Princeton University
COS 217: Introduction to Programming Systems
Configuring Your Computing Environment:
Using a Microsoft Windows PC

Follow these steps to configure your Microsoft Windows computer for COS 217:

1. Download the SSH software.
   Use a web browser to visit the page http://www.princeton.edu/~tis/security/sshtools.html.
   Download file SSHWinSecureShell31.exe via an anchor on that page.

2. Install the SSH software.
   In Windows Explorer, double-click on file SSHWinSecureShell31.exe to launch the SSH software installer.
   Choose the default directory: Program Files\SSH Communications Security.

Note: The SSH software consists of two Microsoft Windows applications: a "SSH Secure Shell Client," and a "SSH Secure File Transfer Client." You will use the File Transfer Client to download files from arizona to your computer, and to upload files from your computer to arizona. You will use the Shell Client for all other work.

3. Launch the SSH Secure Shell Client.
   In Windows Explorer, double-click on file:
       C:\Program Files\SSH Communications Security\SSH Secure Shell\SshClient.exe.

4. Connect the SSH Secure Shell Client to the Princeton "arizona" computer system.
   In the SSH Secure Shell Client...
   Click on the "File | Quick Connect..." menu item.
   In the "Connect to Remote Host" dialog box:
       For "Host Name" type "arizona.princeton.edu" .
       For "User Name" type your Princeton user name.
       For "Port Number" type "22".
       For "Authentication Method" choose "Password".
       Click on the "Connect" button.
   In the "Enter Password" dialog box.
       Type your Princeton password.
   (You should see a UNIX shell prompt.)

5. Configure the Emacs editor.
   In the SSH Secure Shell Client...
   Issue these commands to copy a reasonable Emacs startup file to your home directory:
       cd
       cp ~cs217/.emacs .
   (Suggestion: Examine the .emacs file.)

6. Configure a news tool to read from and write to the course newsgroup.
   To configure the "pine" e-mail and news tool...
   In the SSH Secure Shell Client, issue this command to launch pine:
   ```
   pine
   ```
   In pine, issue these commands:
   Press M to go to the main menu.
   Press S for setup.
   Press C for configure.
   Press arrow keys to select nntp-server.
   Type C for change
   Type news.princeton.edu.
   Press E to exit setup.
   Press M to go to the main menu.
   Press L for folder list.
   Press arrow keys to select "News on news.princeton.edu".
   Press A to Add.
   Type pu.cs.217.
   To subsequently read newsgroup postings:
   Press M to go to the main menu.
   Press L.
   Press arrow keys to select "News on news.princeton.edu".
   Press Enter.
   Press arrow keys to select pu.cs.217.
   Press Enter.

7. Make the "bash" shell your login shell.
   In the SSH Secure Shell Client...
   Issue these commands to copy reasonable bash startup files to your home directory:
   ```
   cd
   cp ~cs217/.bash_profile .
   cp ~cs217/.bashrc .
   ```
   Issue this command to make bash your default shell:
   ```
   chsh
   ```
   Enter your Princeton password.
   Type "/usr/princeton/bin/bash" as the executable file to use as your shell.
   (Suggestion: Examine the .bashrc and .bash_profile files.)

8. Logout
   In the SSH Secure Shell Client...
   Issue the "logout" (or "exit") command to disconnect the client from arizona.
   Click on the "File | Exit" menu item to exit the SSH Secure Shell Client.
   Wait a few minutes for the chsh command to take effect.