MipsHelper369 Tutorial

Supported Clients:

- PuTTY
- WinSCP

Objective:

- This tutorial aims to familiarize the user with the College of Engineering compute server, `compute.engr.arizona.edu`. The supported programs are PuTTY for terminal interaction and WinSCP for file transfer. The process of preparing mipsHelper369 for use is also covered in this document.

Packages:

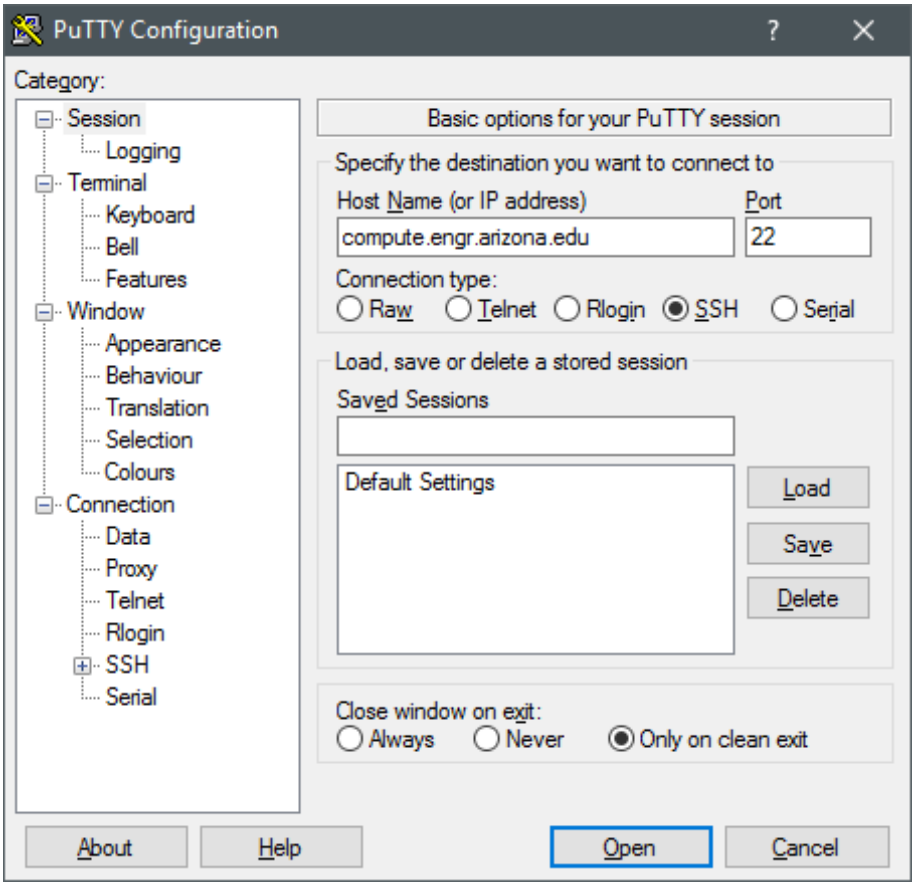
- PuTTY can be downloaded at: http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html
- WinSCP can be downloaded at: https://winscp.net/eng/download.php
- mipsHelper369.tgz will be available on D2L.

Contacting ENGR-IT:

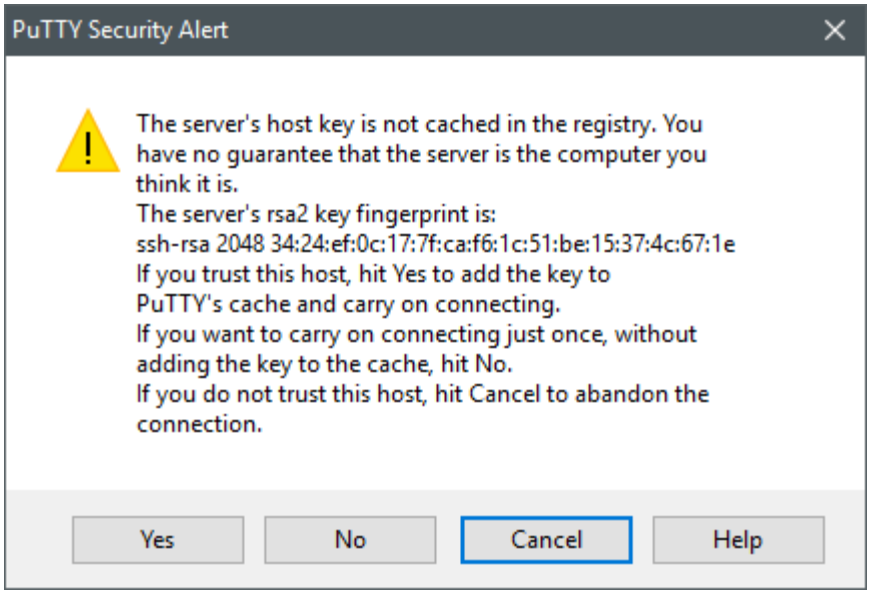
- If you are encountering strange errors when trying to use the server, or if you don't have access at all, please contact Engineering IT by sending an email to: support@engr.arizona.edu

Connecting to `compute.engr.arizona.edu` with PuTTY:

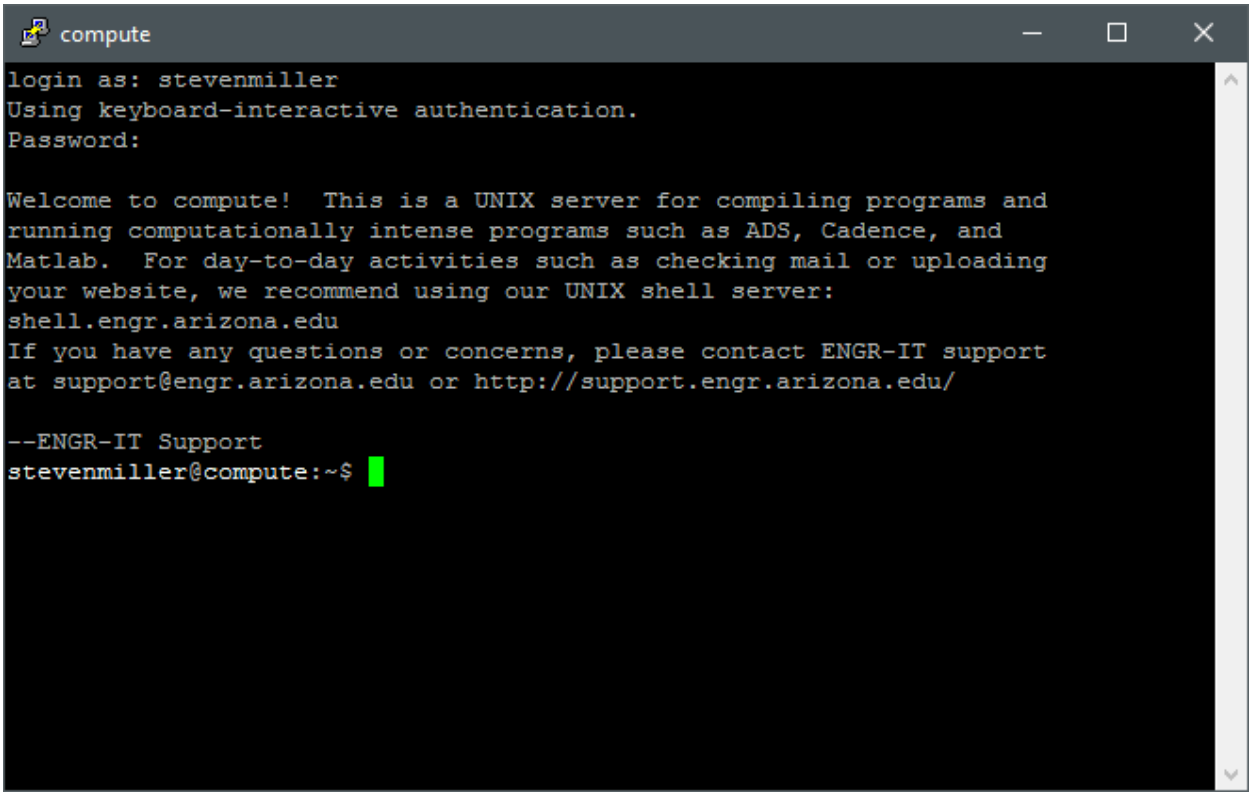
- Open PuTTY. In the Host Name field, type: `compute.engr.arizona.edu`.



- If you receive the "PuTTY Security Alert", click Yes.



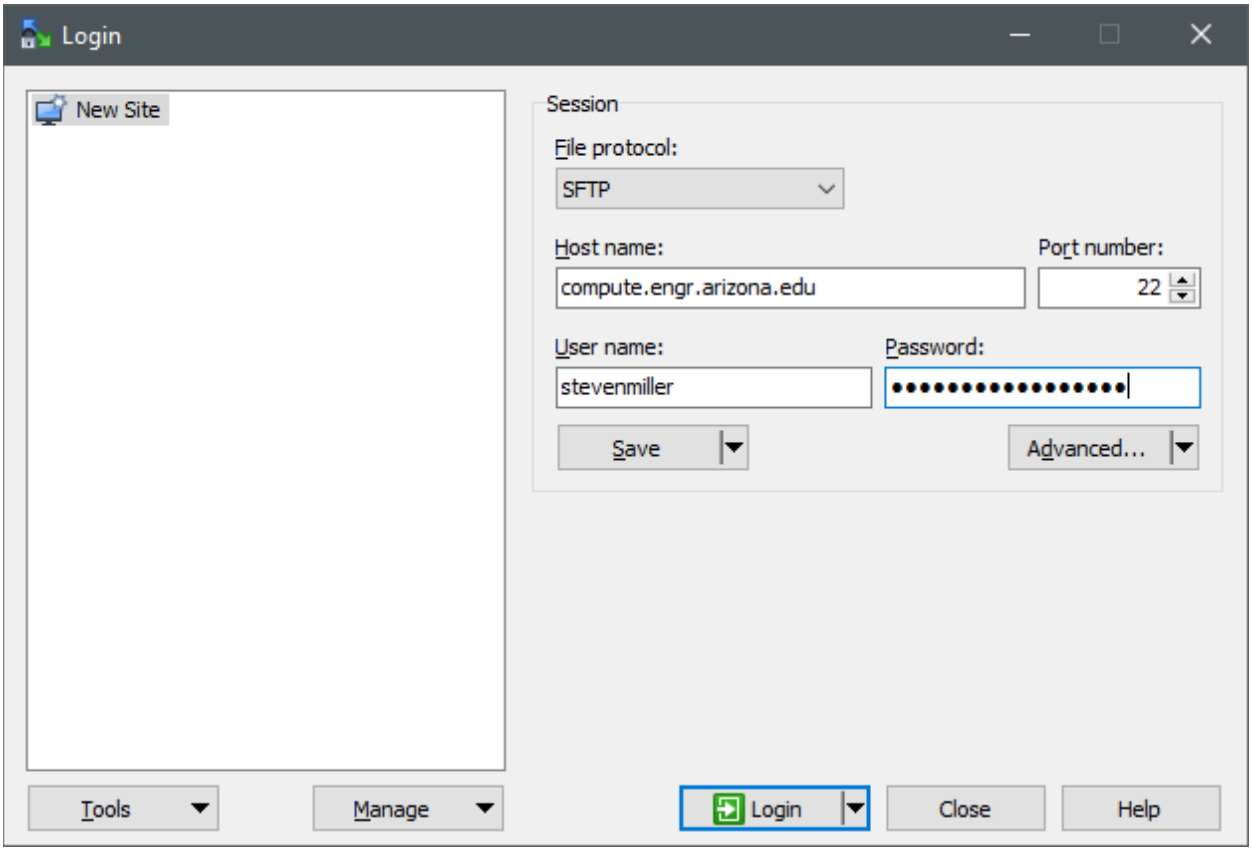
- Enter your University of Arizona NetID at the `login as` prompt, then press Enter. Enter your NetID password at the `Password` prompt. Note that you won't see anything show up as you type in your password; this is for security reasons. After entering your password, press Enter again.



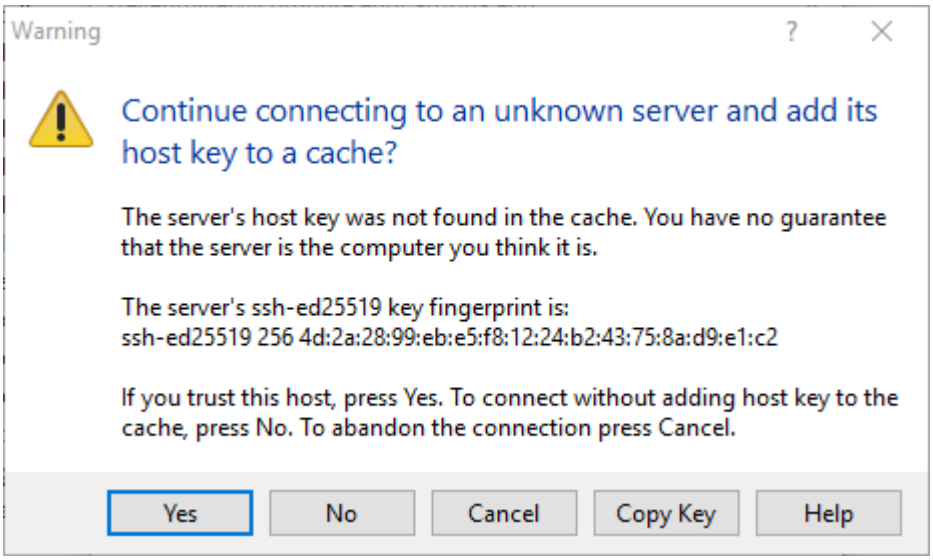
- That's it! You now have a session running on the Engineering compute server.

Transferring files to `compute.engr.arizona.edu` with WinSCP

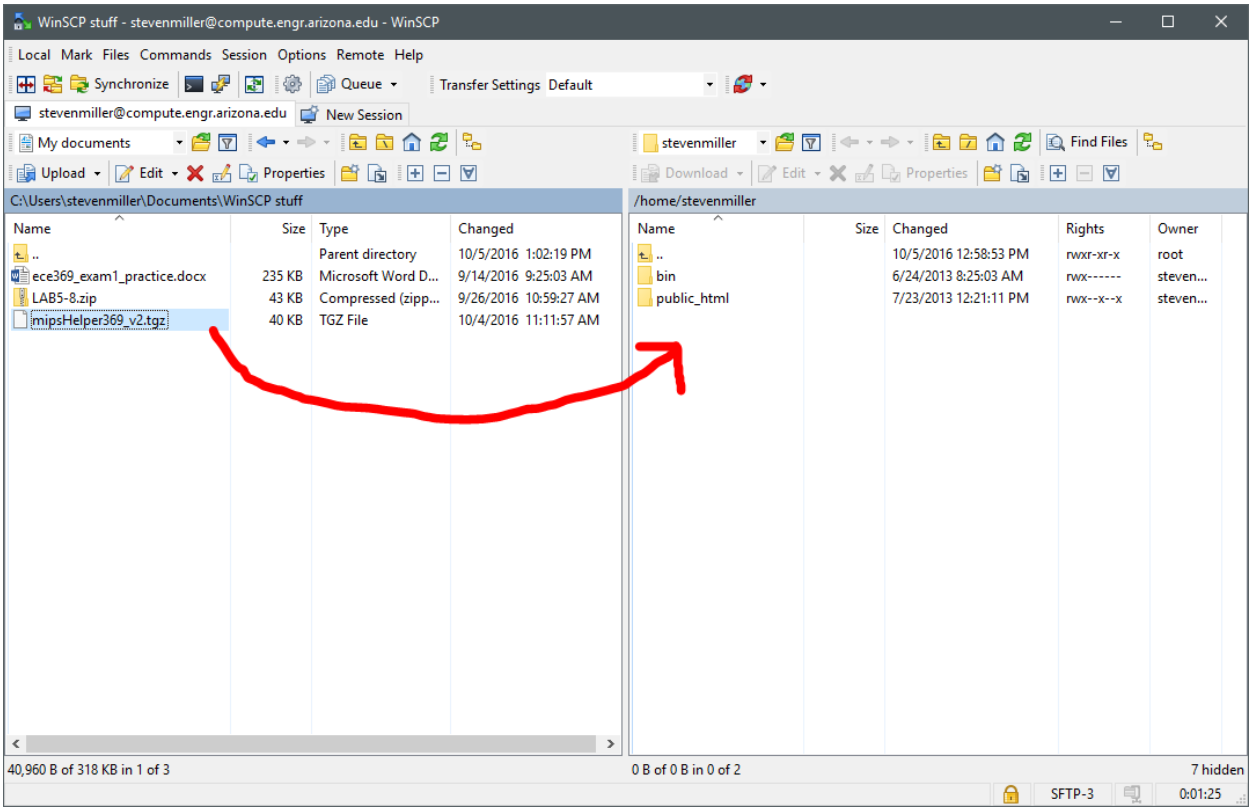
- Open WinSCP. In the Host name field, type: `compute.engr.arizona.edu`.
  In the User name field, type your NetID.
  In the Password field, type your NetID password.



- Click the Login button. If you receive a warning about an unknown server, click Yes.



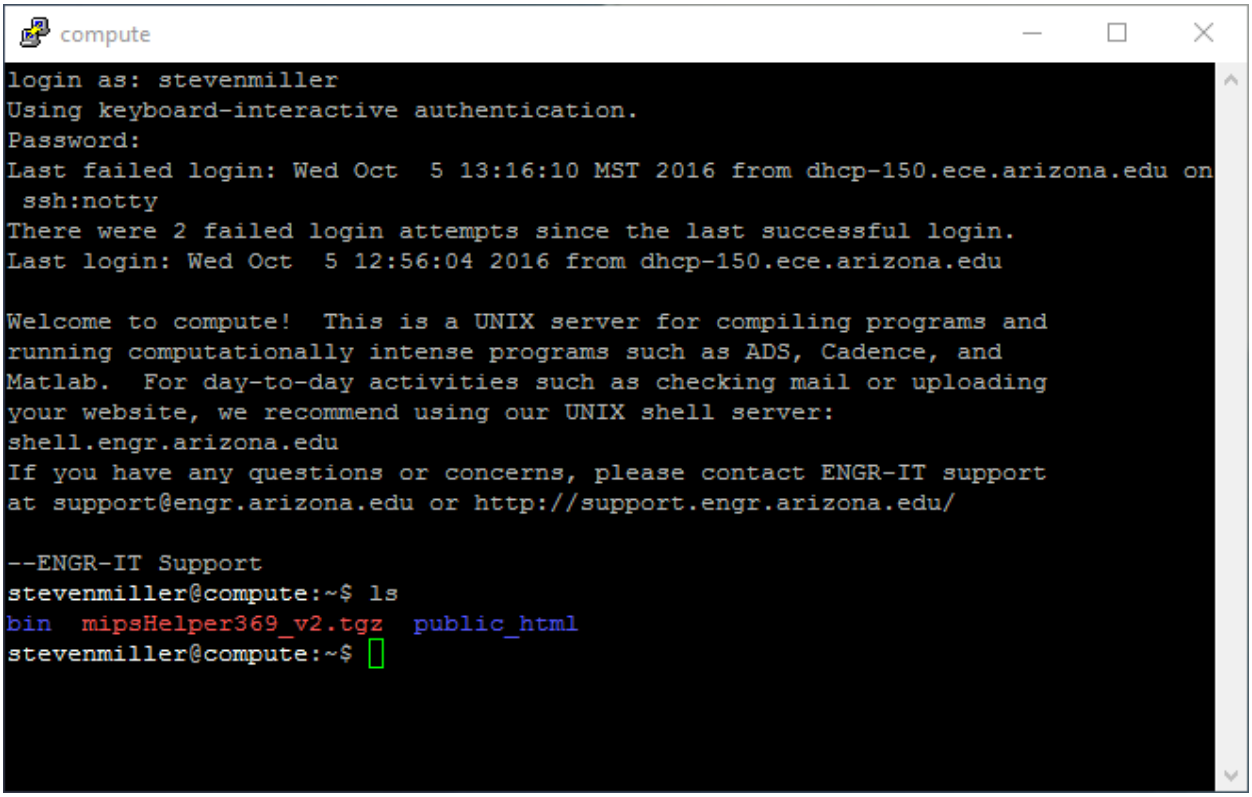
- Now, your UNIX home directory will be on the right, and your local computer's file system will be on the left. Find where you downloaded mipsHelper369.tgz on your computer, and drag it into the right pane to transfer it to the server.



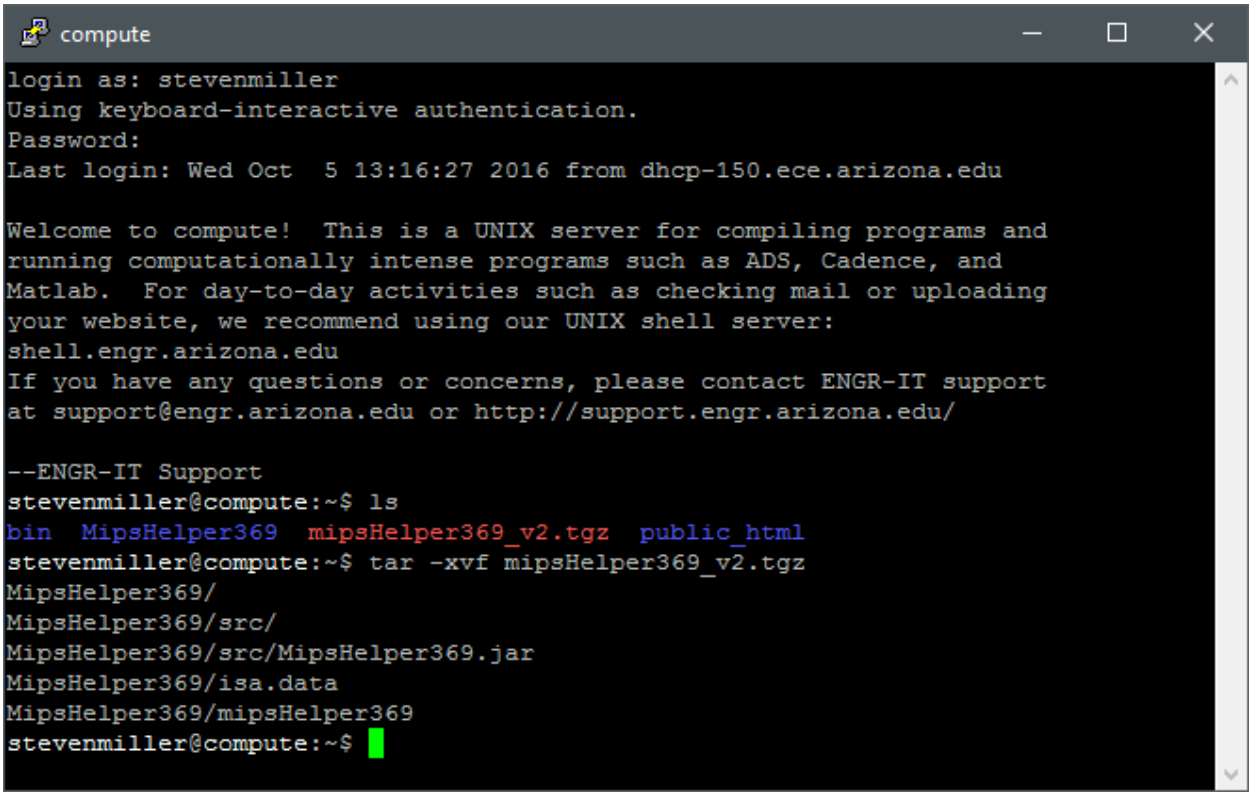
- We're done transferring files. Disconnect your file transfer session by clicking Disconnect in the Session menu.

Extracting mipsHelper369.tgz

- In your PuTTY session, navigate to the directory containing the mipsHelper369 file. If you uploaded it to your home directory, you're already there.



- Run the command to extract the zipped tar file:
  `tar –xvf mipsHelper369_v2.tgz`



- Change to the MipsHelper369 directory, and run ./mipsHelper369 –help for usage information. That's it! When you're done, you can disconnect by closing the PuTTY window, or by typing `exit` at the terminal.