

How to SFTP to cs75.net from Windows

Recall that cs75.net is a VPS running Linux on which you have an account. On this cluster you have 500 MB of storage space (your so-called home directory). To SFTP files to your account means to upload files to your home directory via an SFTP client, a program that “speaks” SFTP.

You’re welcome to use any SFTP client for the course. This document explains how to install and use SecureFX, commercial software for Windows for which Harvard has a site license; it’s installed on most PCs around campus and can also be installed on yours.

Because your domain is hosted on cs75.net, you may substitute your own domain name for cs75.net throughout this document. They will both lead you to the same place!

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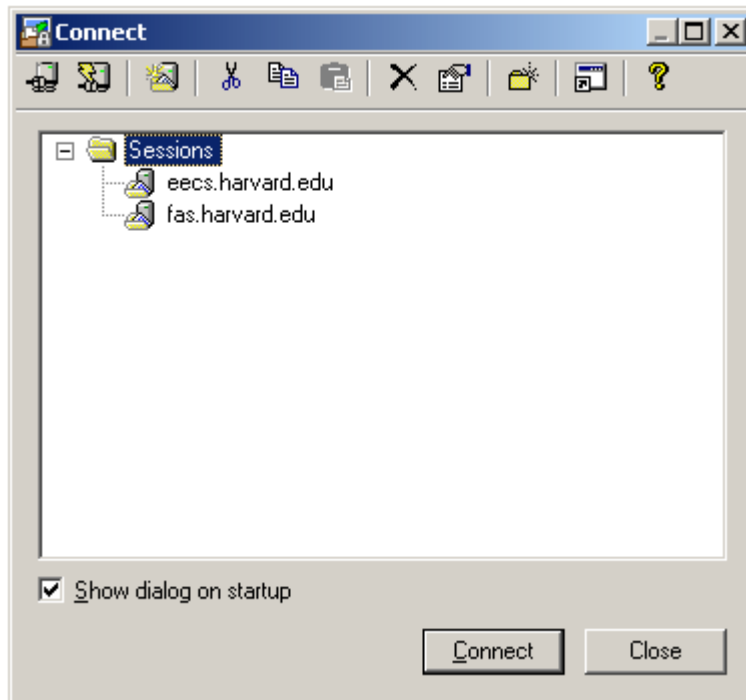
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Installing SecureFX

If SecureFX is not already installed on your computer, download the installer for SecureFX to your desktop via the course's website under **Software**. Double-click the installer's icon and follow the on-screen directions. It's fine to breeze through them, leaving all defaults selected.

Launching SecureFX

Launch SecureFX via its icon. You should then see a window like the below appear. If not, make it appear by going to **File** → **Connect...**



The window you see may or may not list these same sessions. If cs75.net does not appear in the list, proceed to **Creating a Session**, below. If cs75.net does appear in the list, skip to **Using SecureFX**.

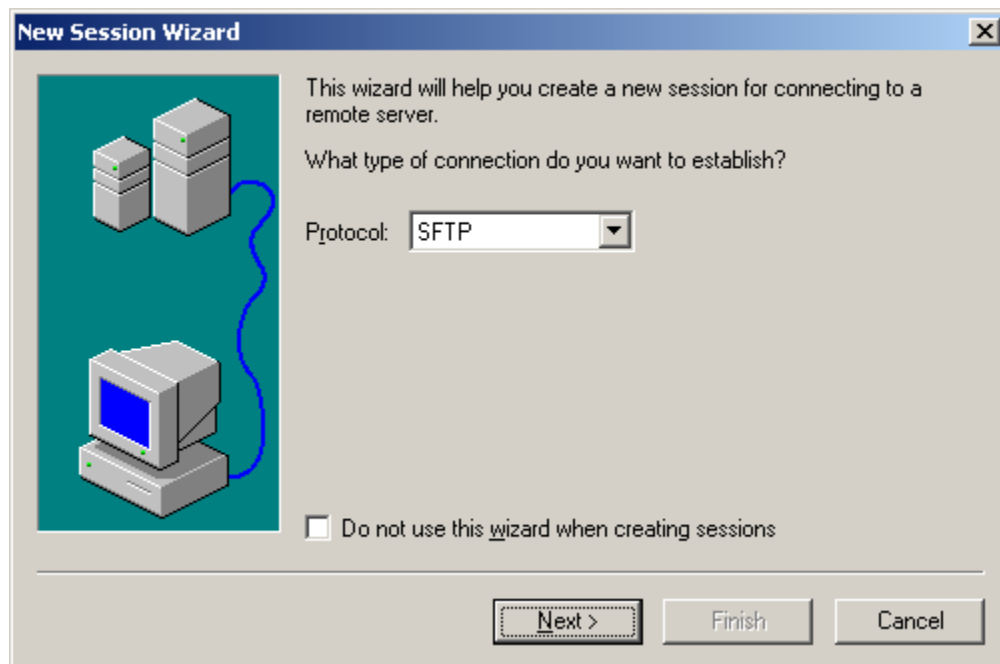
Creating a Session

If you're using SecureFX on your own computer, you should need to create a session for cs75.net only once. On a PC in one of Harvard's labs, you may need to create a session each time you use the PC, as lab PCs' hard drives tend to be restored to defaults upon logout or overnight.

In the **Connect** window (pictured above), click the third icon over from the top-left that looks like the below.



Make the window that appears look exactly like the below.



Click **Next** and make the window that appears look exactly like the below.

New Session Wizard

What is the name or IP address of the remote host?
The user name can be left blank.

Hostname: cs75.net

Port: 22

Firewall: None

Username:

< Back Next > Cancel

Click **Next** yet again and make the window that appears look exactly like the below.

New Session Wizard

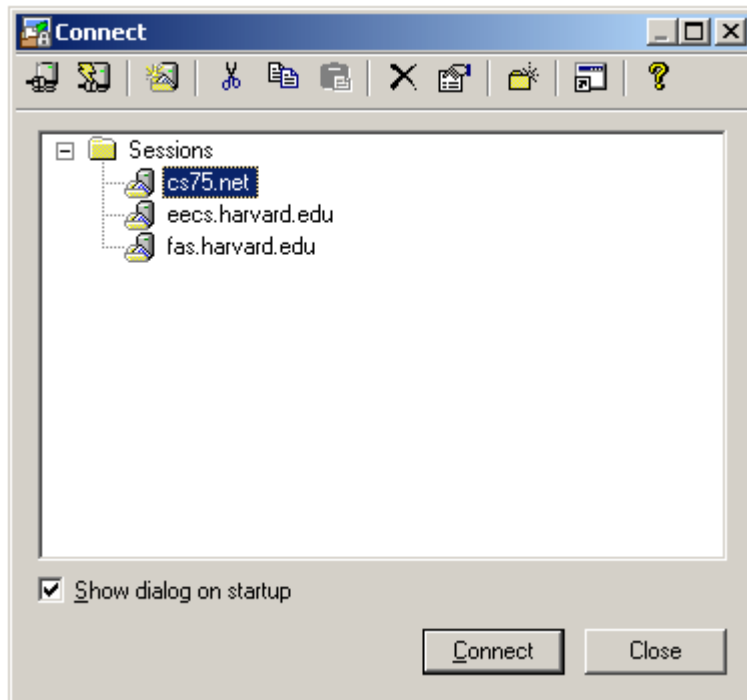
The wizard is now ready to create the new session for you.
What name do you want to use to uniquely identify the new session?

Session name: cs75.net

Description:

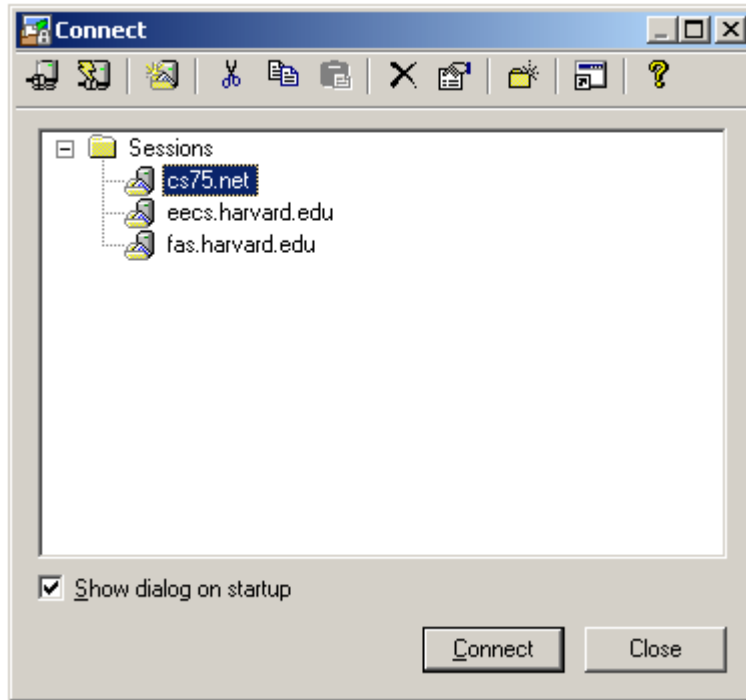
< Back Finish Cancel

Finally, click **Finish**. You should see a window like the below appear. Again, the window you see may or may not list as many sessions, but it should now at least include cs75.net.

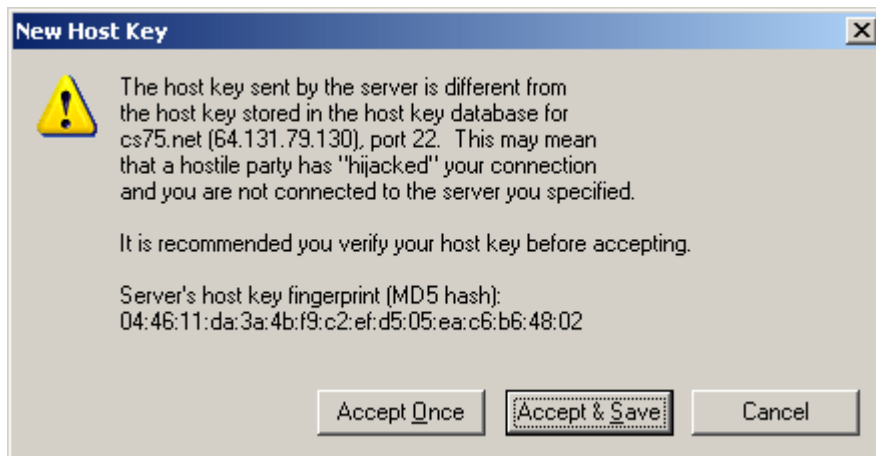


Using SecureFX

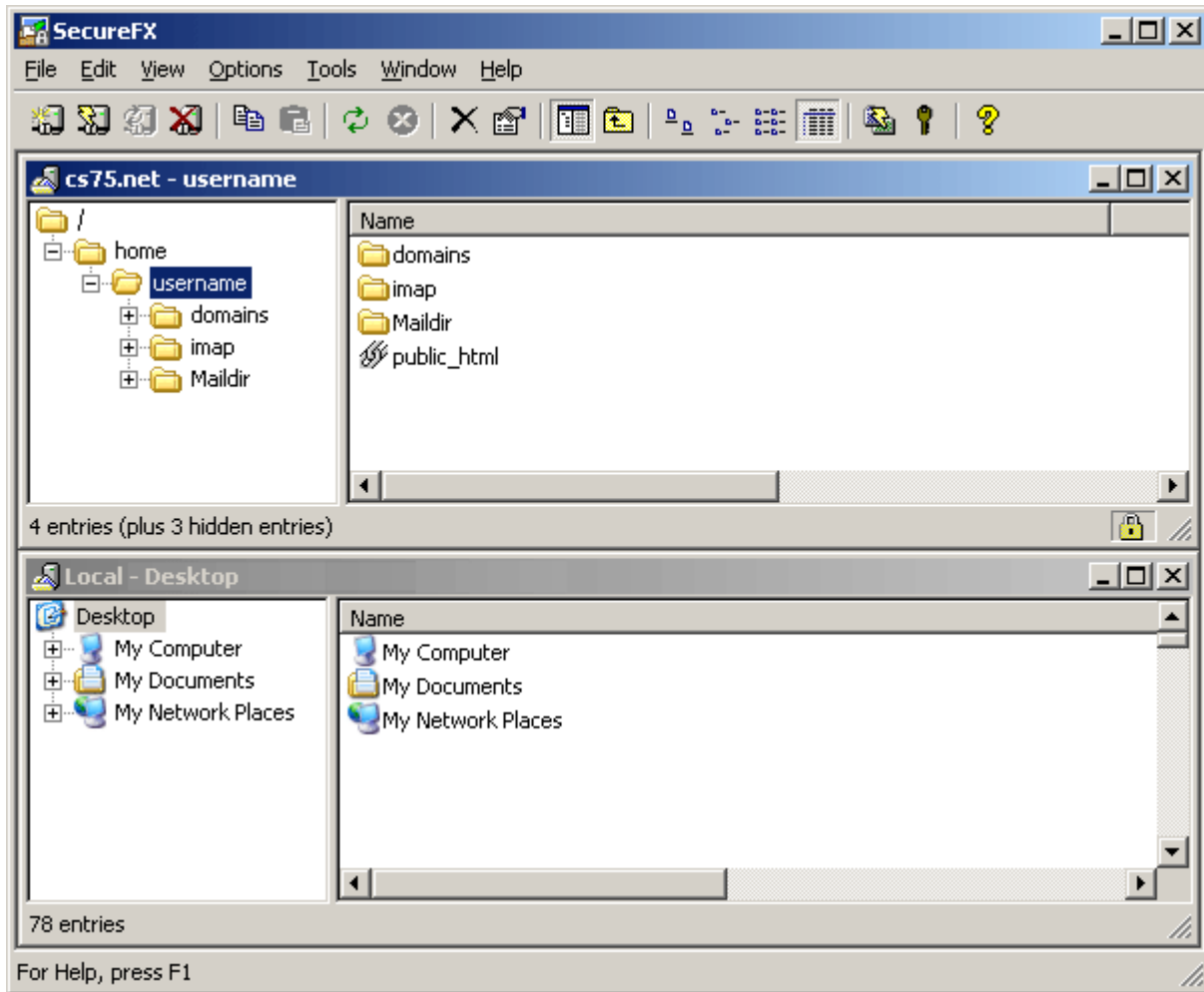
Launch SecureFX. Assuming you have already created and configured a session for cs75.net, you should see a window like the below.



Highlight `fas.harvard.edu` by clicking it, then click **Connect**. If you see a window like the below, click **Accept & Save**.

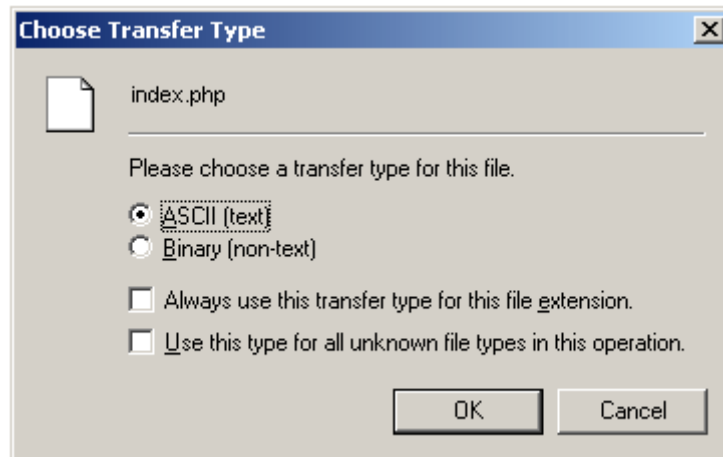


Provide your username and password if prompted. A window containing at least two smaller windows should then appear. If you go to **Window** → **Tile Horizontally**, that window should resemble the below. Even if your own smaller windows are arranged differently, you should find that one provides you with access to the contents of your home directory, while another provides you with access to the contents of your local computer.



Note that your public_html directory may appear as a symbolic link, the icon for which is a chain. You may need to double-click that icon before SecureFX will resolve the link, after which you can double-click it again to open the directory.

Navigate your way to the file(s) that you would like to upload by double-clicking the appropriate icons within the window representing your local computer. Then, navigate your way to the directory to which you would like to upload one or more files by double-clicking the appropriate icons in your home directory's window. (If you need to create one or more directories on cs75.net, simply right-click within its window and select **New** → **Folder....**) Click the file(s) that you would like to upload and drag the file(s) to their destination within your home directory. If prompted with a window like the below, select **ASCII (text)** only if the file you are uploading is purely text (*e.g.*, CSS, PHP, XHTML, *etc.*), otherwise select **Binary (non-text)**, and click **OK**.



The file(s) should then be uploaded to the destination you've chosen. May that you never have to read all of these directions again!