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Connecting to a Web Server

I399 Web Development

Install a software package for SSH/SFTP (Secure Shell / Secure File Transfer Protocol)
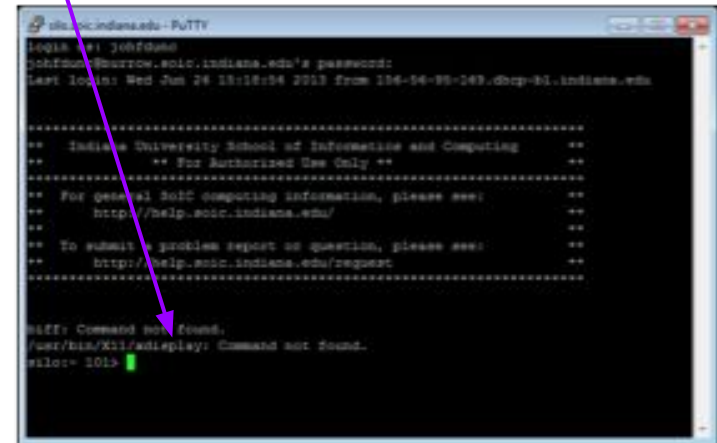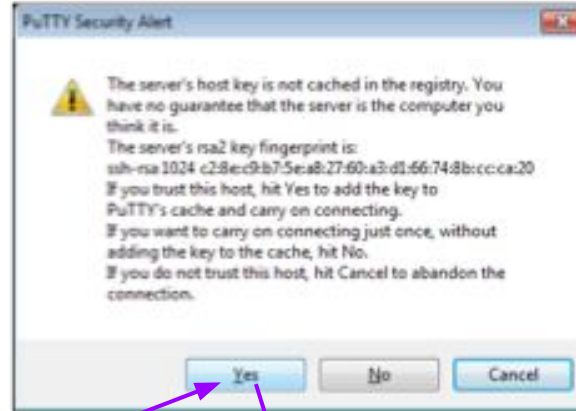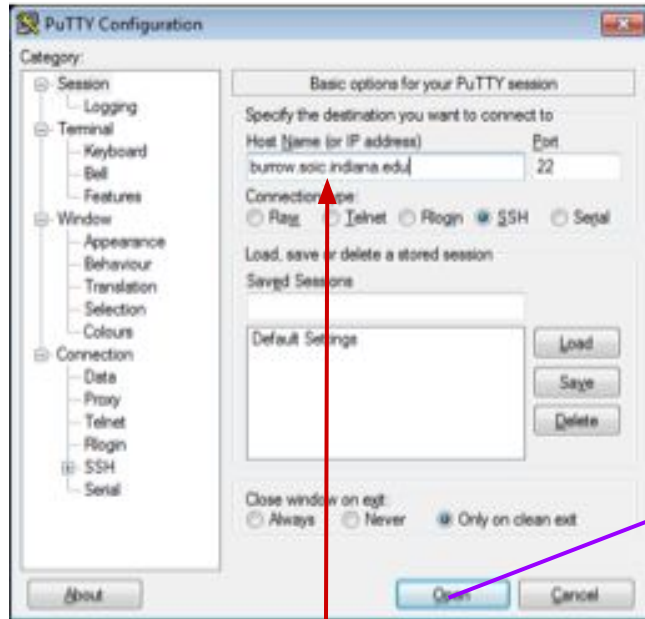
IU supported SSH/SFTP Programs - *these are installed on IU's Student Technology Center machines*:

→ https://kb.iu.edu/d/ahjh

Please make use of either:

- **Cyberduck** (Mac) / **Terminal** (Mac)
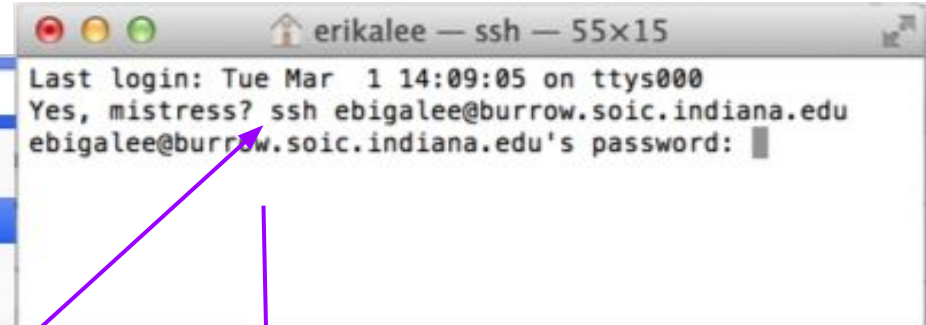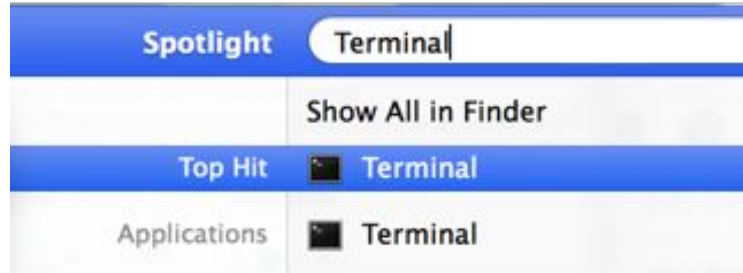 OR
- **WinSCP** (Windows) / **PuTTY** (Windows)

PuTTY for Windows

Use PuTTY to connect to
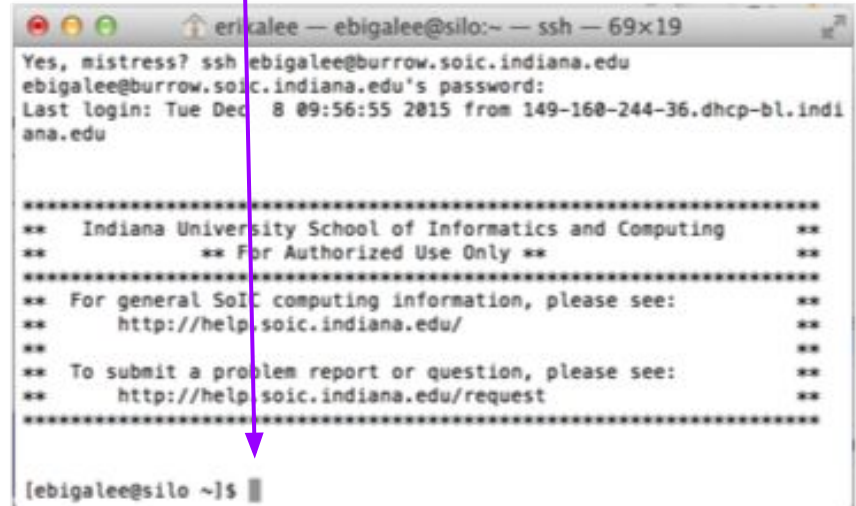**burrow.soic.indiana.edu**

Log in with your IU username!

Terminal for Mac

Use Terminal to **ssh** to
burrow.soic.indiana.edu

Log in with your IU username!

To set up **html-pub** folder

This is the only thing you need to do using PuTTY or Terminal. Once the folder is set up for your web server, you can transfer files using WinSCP or CyberDuck (or your favorite file transfer program).

$ **ls**

This will list your files so you can see what you have already.

$ **make-html**

This will create a folder called html-pub

$ **ls**

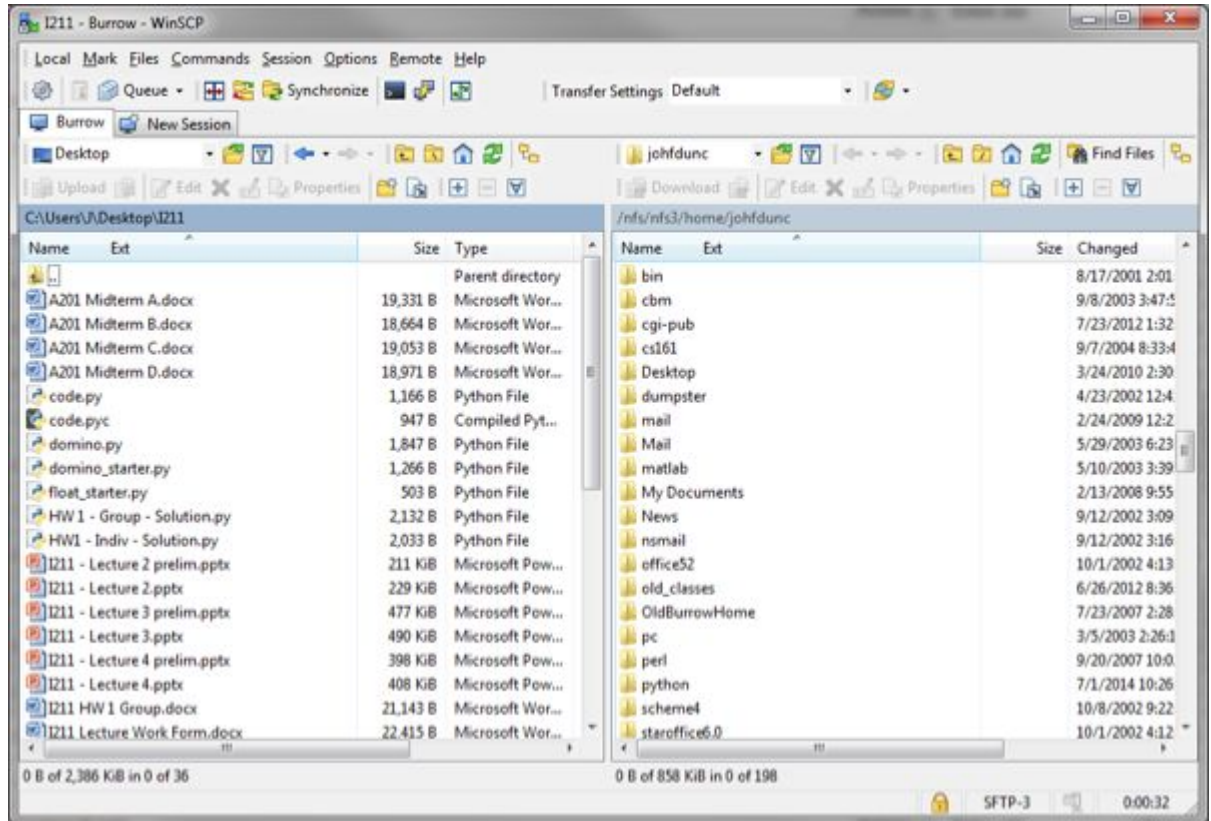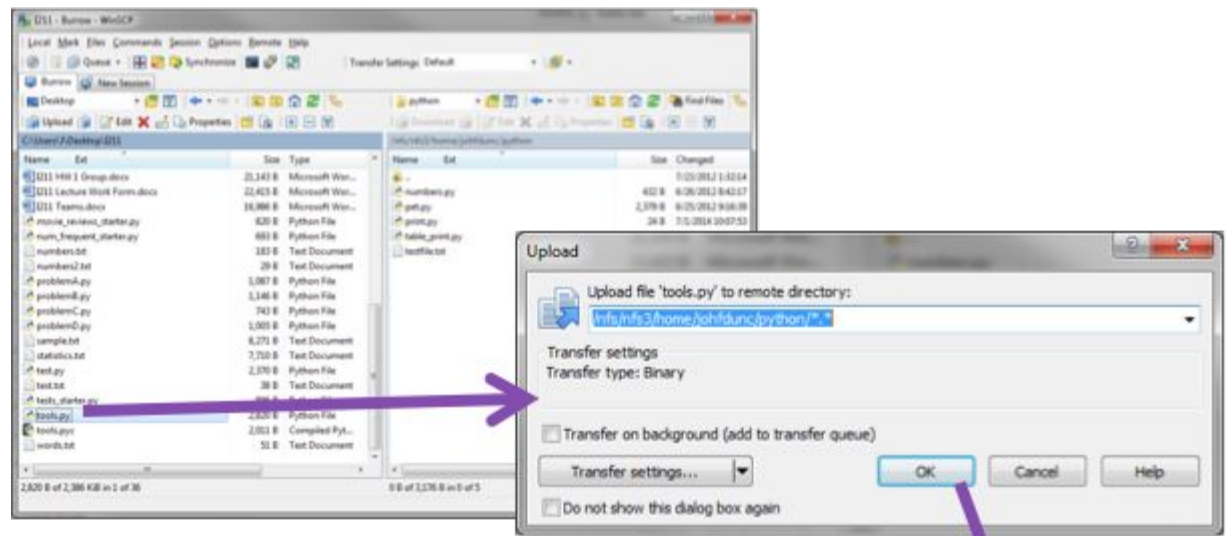*Check to see if html-pub is there. If it is, you can now access with SFTP.*

$ **exit**

Once you close the connection, you can close Terminal or PuTTY

WinSCP for Windows

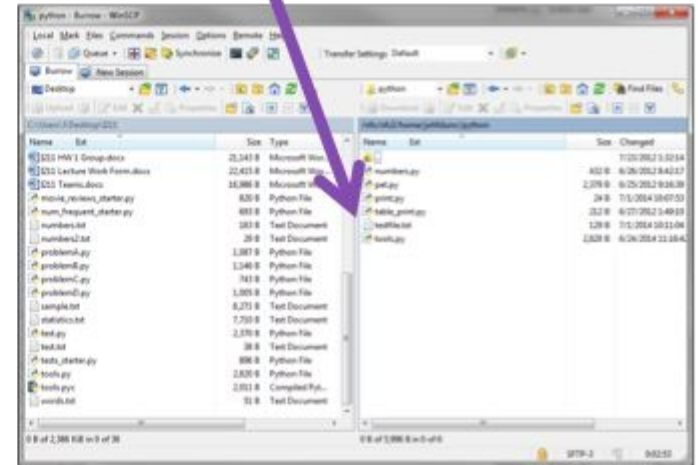Opens two "windows" -- one is YOUR computer and the other is the WEB SERVER.

Files may be dragged between the windows or "uploaded" or "downloaded" between machines.
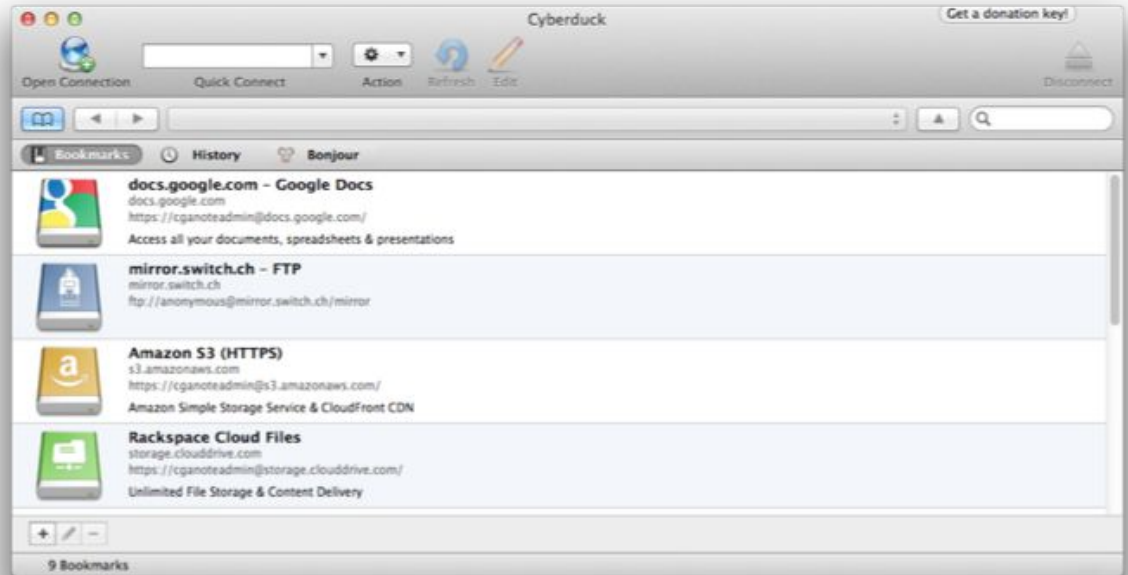
Right click on a file for more options.

- In the left window, use
  UPLOAD.
- In the right window, use
  DOWNLOAD.

Cyberduck for Mac

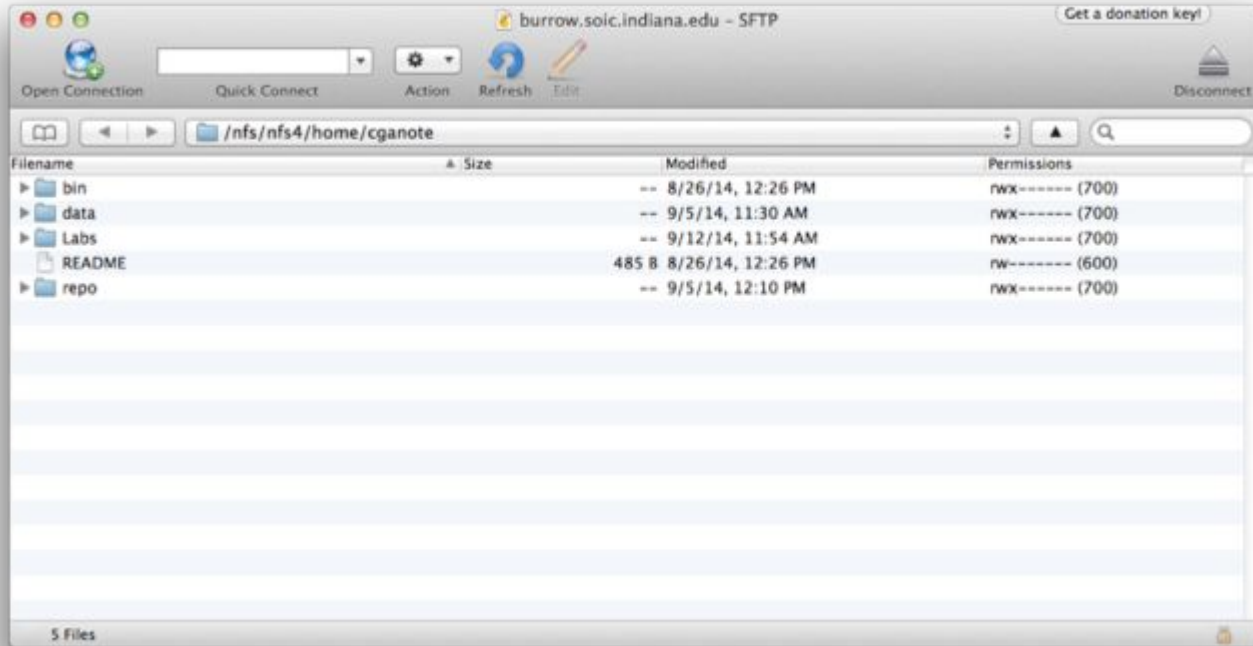Opens one "window" to the WEB SERVER. Use your Desktop and File Manager for local files.

Files may be dragged into the Cyberduck window, or "uploaded" or "downloaded" easily with the COMMAND-T File Transfer Window.

- Click "Open Connection" and then put in this information
- If you have non-IU hosting, please get this info from your provider

- Drag files from your Mac to Cyberduck to transfer
- Hint: Always double-click and fully open the folder you want to put files in

View your website in a browser:

HTML-pub folder

http://homes.soic.indiana.edu/~*username*/index.html

http://html.soic.indiana.edu/~*username*/index.html   ← maybe try this one first

CGI-pub folder

http://cgi.soic.indiana.edu/~*username*/index.html

IU Pages
http://pages.iu.edu/~*username*/

- NOTE: If your content is in a FOLDER, then add the folder's name to the pathname.
- Example: http://homes.soic.indiana.edu/~ebigalee/final-project/index.html

Top problems:

1. **Image files are "JPG" on server, but written as "jpg" in HTML / CSS code.**
   The server is case sensitive! It doesn't think "PNG" and "png" are the same! If this happens your image will be on the server, but it won't appear. Images also may not appear because the name is misspelled, the pathname is not correct, or it may be corrupt (uncommon). Navigate directly to the image in your browser and see if you can see it.. That will help you to debug.

2. **403 Permission Denied error**
   This means the file is there but you don't have permission to see it. Adjust the permissions.

3. **404 Not Found error**
   This means that the file does not exist. Or, it may exist, but your link / URL is incorrect. Check spelling in your code and that your page or link has the correct pathname for your file and try again.

NO IU ACCOUNT?

WANT A CUSTOM URL?

WANT TO KEEP YOUR SITE AFTER GRADUATION?

Try Reclaim Hosting

https://reclaimhosting.com/

Products > Shared Hosting > Personal

$30 / year

- No advertising
- Reliable customer service
- Includes fee for domain name registration
- GUI administration panel