

Connect to Another Computer using MacFUSE

Conrad McGarry updated July 16, 2014 at 12:21 PM

Questions Addressed

- How do I connect to an SSH server in the Finder? How do I connect to an SSH server in the Finder?

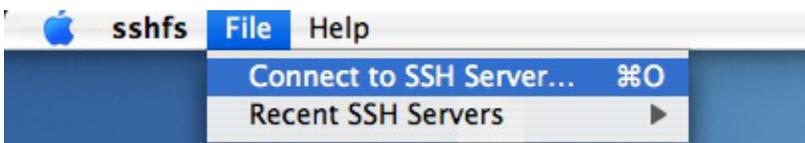
Mounting an SSH-connected folder in Finder

MacFUSE lets you drag and drop files to an SSH-connected folder right in Finder, as if it were a regular network drive. Because it's SSH, the file transfers are encrypted, and because it's implemented as a Mac network folder, you don't need other software like Fugu or Transmit to work with it: the remote drive is accessible like any local drive.

Note: When connecting from outside the UCSD network, [VPN](#) is required.

Here's how to set it up:

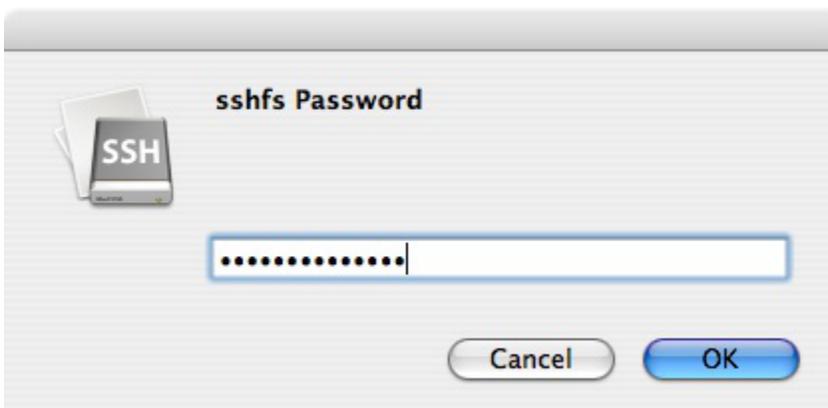
1. [Download MacFUSE from here](#). Mount the disk image, run the installer, and restart when prompted. This is the core for other components...
2. [Download SSHFS](#) disk image and install. This bit works with MacFUSE to mount drives over SSH.
3. To connect to your SSH server, launch **sshfs** (contained in your Applications folder), and from its **File** menu, choose " **Connect to SSH server...**"



Enter your server's address, your user name, and the file path on the server, as shown (defaults to your home directory).

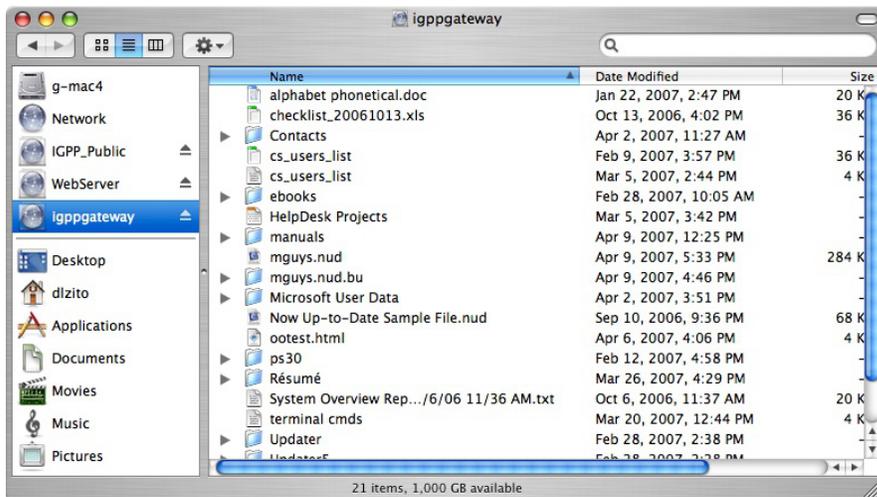


4. Then, provide your SSH server's password. (This has to be done every time, as there is currently no Keychain functionality).



5. If all goes well, the remote file system will be available as a network drive on your Desktop and in Finder. Here's a screen shot of my Documents directory on a remote computer mounted via sshfs:

- (It's the third network volume... notice how it looks just like the other ones, which were [mounted via AFP](#)):



6. It can also be accessed in Terminal by issuing the command `cd /Volumes/servername`

```
g-mac4:~ dlzito$ cd /Volumes/igppgateway/
g-mac4:/Volumes/igppgateway dlzito$ ls -l
total 1040
drwxr-xr-x  1 dlzito  dlzito   2048 Apr  2 11:27 Contacts
drwxr-xr-x  1 dlzito  dlzito   2048 Mar  5 15:42 HelpDesk Projects.oo3Server
drwxr-xr-x  1 dlzito  dlzito   2048 Apr  2 15:51 Microsoft User Data
-rw-r--r--  1 dlzito  dlzito 69096 Sep 10 2006 Now Up-to-Date Sample File.nud
d
drwxr-xr-x  1 dlzito  dlzito   2048 Mar 26 16:29 Re??sume??
-rw-r--r--  1 dlzito  dlzito 20404 Oct  6 2006 System Overview Report 10:6:
06 11:36 AM.txt
drwx----- 1 dlzito  dlzito   2048 Feb 28 14:38 Updater
drwx----- 1 dlzito  dlzito   2048 Feb 28 14:28 Updater5
-rw-r--r--  1 dlzito  dlzito     0 Mar 21 10:41 Workout #1-Warm up- 2X (200
textClipping
-rw-r--r--  1 dlzito  dlzito 19968 Jan 22 14:47 alphabet phonetical.doc
-rw-r--r--  1 dlzito  dlzito 36352 Oct 13 16:02 checklist_20061013.xls
-rw-r--r--  1 dlzito  dlzito 36864 Feb  9 15:57 cs_users_list
-rw-r--r--  1 dlzito  dlzito  1322 Mar  5 14:44 cs_users_list.txt
```

If you are having trouble connecting...

For instance, if it keeps asking you for a password, then first connect via SSH in Terminal. Once you have successfully logged into that system, logout and try `sshfs` again.

Also, in some cases you may need to specify a Remote Directory within your home (such as "Documents") to connect successfully (see step 3).

When connecting from **outside the UCSD network**, [VPN is required](#).

If you need further assistance, please [contact IGPP Net Ops](#).