

How to Use MobaXterm to Connect to a SECS Linux Server

Before you start

You should have the following information before you begin

SERVER_NAME = the name of the server you wish to connect to. If you don't know ask your professor or see the [servers tab](#) on SECS Technology web page.

USERNAME = your SECS username.

PASSWORD = your SECS password.

(when you see *PASSWORD*, *USERNAME*, or *SERVER_NAME* throughout the rest of the text replace it with the appropriate value.)

You will also need to be connected to the Universities wired network or the SECS VPN before you are able to connect to any SECS server.

Connect to *SERVER_NAME* using MobaXterm

Download and install MobaXterm

The home edition can be downloaded by following the link on <http://mobaxterm.mobatek.net/download-home-edition.html>

Use the default install options.

After the install is complete launch MobaXterm.

Start SSH session

When MobaXterm Loads you will be presented with a welcome screen and a terminal prompt.

See the following command :

```
$ ssh USERNAME@SERVER_NAME
```

For Example

```
$ ssh astudent@beatles.secs.oakland.edu
```

You will prompted for your *PASSWORD* and asked if you would like to save your *PASSWORD*. I recommend not saving your *PASSWORD*.

You are now connected to the server.

Demonstration of features

You can run standard Linux commands like `cd`, `ls`, or `pwd`. In addition you can launch graphical applications.

Type:

```
gedit Xtermtest.txt &
```

This will launch a graphical text editor named `gedit` on the server (The “&” launches `gedit` in the background so you can still use your prompt). Type some sample text into the document and save.

If you update the SFTP menu bar, by clicking the refresh button, you should be able to see the `XtermTest.txt` file you just created. This file is on your SECS network share. You can use right click and download the file to your computer.

For more details on features and a short video, see <http://mobaxterm.mobatek.net/features.html>

Alternative ways to connect to Linux Servers

MobaXterm is just one client that can be used to connect to our Linux servers. It is only available for Windows. It uses `ssh` and X-forwarding and is fairly straight forward to use. It does require the user to be familiar with the command line, as it does not make a full graphical desktop connection. But it does allow for multiple graphical applications to be run at the same time.

Alternative recommended connections tools are:

1. Nomachine's NX
2. XQuartz/X11