SSH Secure Shell for Windows
How to Obtain, Install, Configure and Use SSH Secure Shell

How to obtain the SSH Secure Shell Software:

There are several ways of obtaining SSH Secure Shell for Workstations software. Beginning in the fall 2003, all faculty and staff Windows computers have SSH Secure Shell software installed as part of the standard disk image. If your office computer does not have SSH Secure Shell installed, please contact the ITS Help Desk at x5-54346 for assistance.

If you are a Mac user, please refer to the information here:
http://nutmeg.easternct.edu/webdev/getting_started.htm
If you are a Windows user, you may download a free copy of SSH Secure Shell here: http://software.dartmouth.edu/Windows/Connectivity/SSHSecureShell.zip

SSH Secure Shell for Workstations works with all Microsoft Windows versions. Please see page 10 of this document for complete minimum system requirements. The "SSH Secure Shell for Workstations User Manual" is available from the Help menu within the program.

How to install SSH Secure Shell

- After successfully downloading the application to your computer, browse to saved location. If you should not remember the downloaded file's location, do a search for the filename SSHSecureShellClient-3.2.9.exe
- Double-click SSHSecureShellClient-3.2.9.exe
- Accept the default settings during the installation. The installation is simple and requires only that you accept the End User License Agreement and click on the Next buttons to accept the defaults (recommended). Click on Finish to complete the installation. No reboot is required.

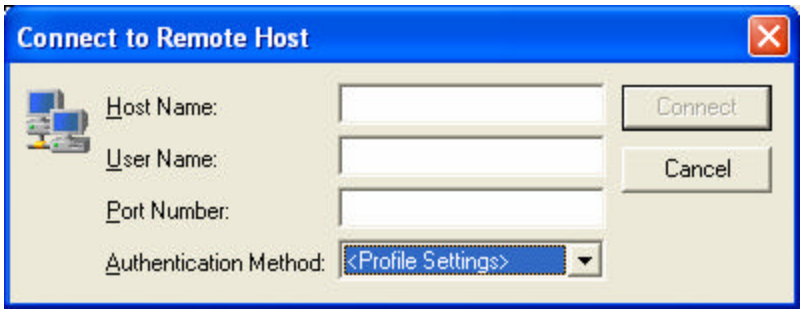
There should now be 2 new "shortcut" icons on your desktop.

The SSH Secure File Transfer Client is the application which you will use to transfer (publish) files to the new web server. If you have previously used a graphical FTP client such as CuteFTP or WS_FTP, SSH Secure File Transfer Client looks and works in a very similar way.

How to Configure SSH Secure File Transfer Client

1. Open Secure Shell File Transfer Client from the shortcut  on your desktop.
2. Click on the "Quick Connect"  button on the toolbar.
3. A "Connect to Remote Host" box like the one in Figure 1 below appears.

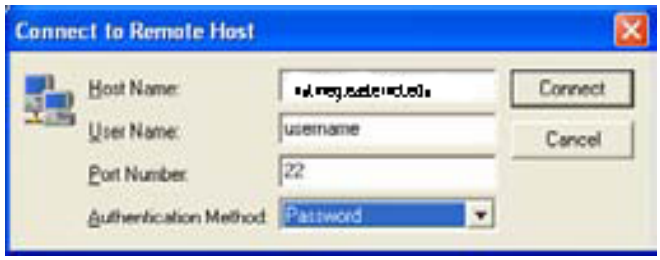
Figure 1



4. In the Host Name box enter nutmeg.easternct.edu
5. In the User Name box enter your username
6. In the Port Number box enter 22
7. Select Password in the Authentication Method box

Verify that your screen matches Figure 2 below (with the exception of the username box, where your own username should be)

Figure 2



8. Click on the Connect button
9. An "Enter Password" dialog box like the one shown in Figure 3 should appear.

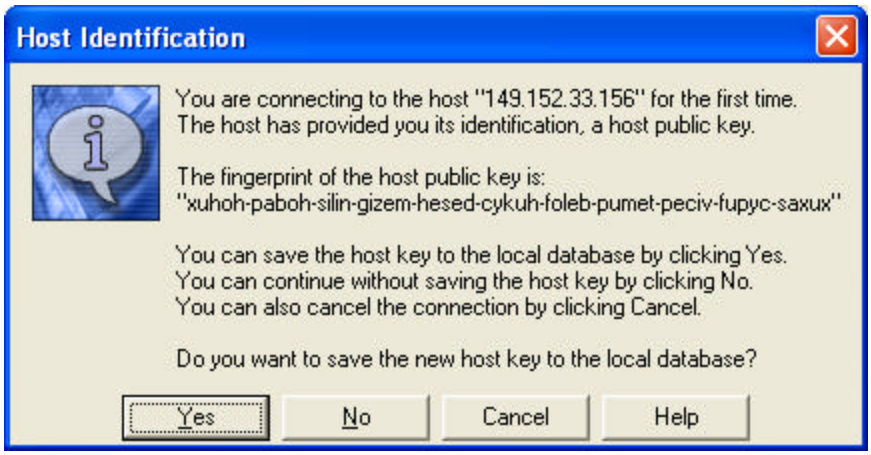
Figure 3

Enter the password supplied to you by ITS for the new web server. If you do not know the new password, please contact Bill Kenney (web server administrator) at x54688. Bill's hours are: Tue - Thurs 3:00 PM - 11:00 PM, Fri & Sat 8:30 AM - 4:30 PM. During normal business hours Mon – Fri, contact Kevin Gill x55793 for further information.

10. Click on the OK button

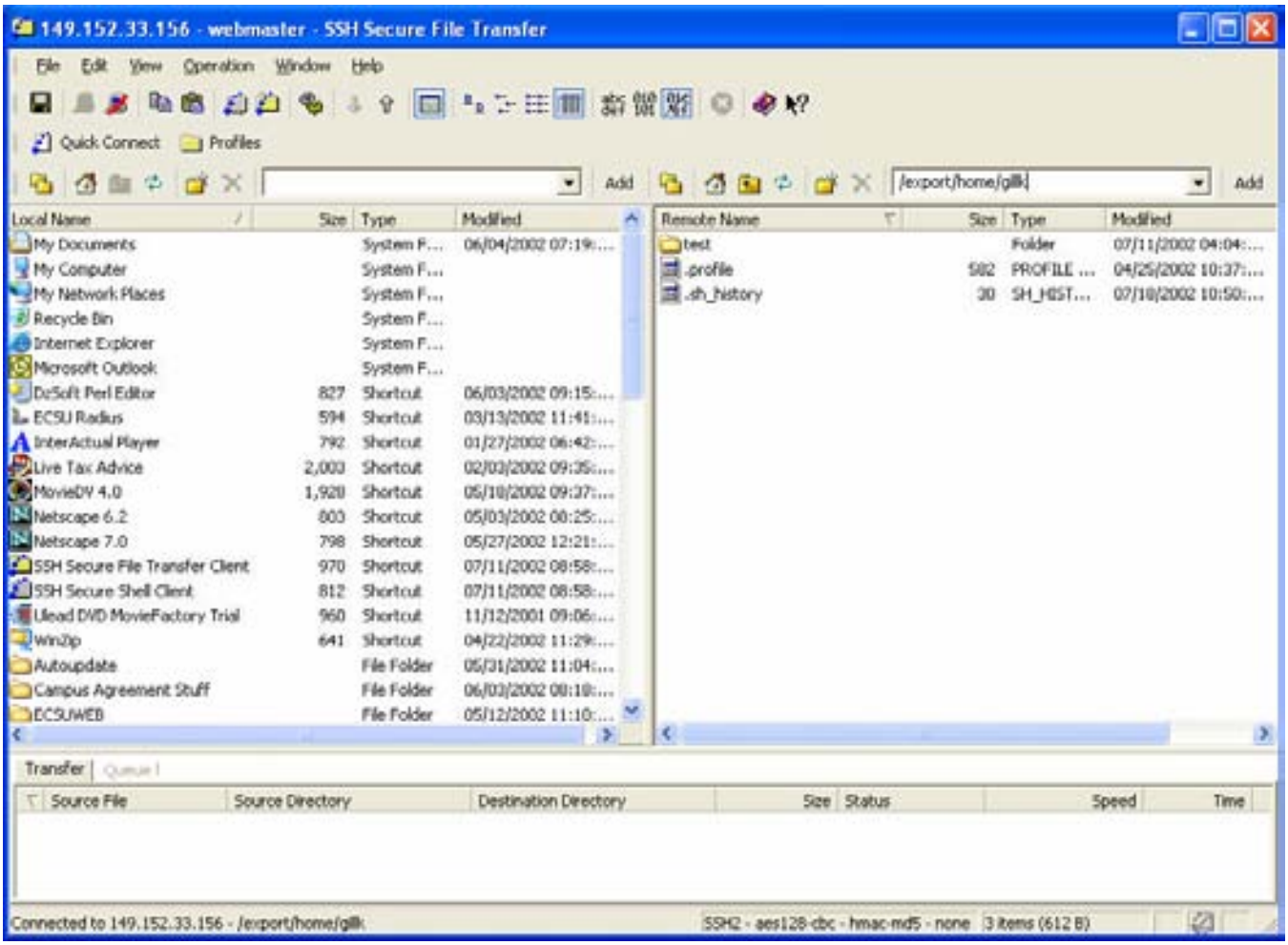
11. The first time you logon to the from any computer, you will see a "Host Identification" dialog box similar to Figure 4.

Figure 4



12. Click on the Yes button.
13. An "SSH Secure File Transfer" window similar to Figure 5 should appear.

Figure 5

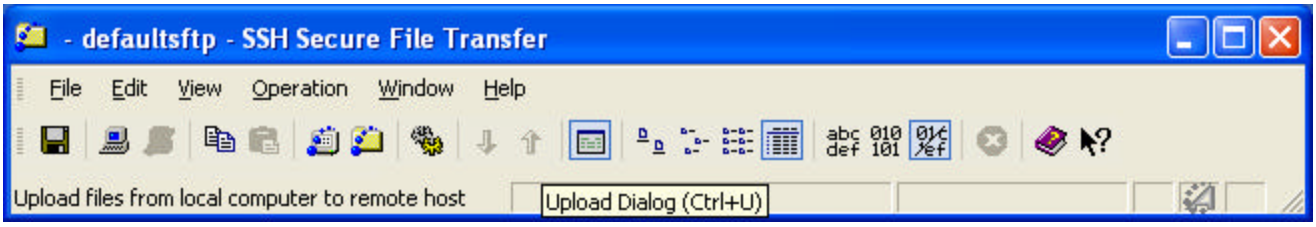


Publishing Web pages to with SSH Secure File Transfer Client

1. Referring to the screenshot above, the left-hand pane of the SSH Secure File Transfer window displays the contents of your computer's drives. The right-hand pane displays your default folder location (/home/username) on the server. The third pane at the bottom displays a history of file transfers.
2. The path on the server is displayed in the address box located above the right hand pane; in the example picture above you see /home/gillk. To change to the directory you wish to publish to, simply type the path into the address box.

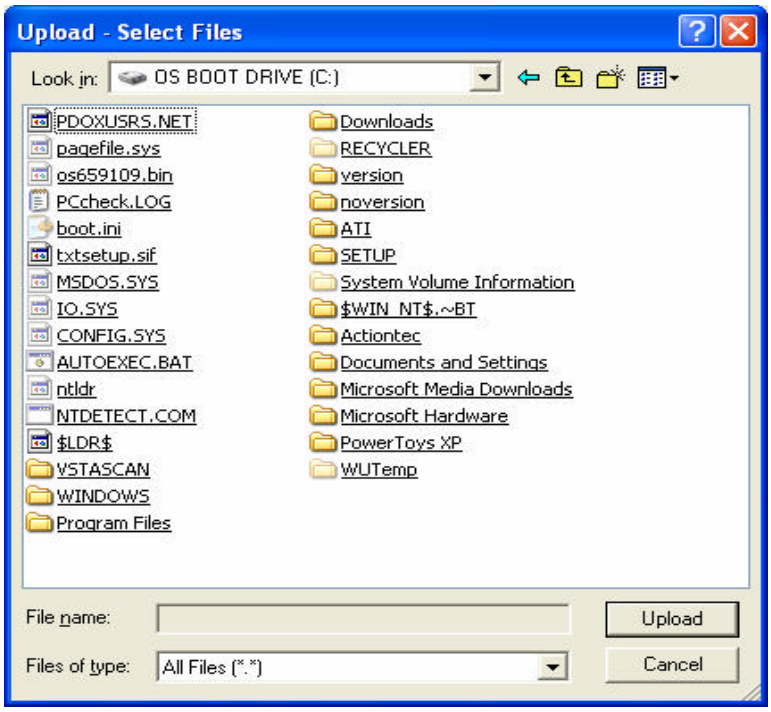
   Once you've entered your path, press the Enter key on your keyboard. The directory you wish to publish in should be displayed in the right-hand pane. To avoid having to type the path each time, you may click on the Add button located to the right of the Remote address box. By default, each time you start SSH Secure File Transfer Client and connect to the web server, the Remote pane will always show the contents of /home/username. However, if you've added your path using the procedure just discussed, you can click on the down-arrow button at the right end of the remote address box and select your saved path from the list shown.
3. Navigate to the file you wish to publish located on your PC in the left-hand pane, in the same manner as you do using Windows Explorer. Once you have located the file(s) you wish to publish on your PC, select them by clicking once on the file name. To select multiple files, hold down the Ctrl key on your keyboard and using your mouse, click once on each of the files. Once you have selected the local files you wish to publish, you may simply drag them from the left-hand pane into the right-hand pane and drop them into the correct directory on the web server. You may also use the Upload Arrow  Dialog located on the toolbar. See Figure 6.

Figure 6



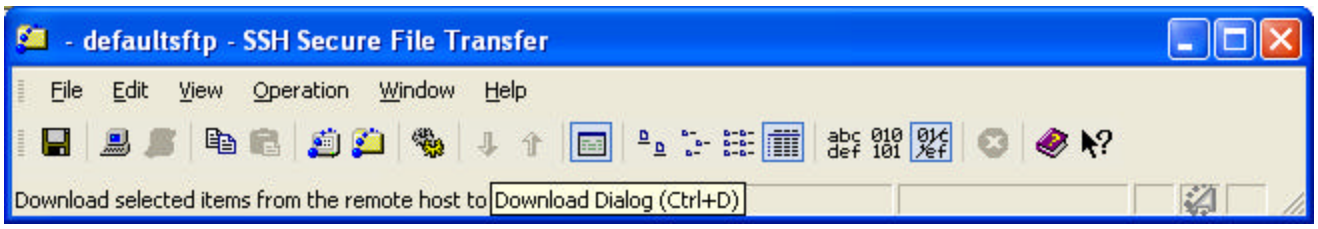
Clicking on the Upload Arrow  (or using the keyboard shortcut Ctrl+U) opens a dialog box similar to the one represented in Figure 7.

Figure 7



4. Select the file(s) you wish to publish. Click on the Upload button
   The selected files are published to the webserver into the directory you have selected in the right hand pane. You may copy files from the webserver to your PC for editing by following the above instructions, substituting the Download Dialog Arrow or Ctrl+D keyboard shortcut (see Figure 8).

Figure 8



5. When you have finished publishing click on the Disconnect icon  from the toolbar or from the File menu choose Disconnect. A Confirm Disconnect box (Figure 9) will appear.

Figure 9

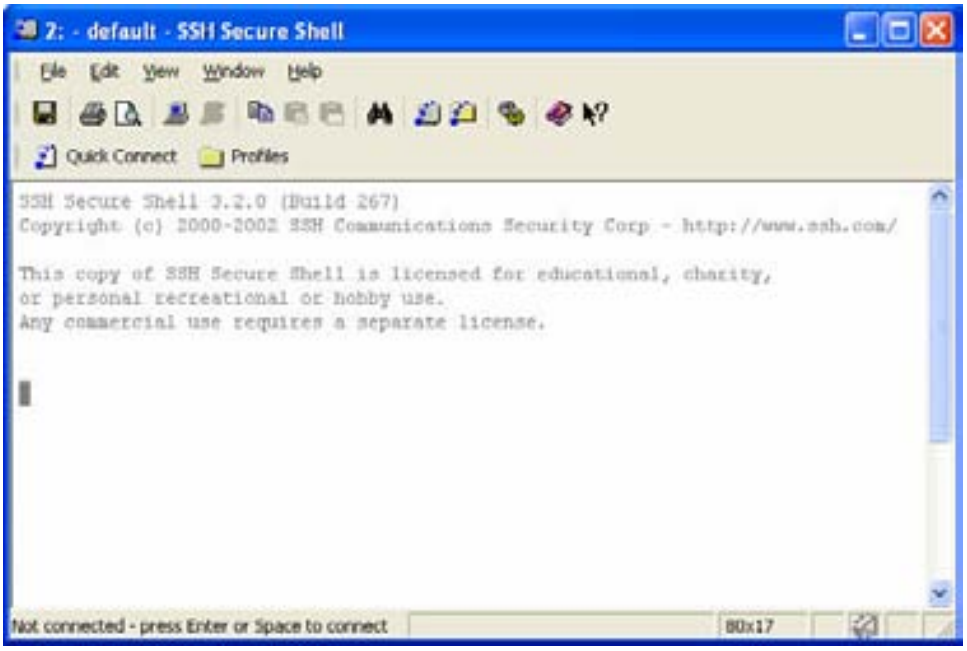
6. If you are certain you want to disconnect, click on OK, if not click on Cancel.

Web Server Password Maintenance Using SSH Secure Shell Client

Password maintenance on the new web server is done through the Secure Shell Client application. Passwords will expire every 90 days.

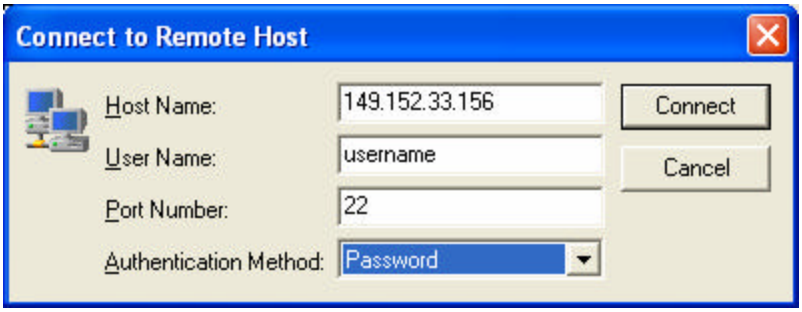
1. From your desktop icon start the Secure Shell Client. A window like the one shown in Figure 1a should appear.

Figure 1a



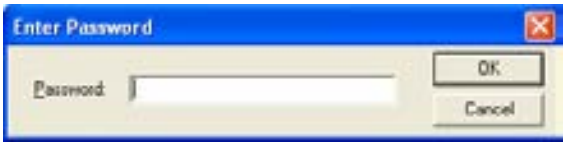
2. Click on the Quick Connect button (or from the File menu, select Quick Connect.
3. You will see a Password dialog box like the one shown in Figure 2a below.

Figure 2a



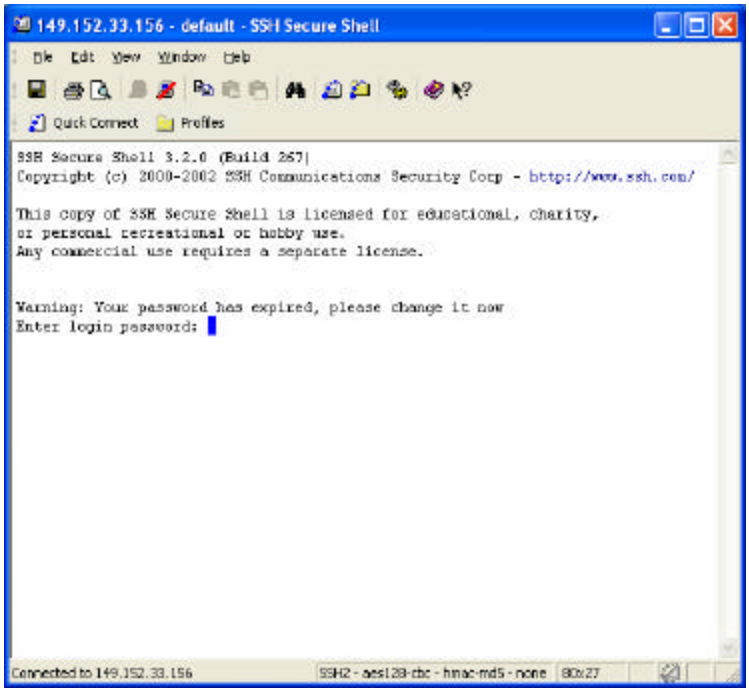
4. Be sure to enter *your* username in the User Name box. All other boxes should appear exactly as in Figure 2a. Click on the Connect button.
5. An "Enter Password" dialog box like the one in Figure 3a will appear next.

Figure 3a



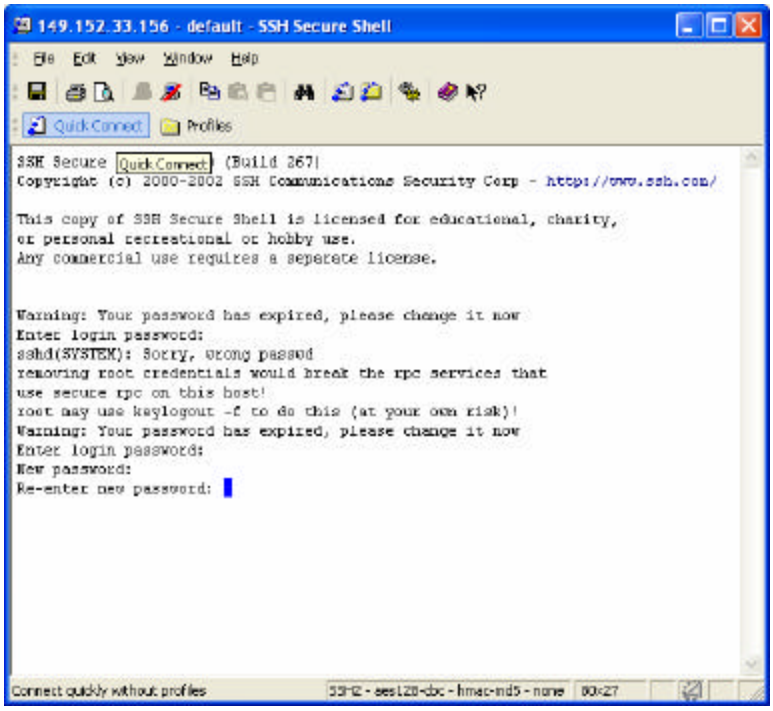
6. Type your old password in the "Enter Password" box and click on OK. If your password has expired continue to Step 7. If you wish to change your password at any other time, skip to Step 10.
7. Figure 4a represents the SSH Secure Shell Client screen you will see after logging on in order to change an expired password.

Figure 4a



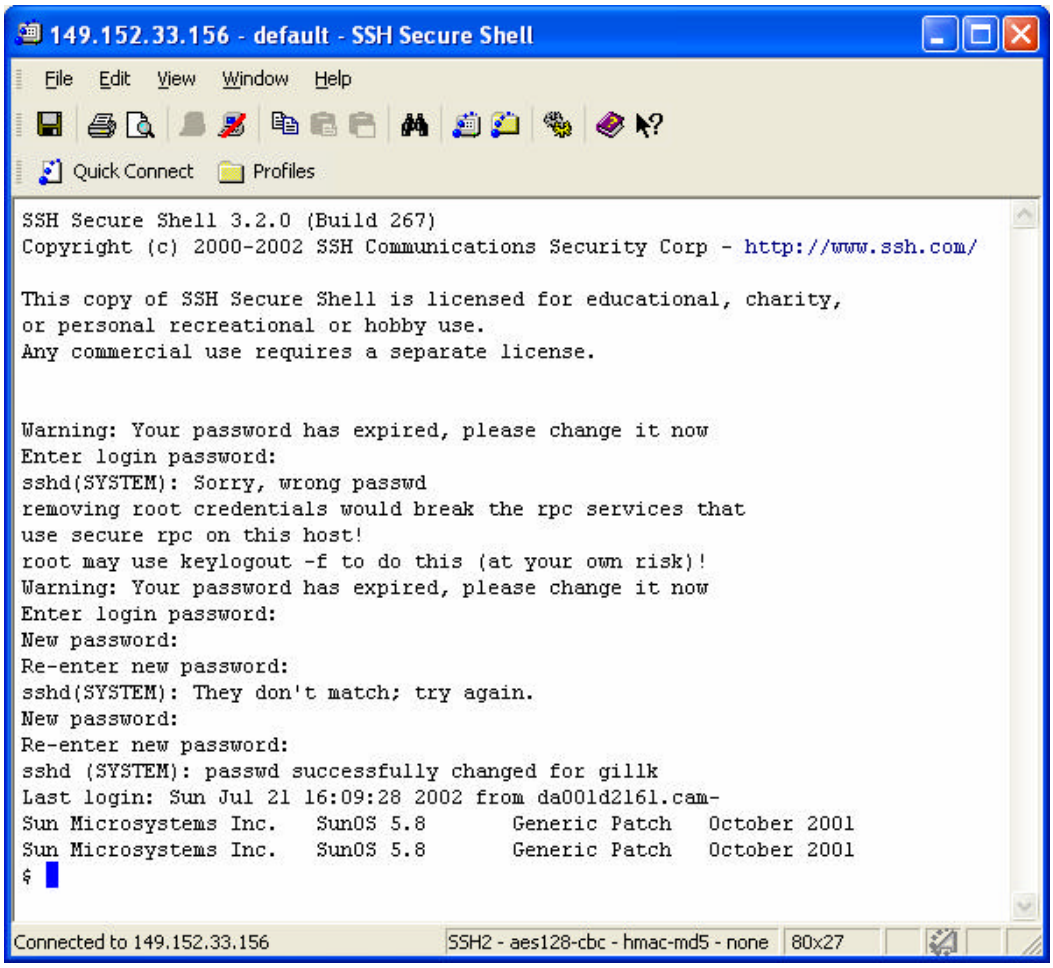
8. Type in your old password at the Enter login password: prompt
NOTE: If you type your old password incorrectly you will see an error message. See Figure 5a below.

Figure 5a



Re-type your old password correctly and press the Enter key. You will be prompted to enter your new password. Press the Enter key on your keyboard. You will be prompted to re-enter your new password a second time for confirmation purposes. Do so and press the Enter key on the keyboard again. Once you have successfully completed these tasks, your screen will change to one similar to Figure 6a.

Figure 6a



Note: if you mistype your new password (non-matching) this message appears: sshd (SYSTEM): They don't match; try again. See Figure 5a above.

9. If you successfully enter your new password twice as required, you will receive an on-screen confirmation message:
sshd (SYSTEM): passwd successfully changed for <your username>

   Once you have successfully changed your password, click on the Disconnect icon on the toolbar. A confirmation dialog box will appear. Click on OK to complete the disconnection from the web server.

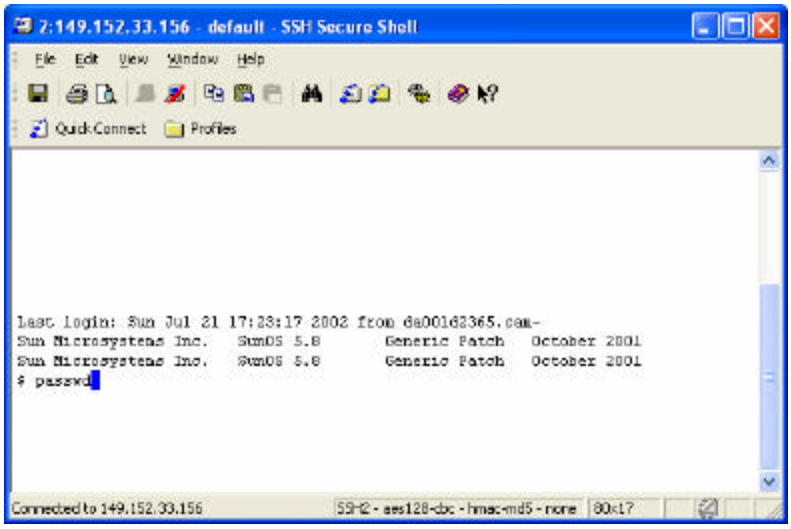
   The following steps 10 – 14 discuss changing your password for reasons other than expiration.

10. Figure 7a represents your screen after logging onto the new web server.

Figure 7a

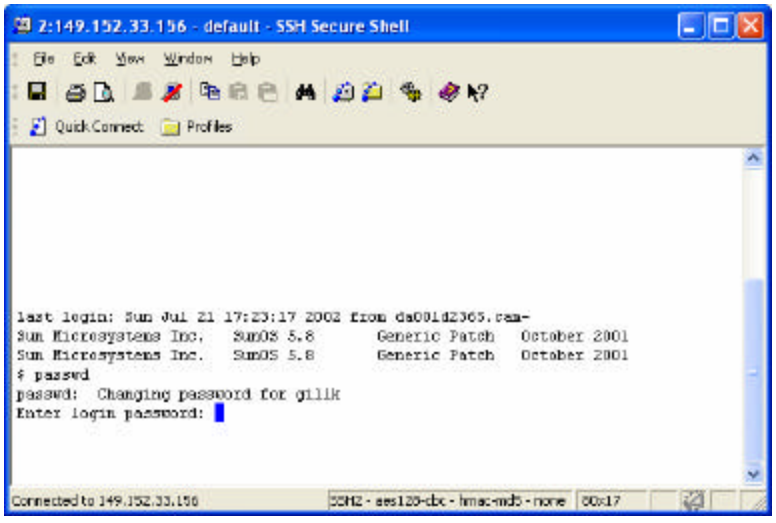
11. At the $ prompt type passwd as shown in Figure 8a.

Figure 8a



12. Press the Enter key on your keyboard. Figure 9a shows the result of this.

Figure 9a



13. At the Enter login password: prompt type in your old password and press the Enter key on your keyboard. You will be prompted to enter your new password. Do so and press Enter again. You will next be prompted to re-enter your new password. Do so and press Enter again.

    If you correctly typed your new password, you will see the on-screen confirmation message:

    sshd (SYSTEM): passwd successfully changed for <your username>

Note: if you mistype your new password the second time you will see the message:

sshd (SYSTEM): They don't match; try again. See Figure 5a above.

IMPORTANT: Be sure to disconnect before closing the application.

Click on the Disconnect icon  on the tool bar or choose Disconnect from the File menu.

Minimum System Requirements:

- Pentium processor
- Windows 95 or higher
- 32 MB RAM
- 15 MB disk space
- Adobe Acrobat Reader

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