This is a short guide to using the SSH Secure program to connect to your Asimov network share outside of the Camosun Lab room. An alternate open-source program called WinSCP (from www.winscp.net) can be used as well. Both of them will run on Microsoft Windows XP and Vista operating systems.

If you are running Linux or Apple OS, there are similar applications for those platforms. Contact me for details.

1. Installing SSH on your home computer

From your home computer obtain the SSH Secure program in one of the following ways:

a) Open this URL in your browser:

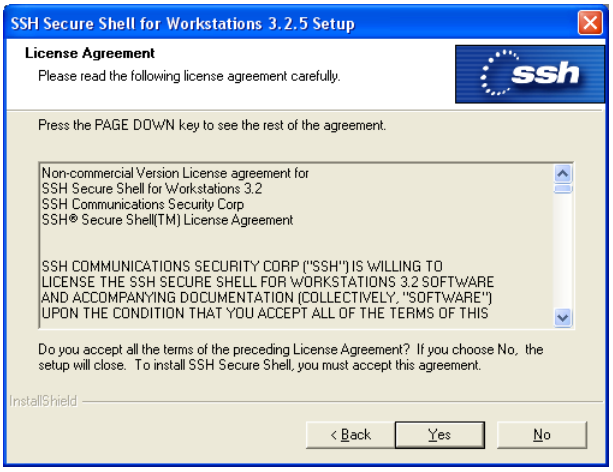
`http://www.cs.camosun.bc.ca/~langs/utils/SSHSecureShellClient-3.2.9.exe`

then click on Open button when the File Download window appears. This will run the install directly from the browser. You may see a security window appear; if you do, click OK to confirm the install.

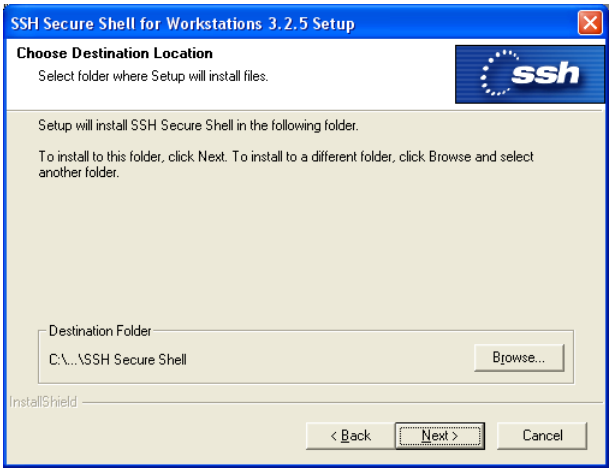
Installing SSH

The first window in the install process prompts you to continue.

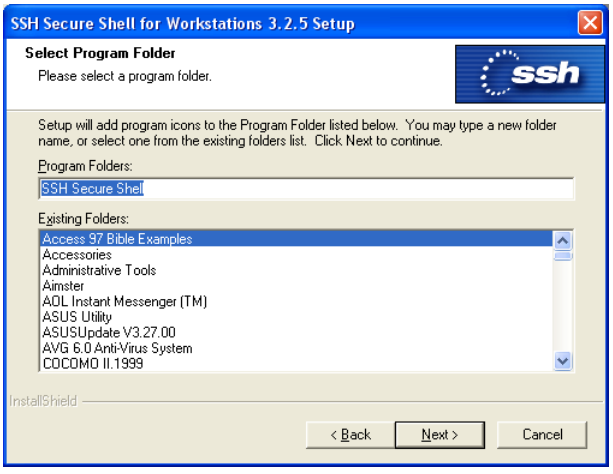
Click Next



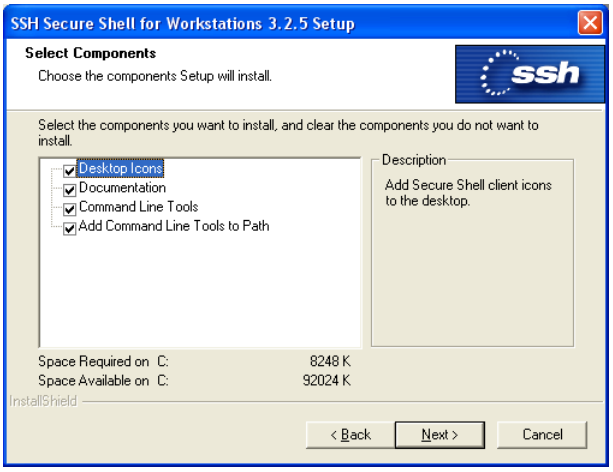
Click Yes



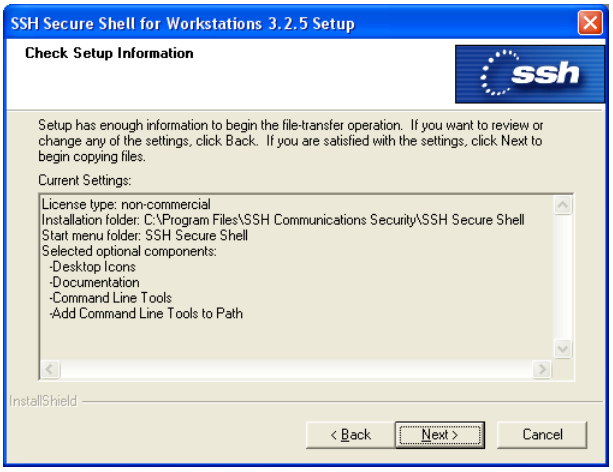
Click Next



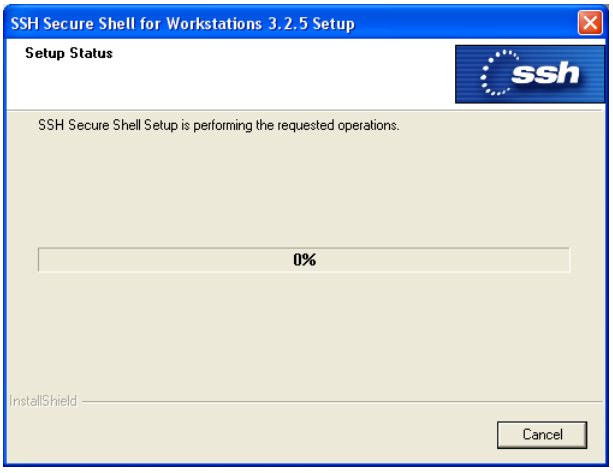
Click Next



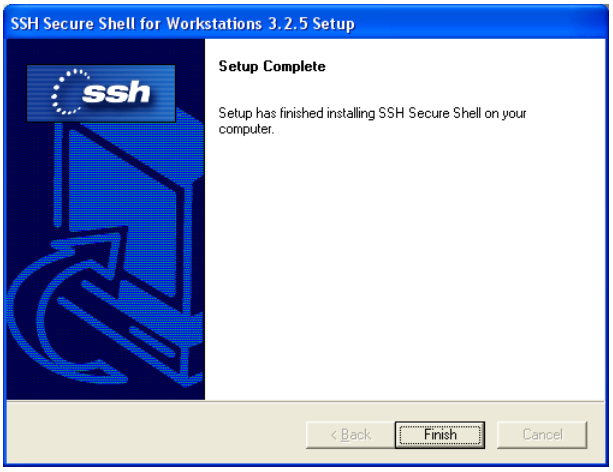
Click Next



Click Next

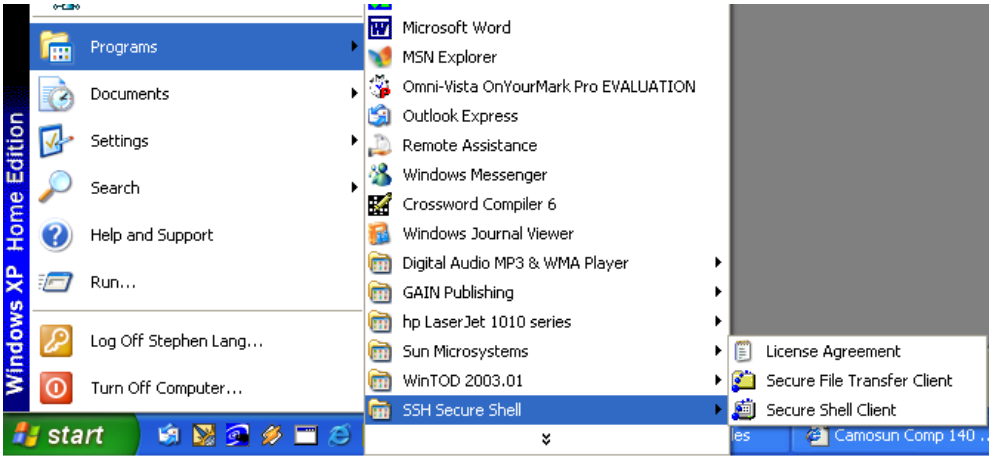


Wait for setup to complete….



Click Finish. Install is compete.

You should have a SSH Secure Shell program group that looks like this.



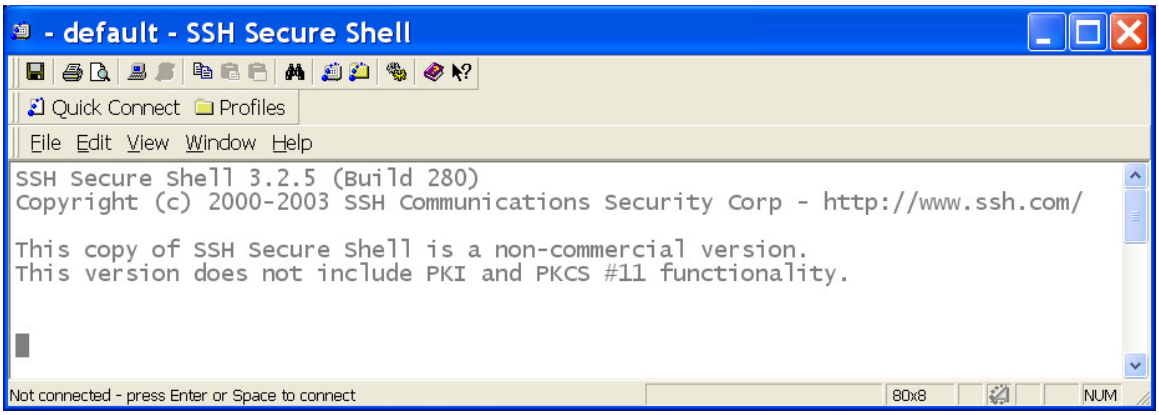
2. Using SSH File Transfer

This process brings up a window similar to Windows Explorer. In this window you can select files to transfer between your local (C:) drive and the CST Asimov network drive. This is necessary when you create html files on the local drive to test for your lab work.

The SSH File Transfer is essentially an FTP (secure FTP) application. FTP is not an encrypted protocol and so it is theoretically possible to "sniff" internet packets using FTP.

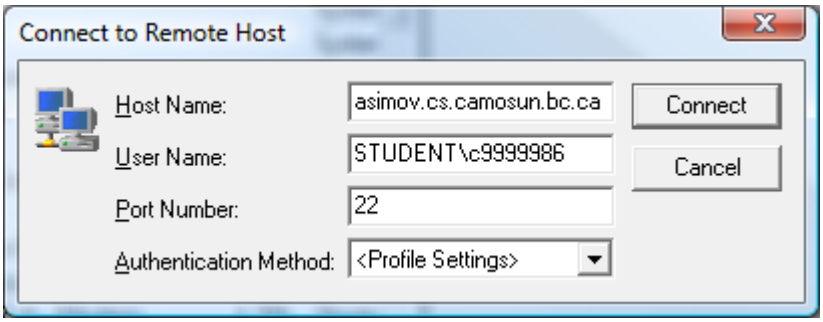
If you already have SSH terminal (Telnet mode) open, then click on the folder icon (the folder having blue circles) near the top toolbar.

If not, then click on the Windows Start and select All Programs, then select SSH Secure Shell, then select Secure File Transfer Client.



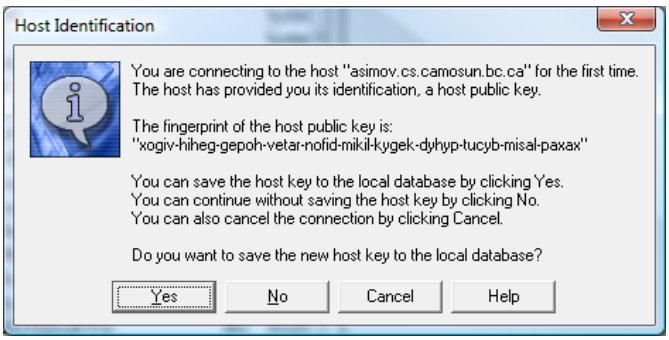
Click on the Quick Connect button in the top toolbar to start a remote session:

Enter Host Name value **`asimov.cs.camosun.bc.ca`**
Enter your CST Student domain account as User Name preceded by STUDENT\
(e.g. **`STUDENT\c0xxxxxxx`**)



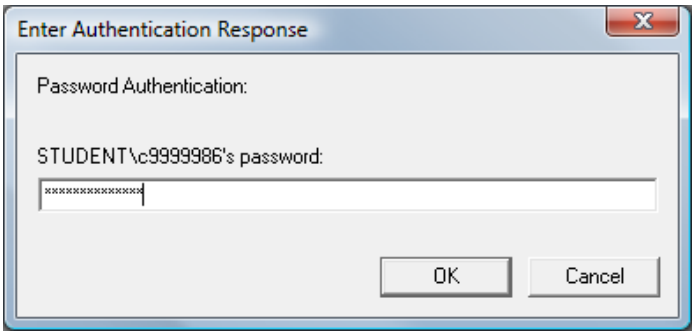
Leave the Port Number at 22. This is the default port value for a secure telnet session.
Leave the Authentication Method as <Profile Settings>
Click on Connect to continue the connection.

The following panel may pop up the first time you connect.

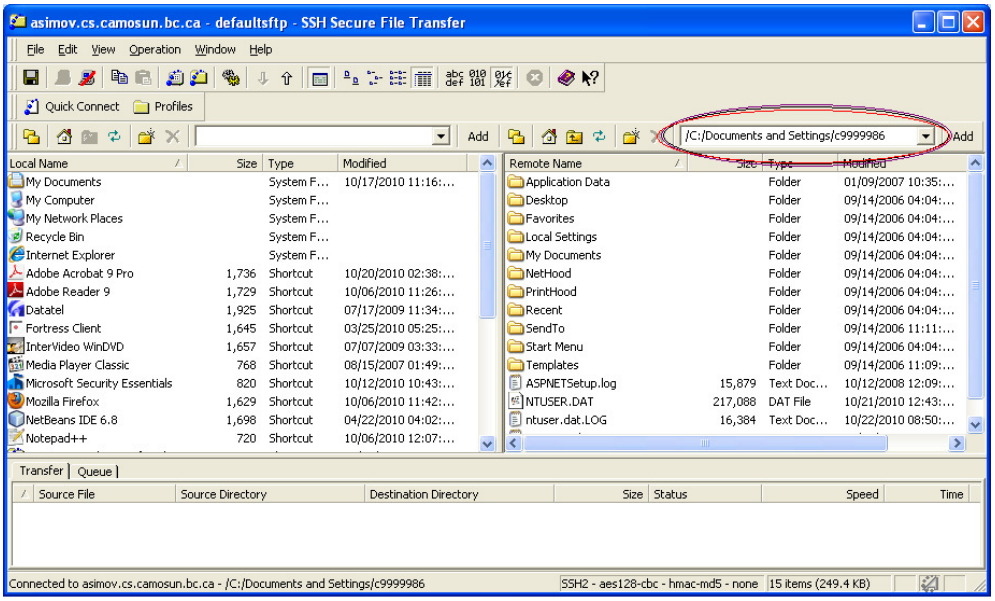


Click the Yes button to continue.

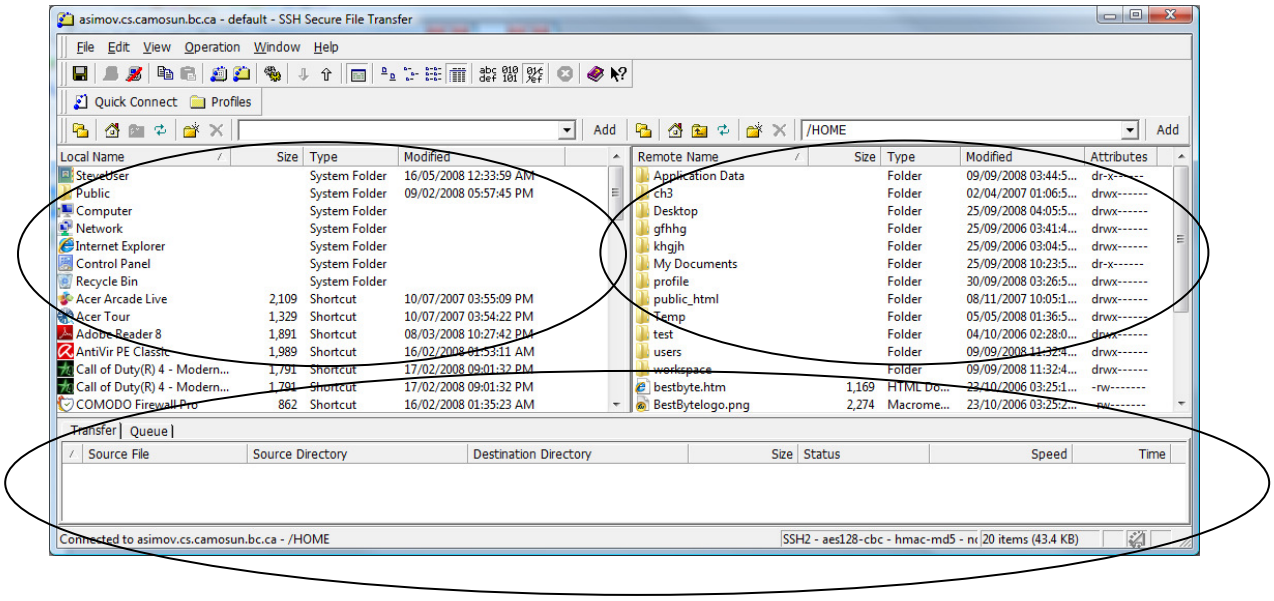
Enter your login password that you use for your **`c0xxxx`** account. Click OK



The Secure File Transfer window appears with three basic panels. The panel on the left shows a file tree of the local computer drives. The panel on the right shows a file tree of the remote host (Asimov server). The panel on the bottom shows the files that have been transferred between the local computer and the remote host.

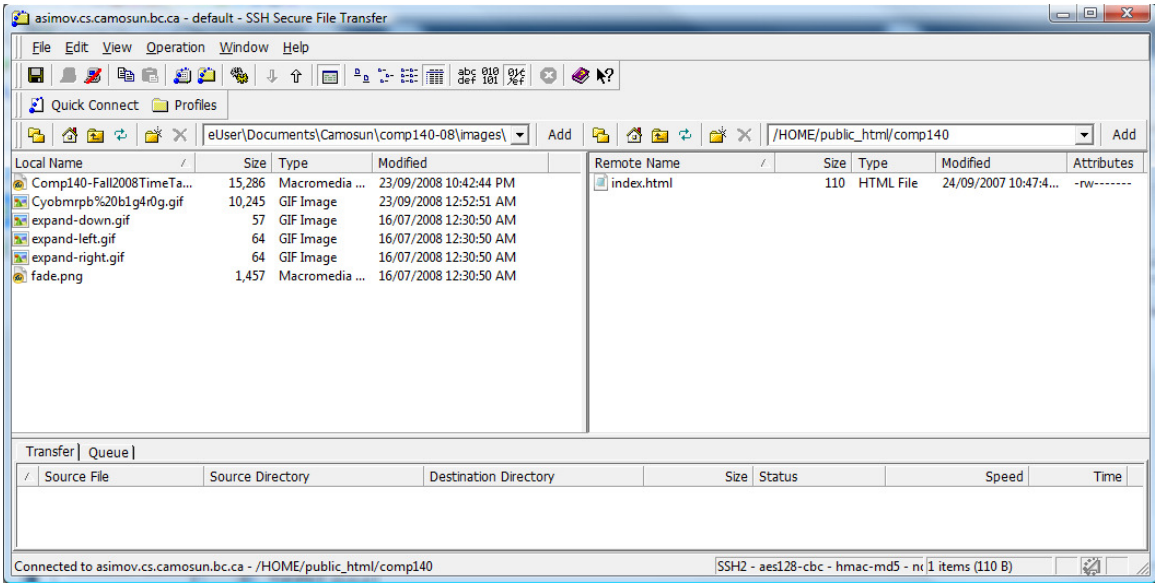


If the remote server's current folder is showing as above `/C:/Documents and Settings/c9999986`, then change it to `/C:/Student Drives/C0xxxx` (where C0xxxx is your student number). There is a space between the word Student and Drives.

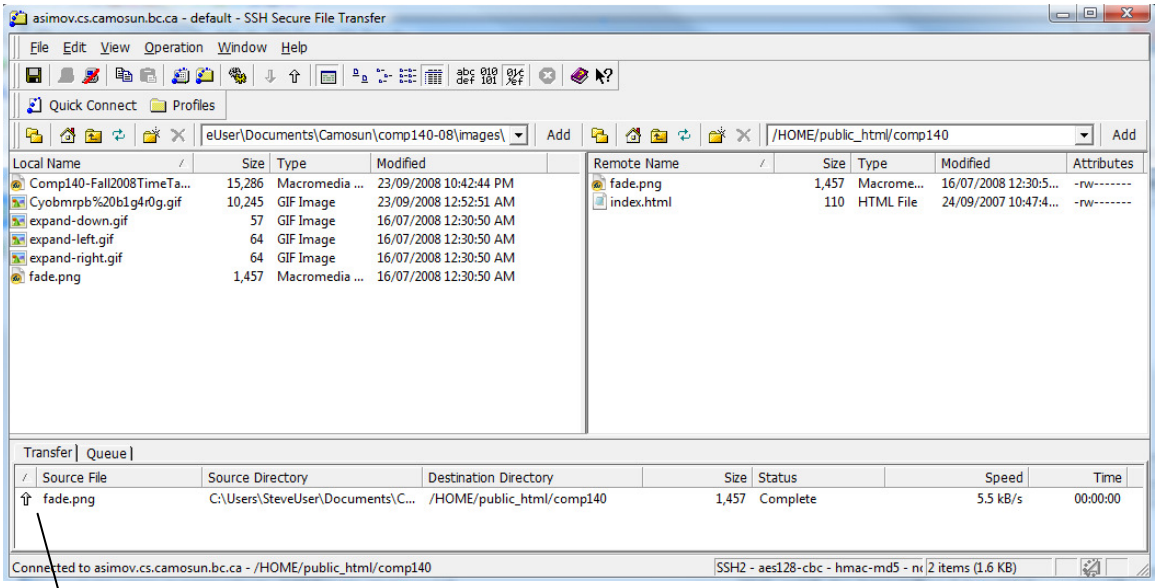


For Comp 140 work you may want to transfer HTML files directly into your Asimov's `public_html` folder on the asimov host from your local computer or thumb drive. You can double click on the `public_html` folder as shown on the right panel.

If we want to copy the file `fade.png` to `public_html` on the remote host. We locate the `fade.png` file on the left panel file tree, left click and *hold* on it while dragging it over to the right panel, then release the mouse button to confirm the copy.



The results of the file transfer appear in the bottom panel.

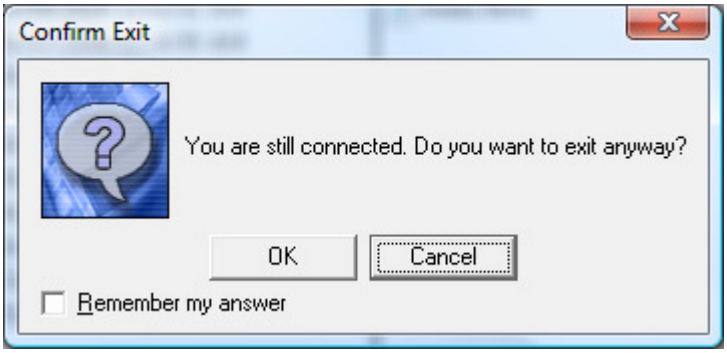


An arrow pointing up indicates an upload activity. A file moved from the local computer "up" to the remote host (asimov). If the arrow points down, a file was "downloaded" from the remote host to the local computer.

Files and folders can be transferred between the local computer and remote host.

Take care that you do not accidentally overwrite recent work.

To end the Secure File Transfer session, click on File, then select Exit. If the Confirm Exit window appears, click on the OK button.



SSH will allow you to preserve your connection settings into a named profile so that you can select that profile the next time you need to connect to that host.