Remote Access to College Unix Servers

If you are not connected to UH campus internet, you need to first connect to UH campus network with VPN before you can connect to the college Unix servers.

The instructions in this document are likely to work for remote access services at other universities or institutes as well.

Anyconnect:

Use *Cisco AnyConnect VPN Client for Windows* to connect to UH network first if you are not physically on campus. For software download and the detailed installation steps, please check the link below:
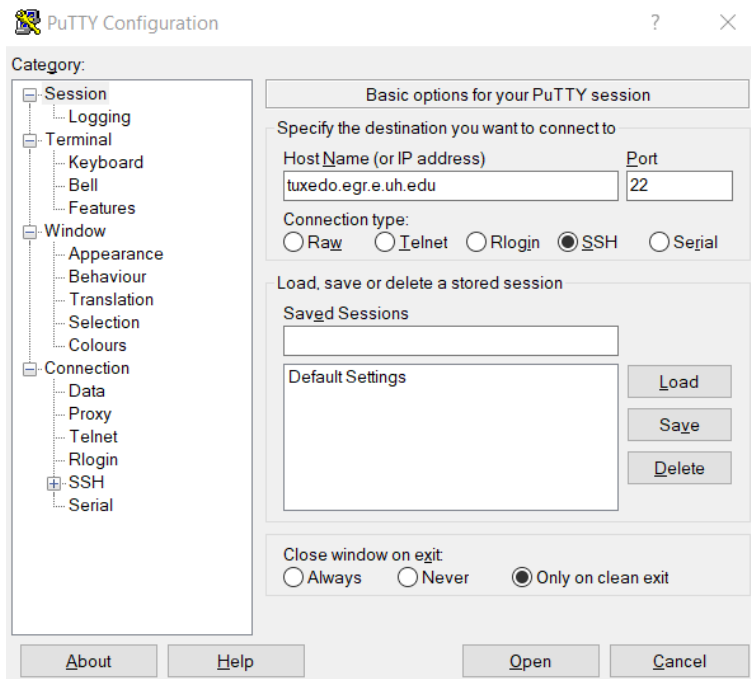
- https://uh.edu/infotech/services/computing/networks/vpn/windows/

For MacOS users: https://uh.edu/infotech/services/computing/networks/vpn/installation-for-mac/

For Linux (Ubuntu) users: https://uh.edu/infotech/services/computing/networks/vpn/installation-for-linux-ubuntu/

(Note that if you are on campus but connected to the wifi "UH Guest" rather than "UH Secure", then, you also need VPN to connect to the server)
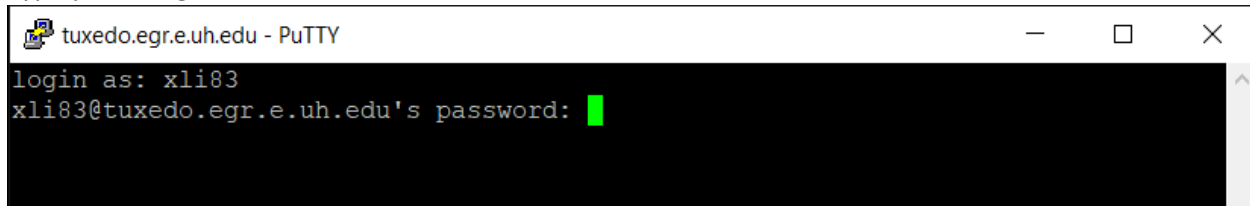
Putty:

After you enter the address: tuxedo.egr.e.uh.edu in the Host Name (or IP address); then, click "Open":
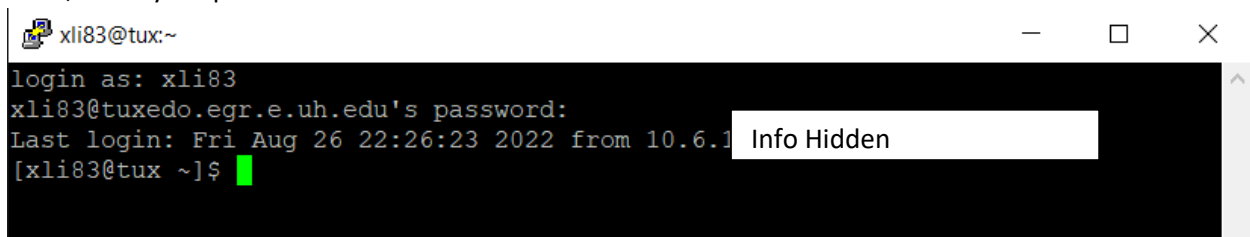
Type your cougarnet username:

```
tuxedo.egr.e.uh.edu - PuTTY                    —   □   ✕
login as: xli83
xli83@tuxedo.egr.e.uh.edu's password: █
```

Then, enter your password:
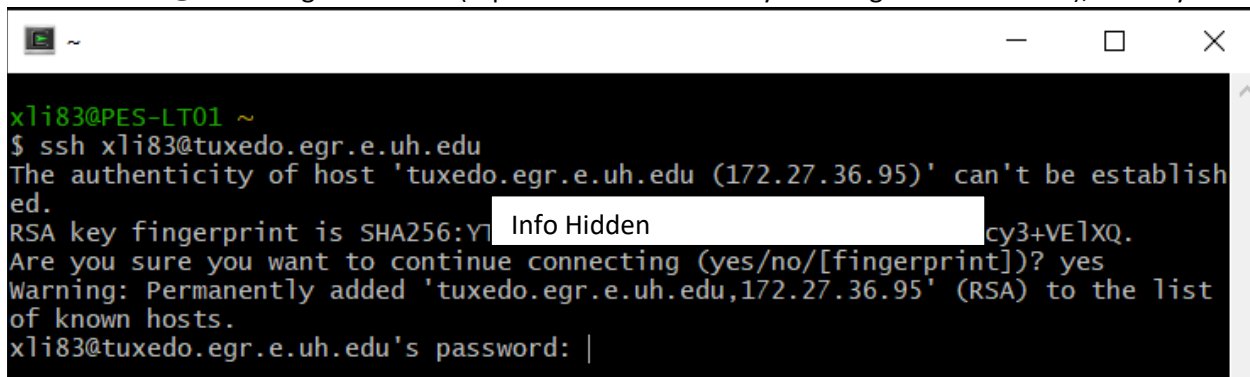
```
xli83@tux:~                                    —   □   ✕
login as: xli83
xli83@tuxedo.egr.e.uh.edu's password:
Last login: Fri Aug 26 22:26:23 2022 from 10.6.1  Info Hidden
[xli83@tux ~]$ █
```
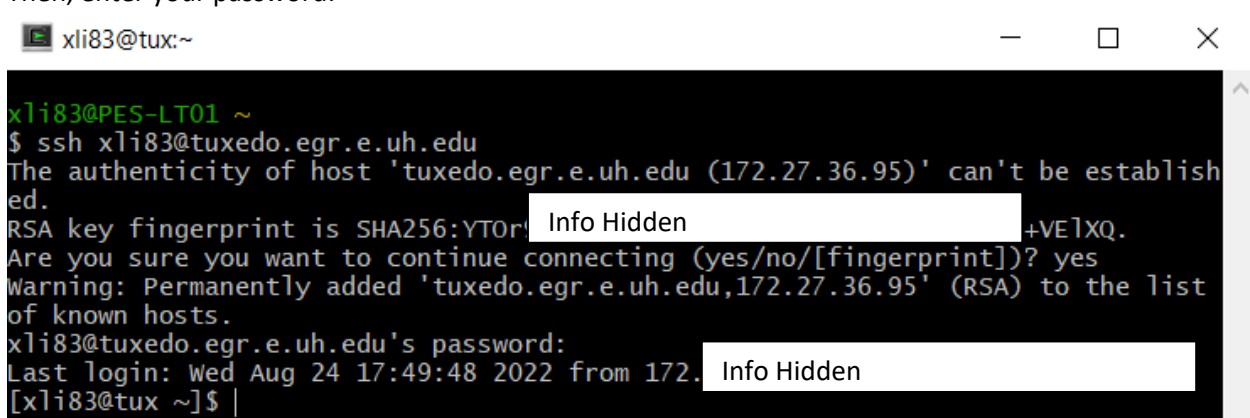
Now, you are connected to the college Unix servers.

Cgywin:

ssh *username*@tuxedo.egr.e.uh.edu   (replace 'username' with your Cougarnet username); enter 'yes':

```
 ~                                             —   □   ✕
xli83@PES-LT01 ~
$ ssh xli83@tuxedo.egr.e.uh.edu
The authenticity of host 'tuxedo.egr.e.uh.edu (172.27.36.95)' can't be establish
ed.
RSA key fingerprint is SHA256:YT  Info Hidden              cy3+VElXQ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'tuxedo.egr.e.uh.edu,172.27.36.95' (RSA) to the list
of known hosts.
xli83@tuxedo.egr.e.uh.edu's password: |
```

Then, enter your password:

```
xli83@tux:~                                    —   □   ✕
xli83@PES-LT01 ~
$ ssh xli83@tuxedo.egr.e.uh.edu
The authenticity of host 'tuxedo.egr.e.uh.edu (172.27.36.95)' can't be establish
ed.
RSA key fingerprint is SHA256:YTOr  Info Hidden       +VElXQ.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'tuxedo.egr.e.uh.edu,172.27.36.95' (RSA) to the list
of known hosts.
xli83@tuxedo.egr.e.uh.edu's password:
Last login: Wed Aug 24 17:49:48 2022 from 172.  Info Hidden
[xli83@tux ~]$ |
```

Now, you are connected to the college Unix servers.
For MacOS/Unix users, the commands would be the same with this Cygwin-emulated Linux environment.