

## How to SFTP Files to `nice.fas.harvard.edu` from Mac OS

Recall that `nice.fas.harvard.edu` refers to a cluster of computers running Linux on which you have an account (your so-called FAS account). On this cluster you have several megabytes 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.

Distinct from `nice.fas.harvard.edu` is `fas.harvard.edu`, which refers to a separate cluster of computers intended for non-instructional purposes. You shouldn’t SSH to `fas.harvard.edu` for CSCI E-259, but you may SFTP files to it, as your same home directory is accessible on both `nice.fas.harvard.edu` and `fas.harvard.edu`. For simplicity, this document explains how to SFTP files to `fas.harvard.edu`, as most SFTP clients on campus are already configured for `fas.harvard.edu` but not `nice.fas.harvard.edu`. However, you may certainly SFTP files to `nice.fas.harvard.edu` instead.

You’re welcome to use any SFTP client for CS 50. This document explains how to install and use MacSFTP, freeware for Mac OS; it’s installed on most Macs around campus and can also be installed on yours.

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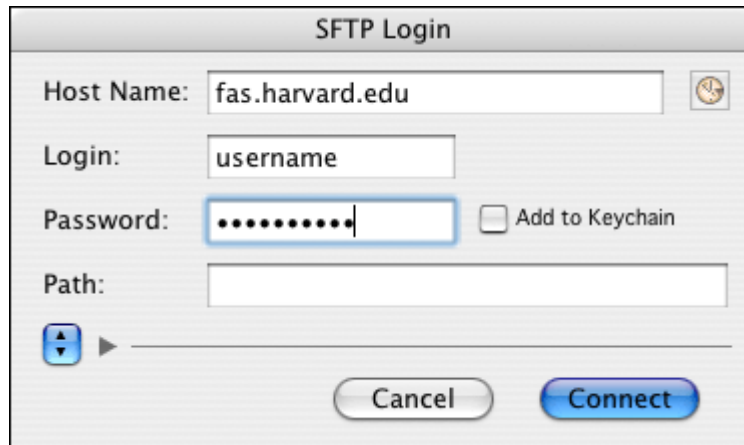
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## Installing MacSFTP

If MacSFTP is not already installed on your computer, download the installer for MacSFTP 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.

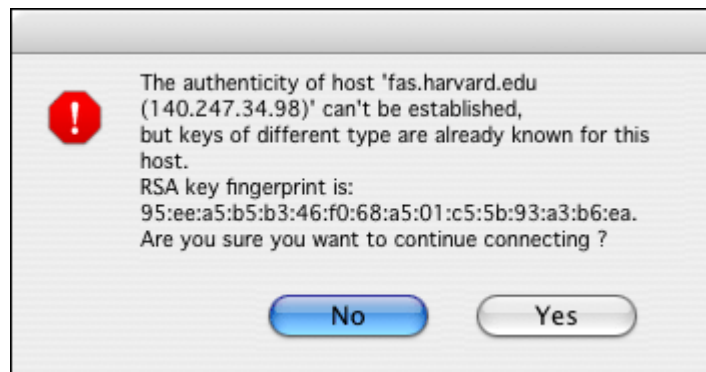
## Using MacSFTP

Launch MacSFTP via its icon. Make the window that appears look like the below, substituting your own username and password.



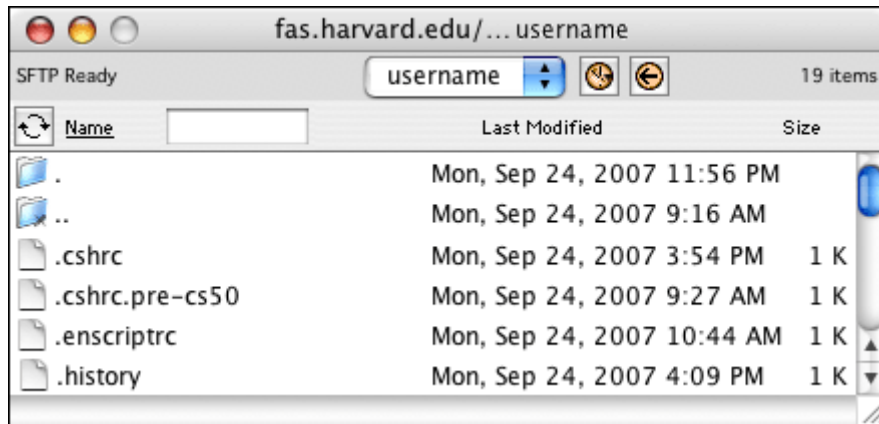
The screenshot shows the 'SFTP Login' dialog box. It has a title bar with the text 'SFTP Login'. Below the title bar, there are four input fields: 'Host Name:' with the value 'fas.harvard.edu', 'Login:' with the value 'username', 'Password:' with a masked password '.....', and 'Path:' which is empty. To the right of the Password field is a checkbox labeled 'Add to Keychain'. At the bottom of the dialog are two buttons: 'Cancel' and 'Connect'. There is also a small icon in the bottom left corner of the dialog.

Click **Connect**. If you see a window like the below, click **Yes**.

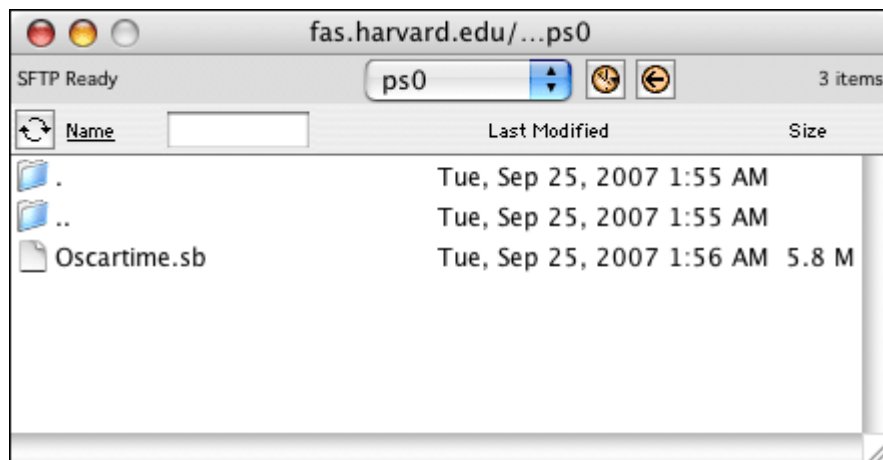


The screenshot shows a warning dialog box with a red exclamation mark icon. The text inside the dialog reads: 'The authenticity of host 'fas.harvard.edu (140.247.34.98)' can't be established, but keys of different type are already known for this host. RSA key fingerprint is: 95:ee:a5:b5:b3:46:f0:68:a5:01:c5:5b:93:a3:b6:ea. Are you sure you want to continue connecting?'. At the bottom of the dialog are two buttons: 'No' and 'Yes'.

A window like the below should then appear, providing you with access to the contents of your home directory.



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. Then, click the file(s) on your desktop or Macintosh HD that you would like to upload and drag the file(s) to their destination within your home directory. Once the upload is complete, your window should resemble the below.<sup>1</sup>



May that you never have to read all these directions again!

<sup>1</sup> Perhaps needless to say, this screenshot suggests that username uploaded `Oscartime.sb` from hard drive to his or her `~/cs50/ps0/` directory.