

Macintosh OS X: Transferring Files with SFTP Fugu

Uploading and Downloading with a *Secure File Transfer Protocol* Graphic Front End

1. Start *Fugu*

Login to your Macintosh OS X Intranet account.

(For login assistance, please refer to *1. The Login* in the handout *Macintosh: Getting Started*.)

Access the *Applications* folder. (For more assistance, please refer to *1. The Home Folder* in the handout *Macintosh: Getting Around*.)

From the *Applications* folder, double-click the *SFTP Fugu* folder icon:



From the *SFTP Fugu* folder, double-click the *Fugu* application icon:



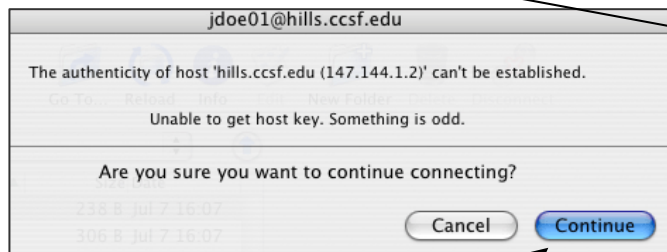
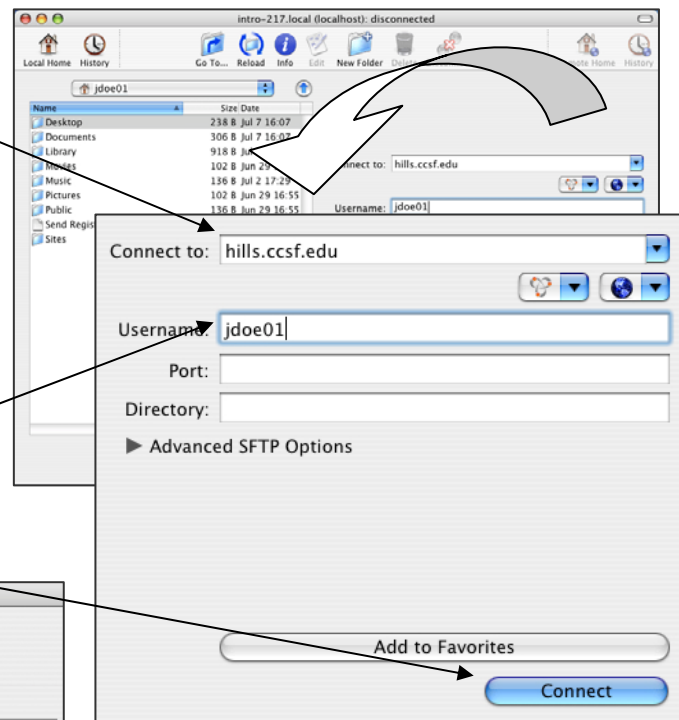
The left side of the large window that appears displays the contents of your local Macintosh home folder; the right side is a login procedure to a remote server.

2. Connect to a Remote Server

Enter *hills.ccsf.edu* in the *Connect to:* box to access your HP Unix account on hills server; **or**, Click the down arrow ▼ on the right side of the *Connect to:* box and highlight *hills.ccsf.edu* from the menu if it is listed.

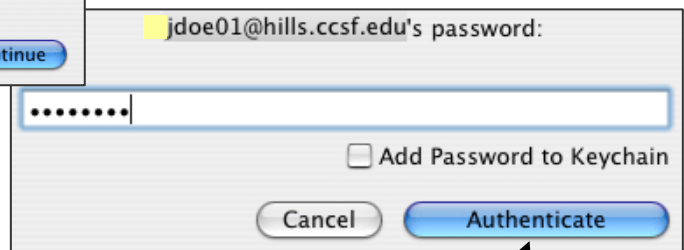
If you are logged in to your Macintosh account, the *Username* box already has your hills login name because the two login names are the same. Visually verify and make necessary corrections.

Then click the *Connect* button.

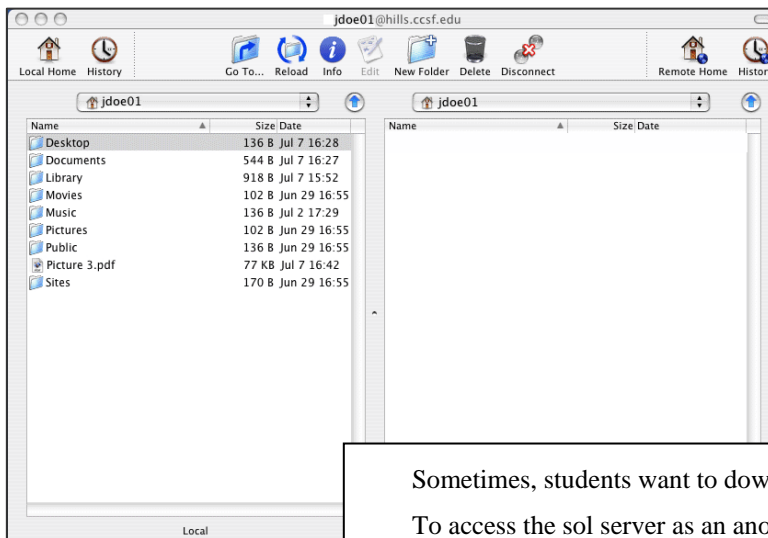


If this is your first *Fugu* connection at this unit, you are prompted to continue.

Click the *Continue* button.



The right side of the window changes. Type your *hills* password in the box provided. The characters you type are masked for your protection. Click the *Authenticate* button.



If your login name and password were both received correctly, your login is successful and your home directory on the remote hills server appears on the right side of the window.

The *Fugu* button bar displays across the upper portion of the window.

Sometimes, students want to download files from the sol server.


To access the sol server as an anonymous user:

- open a web browser;
- enter the internet address (URL) for the target ftp connection in the *Address:* bar:
ftp://sol.ccsf.edu

3. Transfer Files

► Change Directories

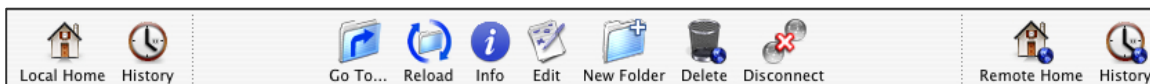
You may upload to or download files from folders/directories other than the home folder/directory now showing on the local and the remote sides of the *Fugu* window.




A folder icon looks like a file folder: 

A file icon looks like a sheet of paper with a corner folded over: 

Sometimes an application-specific icon or logo appears inside the folded page icon.

The *Fugu* button bar displays over the Macintosh home folder and the hills home directory:



- Open a folder by:
 - double-clicking the name or icon of the folder; or
 - highlighting the folder name/icon and clicking the *Go To* button: 
- Create a new folder by:
 - opening the destination folder where you want to put the new folder; and
 - double-clicking the *New Folder* button  on the *Fugu* button bar.
- Delete a file by:
 - highlighting the file name or icon; and double-clicking the *Delete* button. 
 - NOTE: Folders cannot be deleted in the *Fugu* application.*
- Return to the Home Folder/Directory

If you get lost in the nested directories, return to either home directory any time: double-click the *Local Home* button on the left to return to your Macintosh home folder; use the *Remote Home* button on the right side to return to the HP hills home directory.



► Click, Drag, and Drop

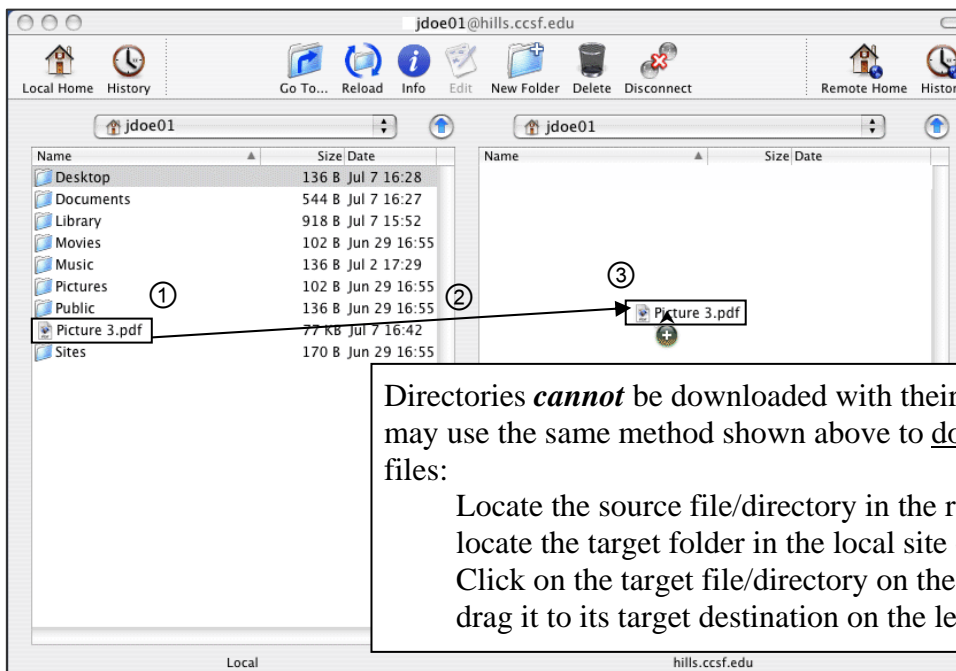
Fugu transfers a duplicate copy of the file to the target location *without removing* the source file from its location.

To upload an individual file or a folder (with files in it):

Locate the local source folder where the file or folder you want to upload is located.

Locate the remote destination directory where you want to upload the file or folder.

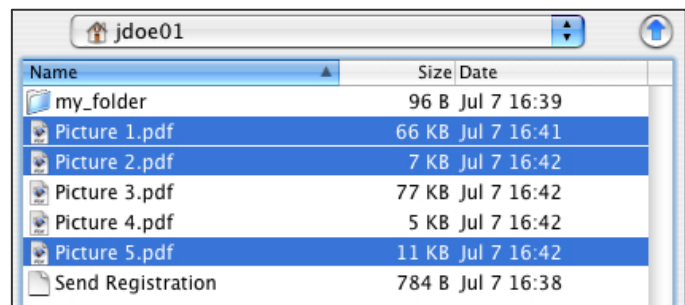
- ① **Click** to highlight the folder(s)/filename(s) to transfer.
Don't release the mouse button.
Hold it down while you continue to move the mouse and the files.
- ② **Drag** the highlighted icon/name with the mouse to the remote destination folder.
- ③ **Drop** the file(s)/folder(s) by releasing the mouse button over the destination folder or over the name/icon of the destination folder.



► Select Multiple Files for Transfer

To select a group of files for transfer, hold the *Shift* key (⇧) down while you click to highlight the filename(s) to transfer.

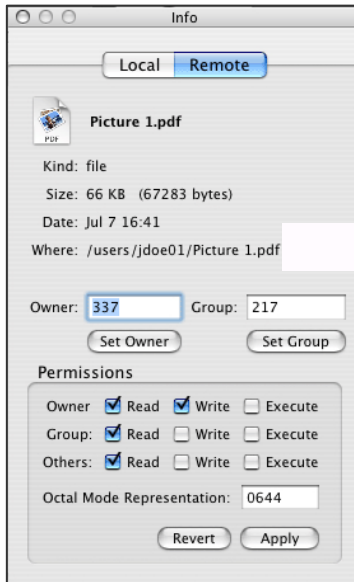
If all of the files you want to transfer are not listed together, use the *Command* key (⌘) to highlight additional filenames listed separately from the others highlighted.



► Modify File and Directory Permissions

If you are developing a website, you will need to modify file and directory permissions so that other users may read/execute them.

In order to alter the permissions on a file or directory: first, click to highlight the name/icon of the file/directory. Then, click on the *Info* button  on the *Fugu* button bar.



A small dialog box will overlay the right side of the window.

The highlighted tab must correctly indicate the *Local* or *Remote* location of the file whose permissions you are changing.

Make sure the name and the icon of the file whose permissions you want to change appear below the highlighted folder tab.


The checked boxes indicate the current read, write and execute permissions this file has for its *Owner*, its *Group*, and *Others*. There is also a 4-digit *Octal Mode Representation* of the permissions.



To make webpages accessible to users in your *Group* and *Others*, permissions recommended are:

644 (r w - r - - r - -) for documents or images; and

711 (r w x - - x - - x) for their directories.

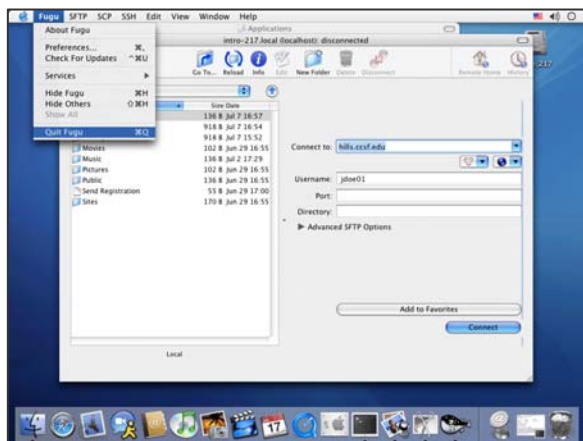
Change the permissions by clicking the boxes to add or remove permissions; or, by typing the digits corresponding to the octal mode representation of the permissions.


If you want to *cancel* any changes you have not yet applied, click the *Revert* button: 

If you want to make the modifications you have indicated in the file permissions, click the *Apply* button:  A confirmation message briefly appears in the lower left corner of the *Fugu* window. To verify that the new permissions have been applied, close the *Info* dialog box by clicking the round red button  in the upper left corner of the dialog box. (The red color does not appear in the leftmost button until the mouse cursor is passed in the upper left corner of the window.) Then with the same filename still highlighted, click the *Info* button again to show the current permissions.

Once you have correctly modified the permissions on the selected file, close the *Info* dialog box by clicking the round red button in the upper left corner of the dialog box.

4. Disconnect UNIX and Quit Fugu



If you have completed uploading and/or downloading files, click the *Disconnect* button  on the *Fugu* button bar to terminate the UNIX login session and close the *Fugu* window.

Quit Fugu by clicking on the *Fugu* menu at the top of the screen and selecting the *Quit Fugu* option to close the *SFTP* window.

Log off the Macintosh Intranet after completing your work. Please refer to the handouts *Macintosh: Getting Around* and *Macintosh: Getting Started* for further assistance.