

## Secure Shell (SSH) Installation and Introduction – Recitation 2

**Background on SSH:** SSH is a way to get into a remote machine or server. In our case, we want to get into Eden. Eden has the capability to host webpages, and in this class, you will be making HTML pages and uploading them to Eden.

### Downloading the SSH Client:

- 1) Go here: <https://software.rutgers.edu/product/2308>
- 2) Log in (if you're not already)
- 3) Click on "setup.exe" to download
- 4) If it's already installed, go to 'My Computer' -> 'Windows C:' -> 'Program Files (x86)' -> 'SSH Communications Security' -> 'SSH Secure Shell'
- 5) Double click on SshClient.exe

### Using the Client to Log into your Account:

- 1) Click "Quick Connect"
- 2) When the new window pops up:
  - a. Host Name: eden.rutgers.edu
  - b. User Name: <YourNetID>
  - c. Port Number: 22
- 3) Click 'Connect'
- 4) Do you want to save the new host key to the local database? Click 'Yes'
- 5) A new window will pop-up. Click 'OK'
- 6) Enter your usual net ID password when the password window pops up.

### Creating the public\_html Folder on the Server:

- 1) Click on the 4<sup>th</sup> icon from the end. When you hover over it, it should say: 'New File Transfer Window'
- 2) You'll see two panels: 'Local Name' on the left, and 'Remote Name' on the right
- 3) In the 'Remote Name' panel in the white space, right click. Select 'New Folder'
- 4) Call this folder: public\_html
  - a. (NOTE: The "public" and "html" parts should both be in all lower-case, separated by the underscore character.)
- 5) Hit enter

### Setting Permissions on the public\_html Folder:

- 1) Only you can see the stuff in the folder now, so you'll need to change permissions
- 2) Right-click on the public\_html folder, and click "Properties"
- 3) Change the Permission Mode at the bottom to 755 instead of 700. Now, anyone with a web browser can see your files.
- 4) Click 'OK'

- 5) Go to: <http://www.eden.rutgers.edu/~yourNetID/> to view your files! You can share files by putting it into this folder!

### **Creating and Uploading a File from your Local Machine:**

- 1) Open up 'Notepad' in your local machine ('All Programs' -> 'Accessories')
- 2) In the blank text file, type some text
- 3) Save it as test.txt, and remember where you've saved it. To make it easier, put it under Documents or wherever is easiest for you. This is only for testing purposes.
- 4) Now, in the SSH client, go into your public\_html folder
- 5) Right click over the white space in the 'Remote Name' panel
- 6) Click 'Upload Dialog' and find the file that you saved. Click on the file.
- 7) Got back to your website and see if your file is there!
- 8) Click on your file, and you should see the text that you've typed.
- 9) To remove the file, go back to your SSH client, right click on the file, and hit 'Delete'

### **If you're unable to log into Eden or connect using SSH:**

- 1) Go to <http://netid.rutgers.edu>
- 2) Click Service Activation on the left
- 3) Place a 'tick' for the 'Student (eden.rutgers.edu)' checkbox
- 4) Save by clicking on the 'Activate Services' button
- 5) If it's still not working in a couple of hours, call the NBCS Help Desk at 732-445-HELP