded file and double-click it to run. If you did not save the file to the desktop you can make a shortcut (right-click on putty.exe) and drag the shortcut to the desktop or Start button.

putty.exe

You may see this warning:
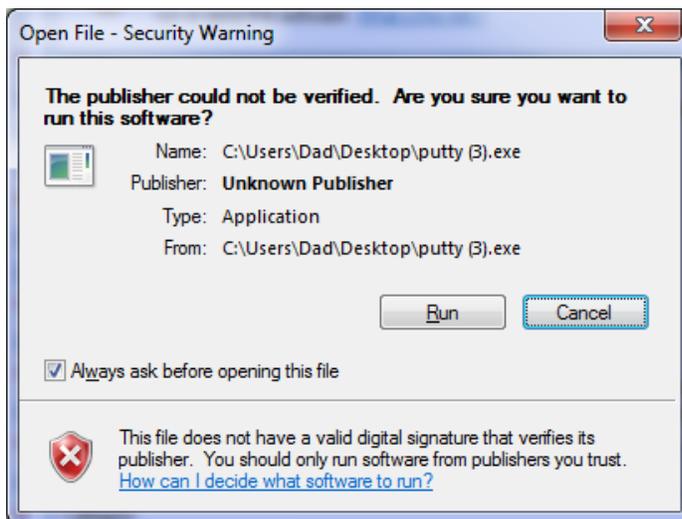
Click on Run to continue

Host Name: **oslab.cis.cabrillo.edu** and Port: **2220**
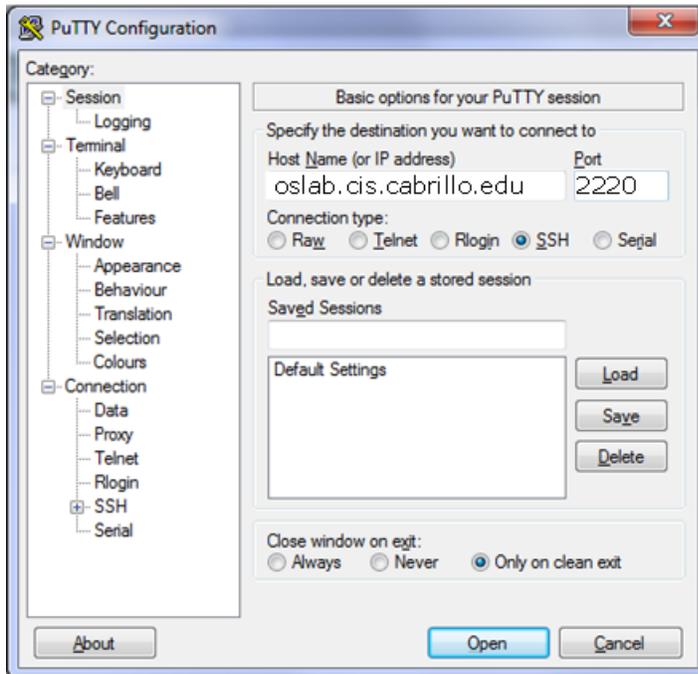
Click Open to continue

You may see a warning like this:
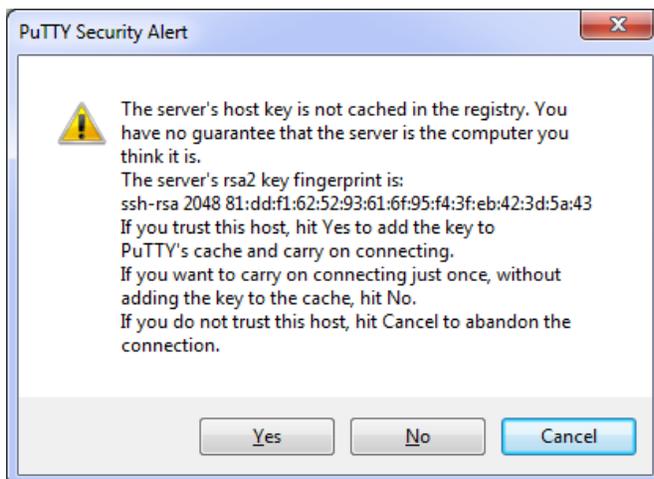
Click Yes to continue

Login for All Users

Use your own Opus username and password to login

username

password
(not echoed)
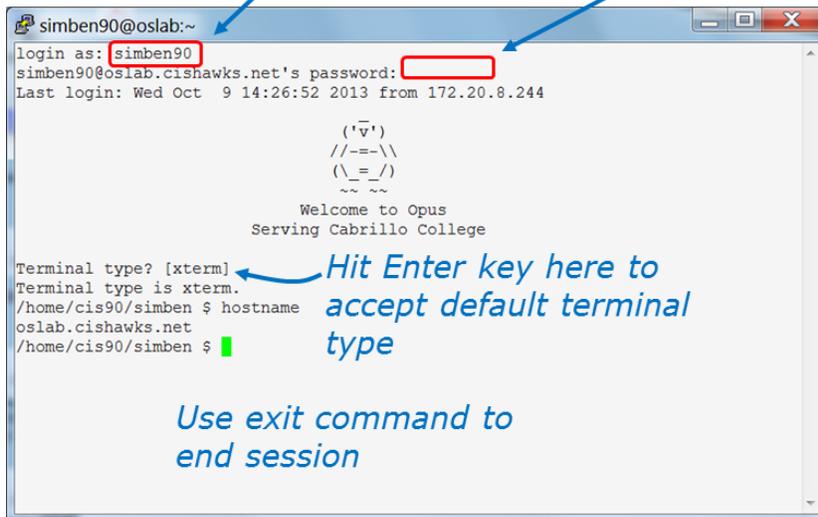

```
simben90@oslab:~
login as: simben90
simben90@oslab.cishawks.net's password:
Last login: Wed Oct  9 14:26:52 2013 from 172.20.8.244

                        ('v')
                       //-=-\\
                       (\_=_/)
                        ~~  ~~
                    Welcome to Opus
                Serving Cabrillo College

Terminal type? [xterm]        Hit Enter key here to
Terminal type is xterm.       accept default terminal
/home/cis90/simben $ hostname type
oslab.cishawks.net
/home/cis90/simben $ █
                     Use exit command to
                     end session
```

Note, you may get white text on a black background. The image above had PuTTY settings customized to show black text on an off-white background.

When finished, type the **exit** command. This will log you off and automatically disconnect.