

SFTP with Fugu for OS X

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Welcome to UT's School of Information tutorial on Fugu, an easy to use, free, Secure File Transfer Protocol (SFTP) software application for Mac OS X. Fugu was developed by the Research System Unix Group at the University of Michigan. You can find the free download and information at the Fugu homepage: <http://rsug.itd.umich.edu/software/fugu/>.

Objectives

- Download, Install, and Open Fugu
- Connect to and Navigate server space
- Download and Upload files
- Manage files and folders

Definitions

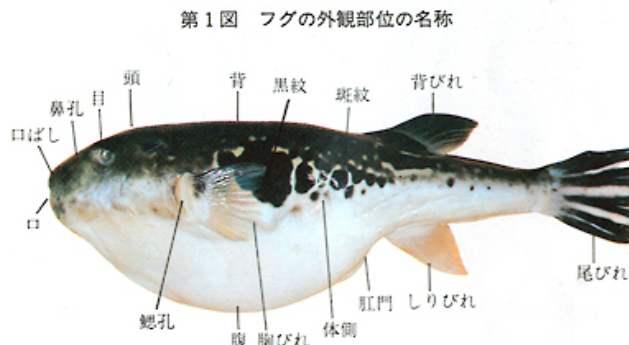
Before we get started you might want to know the following acronyms:

SFTP: Secure File Transfer Protocol

SCP: Secure Copy Protocol

SSH: Secure Shell

Introduction



This ^ is a Fugu Pufferfish.

Fugu? What's a fugu, you may be asking. Fugu is the Japanese term for the poisonous blowfish, a peculiar fish native to the Pacific Ocean. Considered a delicacy in Japan and the Philippines, the blowfish (scientific name *Diodon holacanthus*), an unattractive fish that boasts the ability to inflate its body and project protective spikes, contains significant amounts of tetrodotoxin, a powerful toxin that will shut down your CNS faster than an all-day Charmed marathon. (From <http://www.destroy-all-monsters.com/fugu.shtml>)



And This ^ is the Fugu Icon.

Fugu - A Mac OS X SFTP, SCP and SSH Frontend.

Fugu is a graphical frontend to the commandline Secure File Transfer application (SFTP). SFTP is similar to FTP, but unlike FTP, the entire session is encrypted, meaning no passwords are sent in cleartext form, and is thus much less vulnerable to third-party interception. Fugu allows you to take advantage of SFTP's security without having to sacrifice the ease of use found in a GUI.

Features

- Drag and drop upload and download of files.
- Directory upload (not natively supported in SFTP).
- Permissions, owner and group modification.

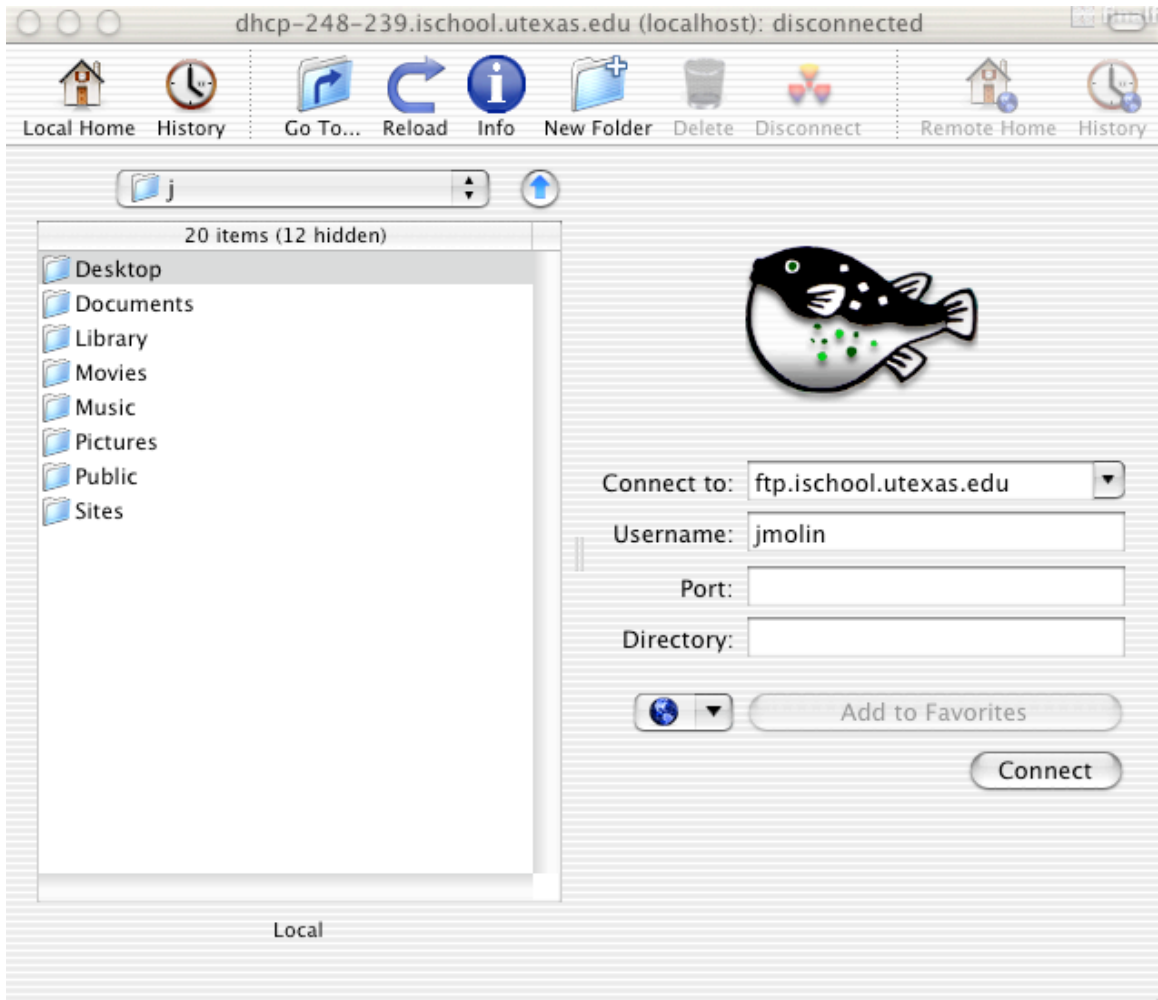
(From <http://rsug.itd.umich.edu/software/fugu/>)

Downloading, Installing, and Opening Fugu

To install Fugu goto the homepage, <http://rsug.itd.umich.edu/software/fugu/>, and **Download**. From there select the latest version, [fugu-1.0.0.dmg.gz](#); the compressed files should be downloaded to your computer and automatically uncompressed and mounted. Follow the directions: drag and drop the Fugu icon to the Applications folder. Double-click on the Fugu Icon to open the application. (Drag the big Fugu Icon to the dock to create a shortcut.)

Connecting

Opening Fugu will introduce this interface:

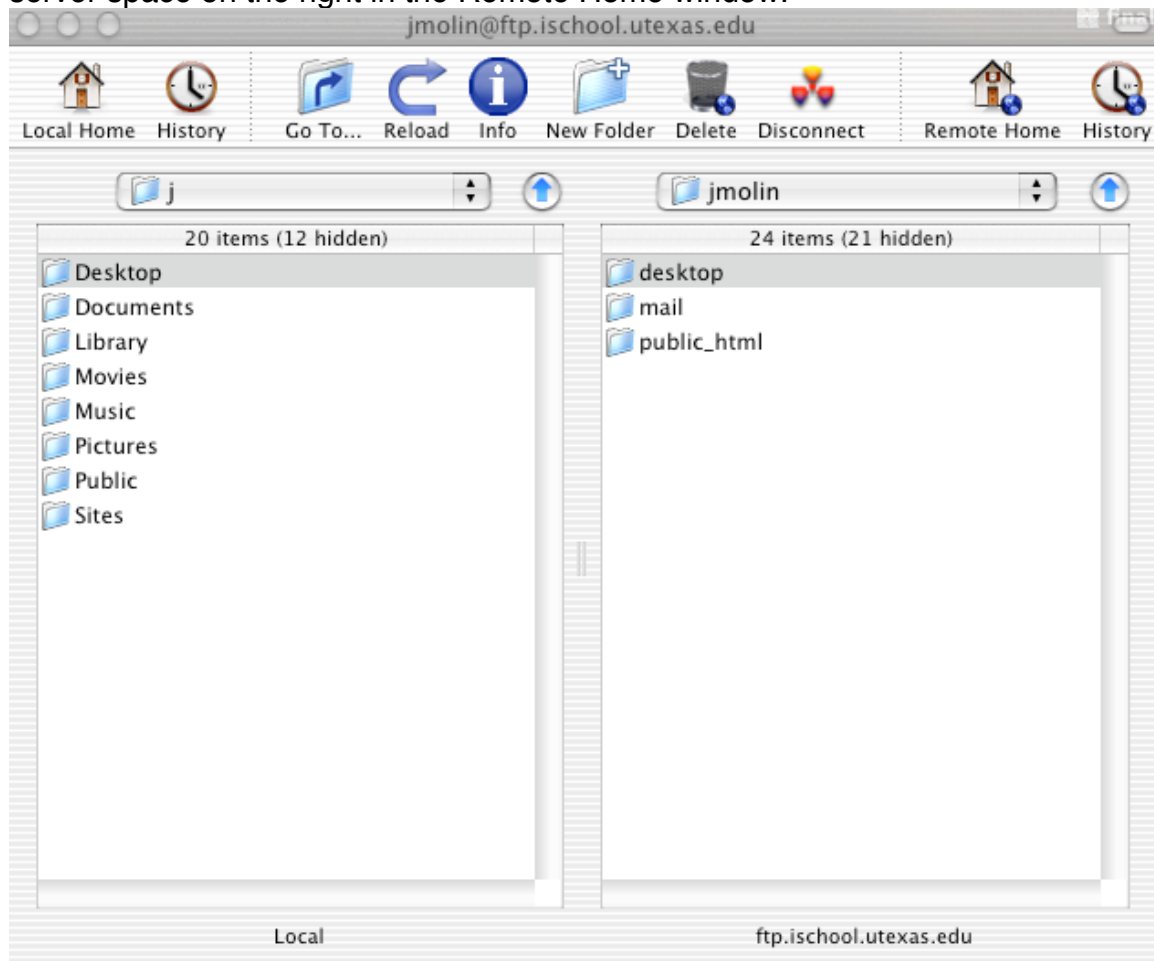


I've entered the address for UT's School of Information FTP server and my School of Information username. The Port and Directory fields are optional, you can leave them blank. When you click on the Connect button, you will be asked for your School of Information password:



Navigating

Once your password is Authenticated, you will see the main interface with files from your computer on the left in the Local Home window and files from your server space on the right in the Remote Home window.



Double click on a directory folder to see its contents. A dropdown menu gives you a few directory options. To get out of a directory, click the up arrow beside the dropdown menu and go up one level in the directory hierarchy. To see up to the last 20 folders you've visited, click on the History icon along the top. Use the Local Home and Remote Home buttons to get back to where you started.

Downloading and Uploading

To upload files simply drag them from the Local window on the left to the Remote window on the right. To download files simply drag them from the Remote window on the right to the Local window on the left. Note: Fugu doesn't support SFTP download of folders. To get around this Fugu will ask you to use SCP instead. Choose **Download with SCP**.

Managing Files and Folders

- To delete files simply select them and hit the **Delete** key. You will be prompted to confirm the deletion. Fugu does not support the deletion of folders with contents. First delete the contents; you can delete empty folders. (If the folder appears to be empty but cannot be deleted, make sure there are no hidden files by selecting **Show Hidden Files** in the **SFTP** menu.)

- To rename a file, select it and hit the **Enter** key to make it editable. Once you've retyped the name, hit **Enter** to save the new name. If you don't want to save what you've typed, simply click on another file to leave it unaltered.
- To see an item's attributes, select it and click the **Info** button along the top to see **General** information such as file size, type, date, and location. Click on the **Permission** tab to set Read, Write, and Execute properties.

References:

<http://rsug.itd.umich.edu/software/fugu/>