# Setting up an SSH Tunnel

Mac/Linux:

1. Open "Terminal" and run the following command. Replace <username> with your CAC username and <port> with the port number assigned to you.
2. Type "yes" and hit enter. This should only prompt you the first time
3. Enter your password and hit enter

```
ssh -L <port>:localhost:5000 <username>@portal.cac.queensu.ca
```

Windows:

1. Download PuTTY from here: https://the.earth.li/~sgtatham/putty/latest/w32/putty.exe
2. Under the "Session" heading fill in the information as below. Note that the value under "Saved Sessions" can be whatever you choose.
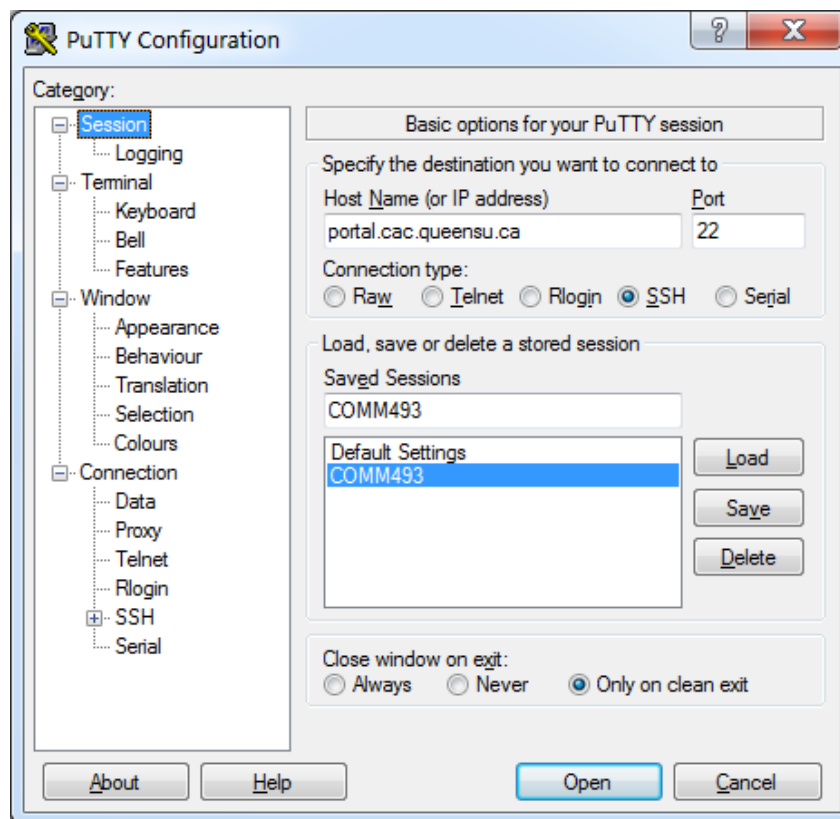
3. Expand "Connection" and click "Data"
4. Enter your CAC username under the "Auto-login username" field as shown below
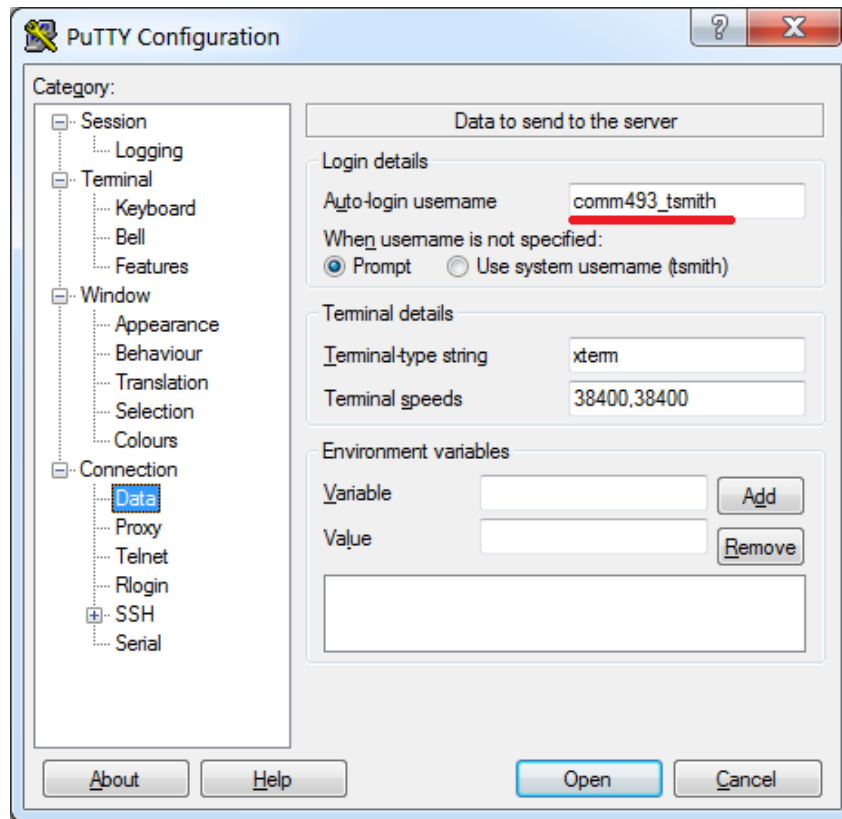
5. Under "Connection" expand "SSH" and click "Tunnels"
6. Set the "Source Port" to be 5000
7. Set "Destination" to be "localhost:<port>" where <port> is the port number assigned to you.
8. Click "Add" and it will look like the screenshot below. Example shown is assuming use of port "5005"
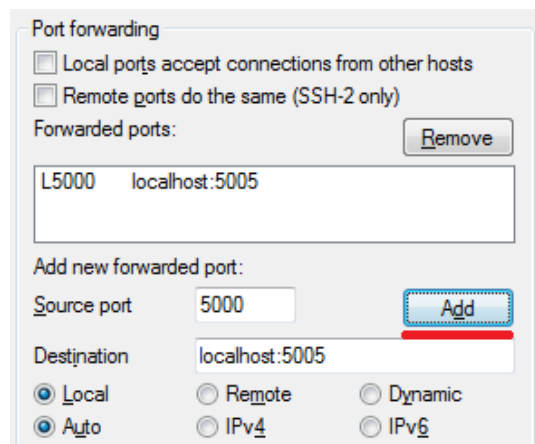
9. Click back to "Session" and click "Save" and then click "Open"
10. If prompted for "yes" or "no" type "yes" and hit enter (this should only prompt you the first time), otherwise go to step #11
11. Type in your password and hit enter

After Connecting and after you've run welcome.py

1. You will be now be able to access your running application in your local browser going to the following URL: http://localhost:5000