



# Using Fugu to Securely Access Titan



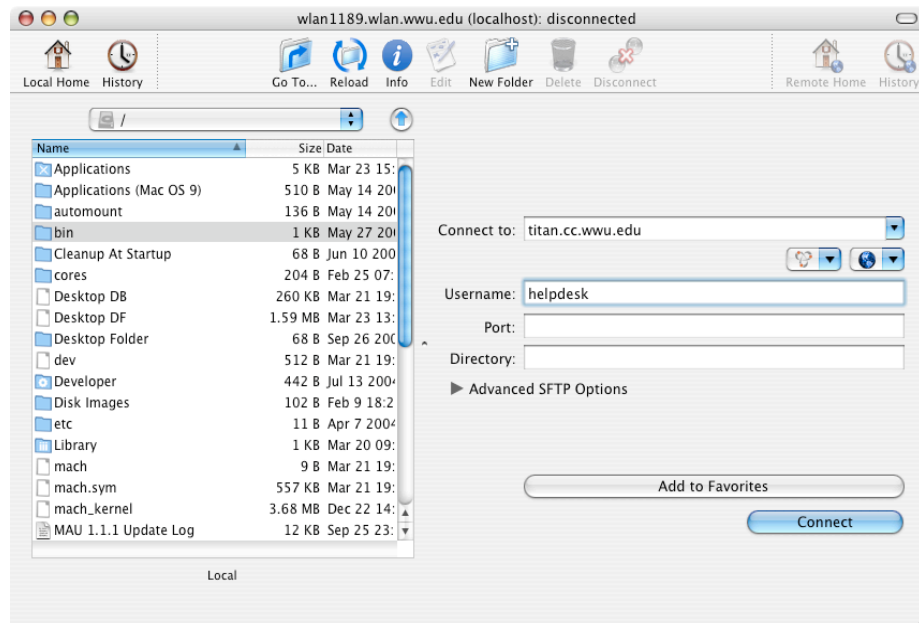
Fugu, created and distributed by the Research Systems UNIX Group at the University of Michigan, is a program that allows a user to access FTP sites securely on Mac OS X. Titan, the academic UNIX server, now requires all FTP connections to be made securely, and will not accept unsecured connections from programs such as Fetch.

## I. Instructions

1. Obtain the latest version of Fugu from <http://rsug.itd.umich.edu/software/fugu/>. Double click the disk image that you've downloaded in order to mount it, and then drag the Fugu application file from the disk image into your Applications Folder. Eject the Fugu disk, and drag the Fugu .dmg file to the Trash.

2. Double click the Fugu icon in your Applications Folder to launch Fugu.

3. Fill in "titan.cc.wwu.edu" in the "Connect to:" field, and fill in your username in the username field. You may click on "Add to Favorites" to save yourself the trouble of typing these things in the future. Click "Connect" and type in your password when prompted.



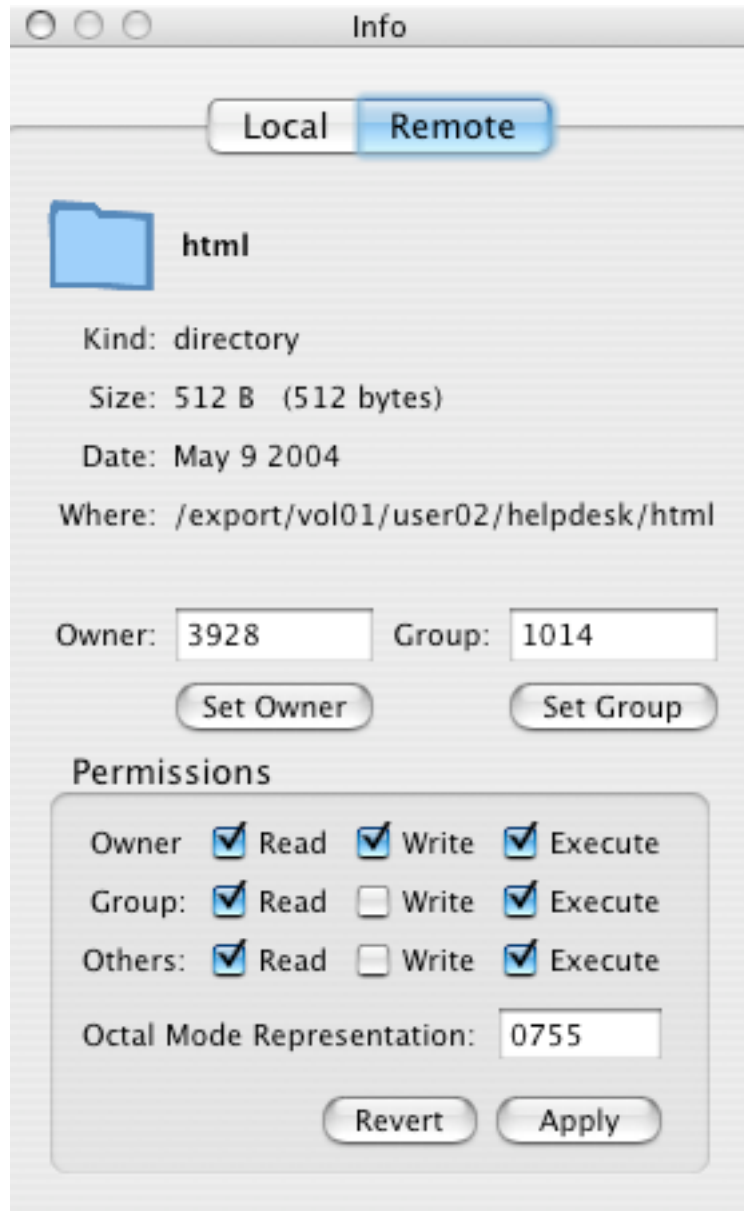
4. The files on your computer will be on the left side of the window, while the files located on Titan will be on the right side. If you find that you don't see anything familiar on the left hand side, locate the "Users" folder, and then find your login name in order to open your home directory.

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6. If you're uploading files in order to display them on a website, be sure that you've got everything in the right place. Everything you wish to display on the web should be in a folder called "html" in your home directory. If you cannot see this folder, create it by clicking on "New Folder." Be sure that "html" is typed in all lower case, and that the folder is in your home directory. If you see "bin" and "mail" folders in the right side of the window, you're in your home directory.

You'll also need to set proper permissions in order for others to be able to view your files on the web. Every folder that you want accessible, including the html directory, must have permissions of 755. Every file must have permissions of 644. To set these permissions, highlight the items you want to modify, and click the Info button in the toolbar. The permissions options will be in the lower right hand corner. Fill in the field with the appropriate permissions.



## II. Frequently Asked Questions

### **Q: Why am I being disconnected from Titan?**

A: Titan does not allow you to stay connected indefinitely, and will disconnect you after a short period of inactivity.

### **Q: I don't like Fugu! Are there other programs I can use to access Titan?**

A: There are other programs available. Some people prefer to use Cyberduck, which is also free, and can be obtained at <http://cyberduck.ch/>. Most users agree that the best secure FTP program available for OS X is Transmit. A free trial is available at <http://panic.com>, though you will have to pay \$29.95 to register the program after the trial expires.