

Connecting to a Web Server

1399 Web Development

Install a software package for SSH/SFTP (Secure Shell / Secure File Transfer Protocol)

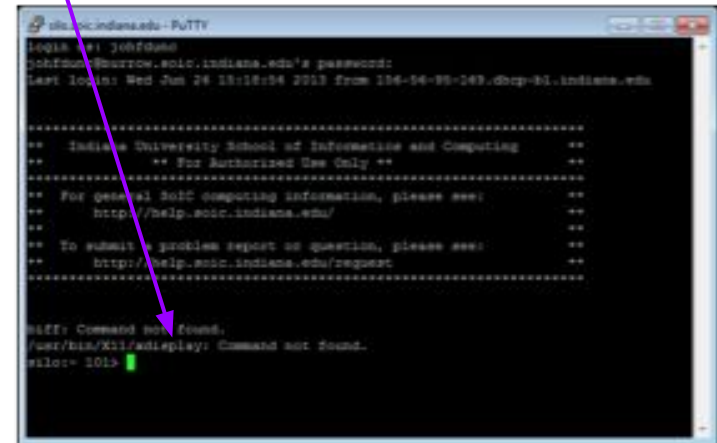
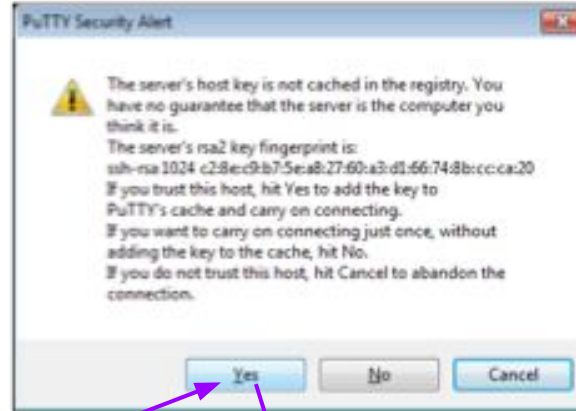
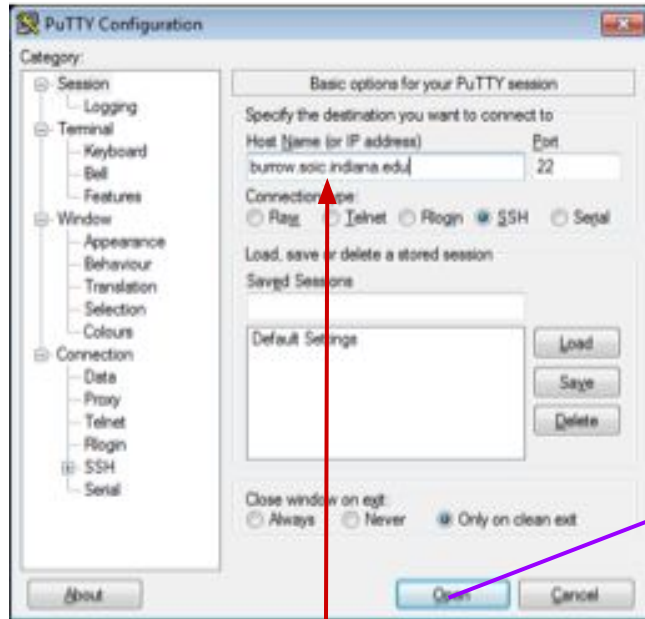
IU supported SSH/SFTP Programs - *these are installed on IU's Student Technology Center machines:*

→ <https://kb.iu.edu/d/ahjh>

Please make use of either:

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

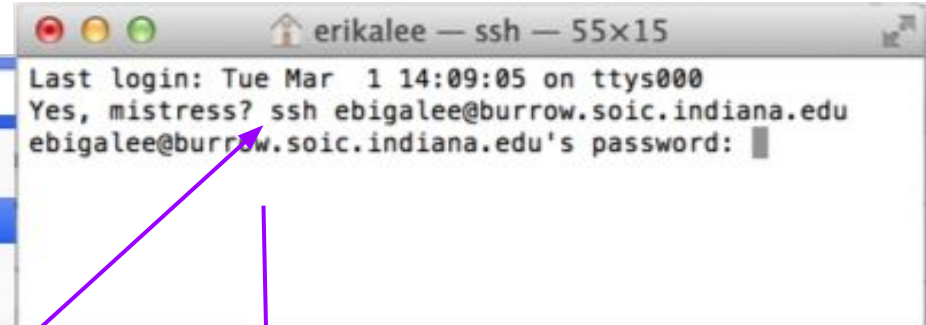
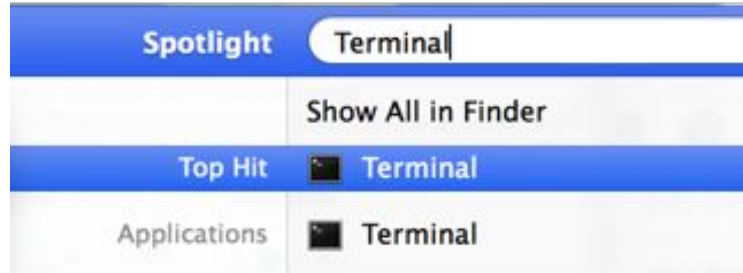
PuTTY for Windows



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

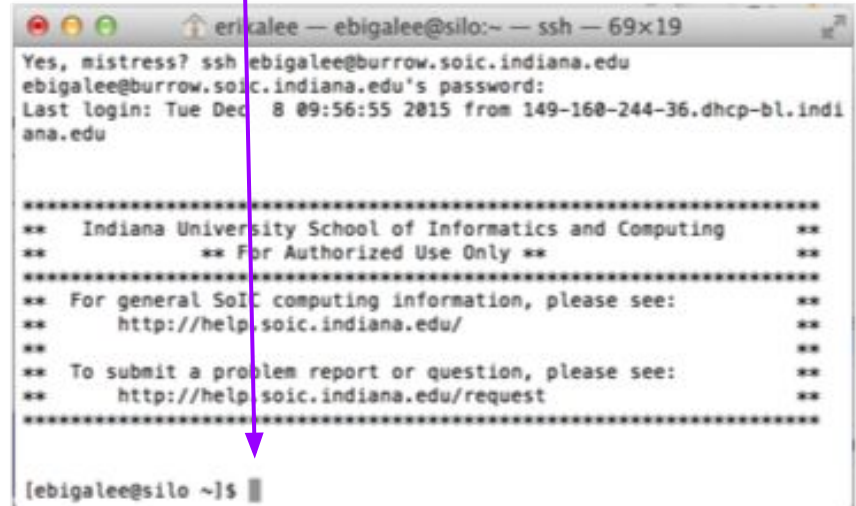
Log in with your IU username!

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.

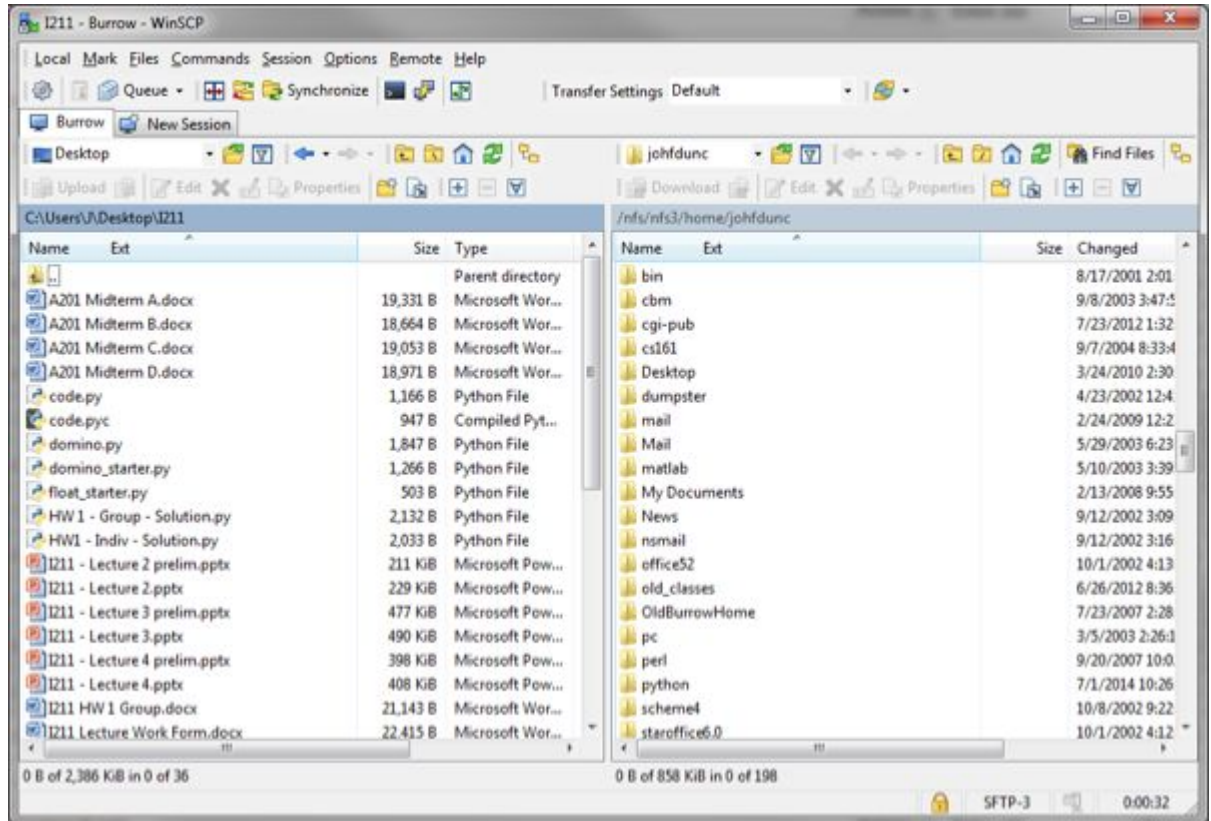
\$ **exit**

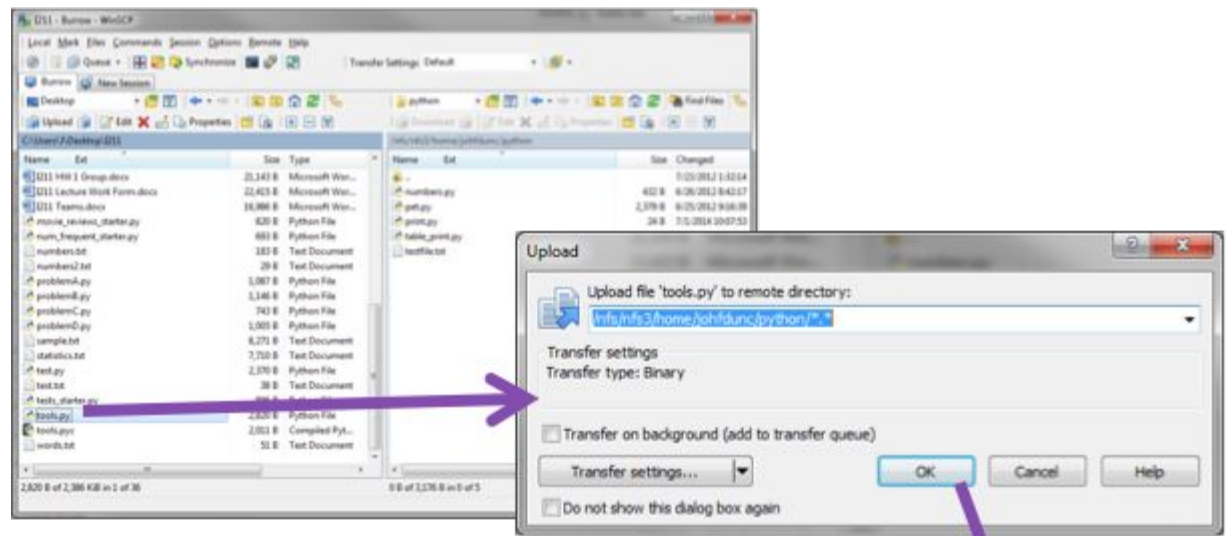
Once you close the connection, you can close Terminal or PuTTY

WinSCP for Windows

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

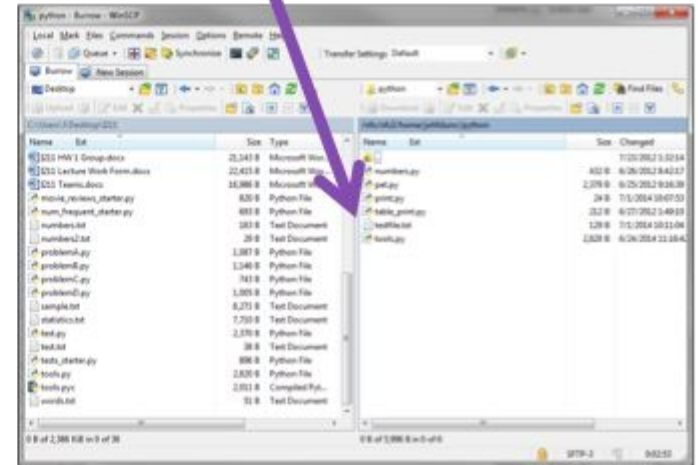
Files may be dragged
between the windows or
“uploaded” or
“downloaded” between
machines.





Right click on a file for more options.

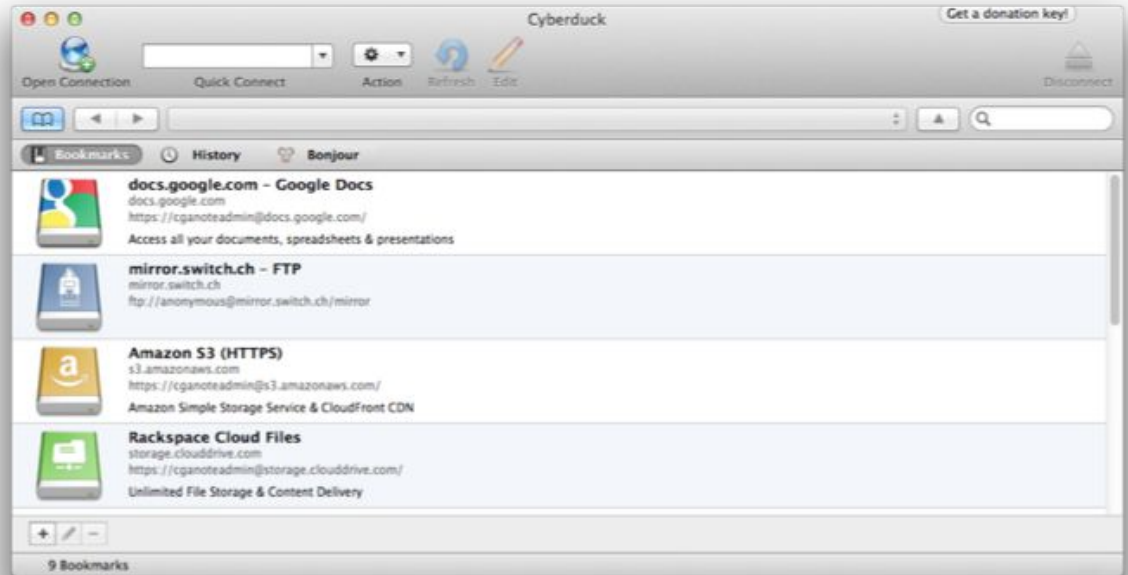
- In the left window, use **UPLOAD**.
- In the right window, use **DOWNLOAD**.



Cyberduck for Mac

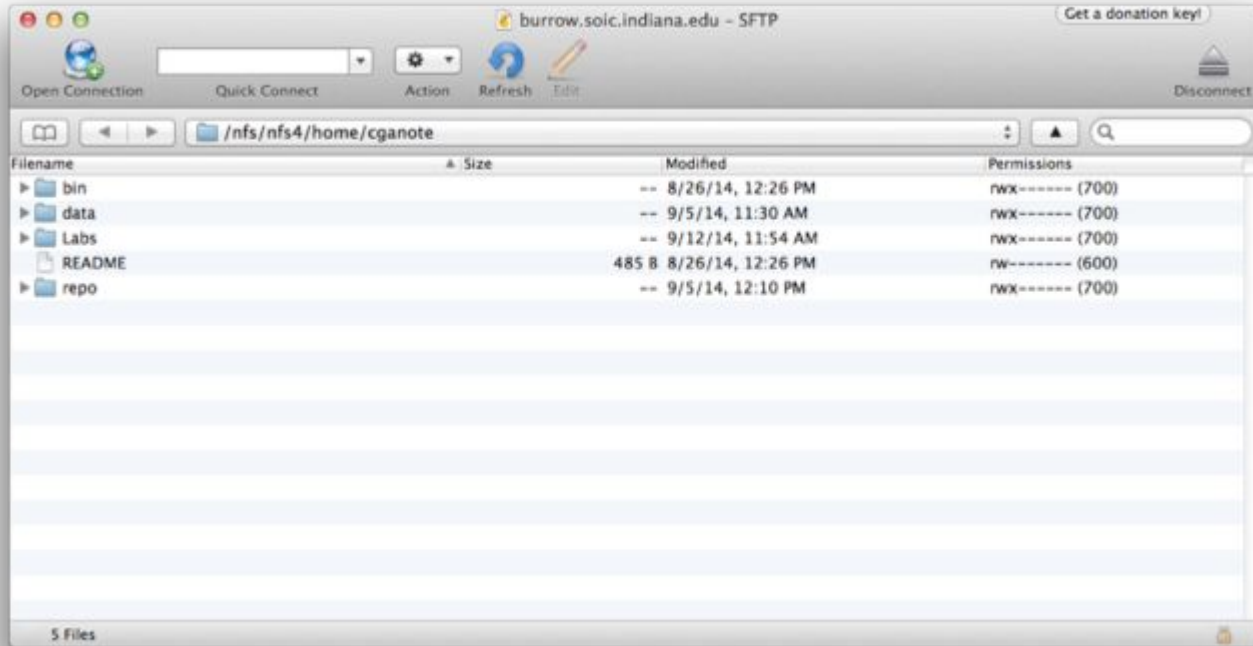
Opens one “window” to the WEB SERVER. Use your Desktop and File Manager for local files.

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



The image shows a screenshot of the Reclaim Hosting website. At the top, there's a navigation bar with links: Products, About Us, Community Forums, Blog, Contact Us, and a search icon. Below the navigation bar is a large banner with the headline "Take Control of your Digital Identity". The banner text states: "Reclaim Hosting provides educators and institutions with an easy way to offer their students domains and web hosting that they own and control." To the left of the text is a large speaker icon. To the right is a Reclaim Hosting logo. Below the banner is a section titled "SHARED HOSTING" with a sub-headline: "Reasonably priced student and faculty hosting plans with a free domain registration included. A lot of power packed in an affordable package whether you're just getting started or you're a seasoned veteran of the web." Below this are three product cards: "PERSONAL" (2GB STORAGE), "PROFESSIONAL" (10GB STORAGE), and "THE WORKS" (100GB STORAGE). Each card has a corresponding icon and a description of the target audience and features.

Products About Us Community Forums Blog Contact Us Q

Take Control of your Digital Identity

Reclaim Hosting provides educators and institutions with an easy way to offer their students domains and web hosting that they own and control.

WordPress
OMEGA
KNOWN
DRUPAL
MEDIAWIKI
SCALAX
THE LAST TRAIN TO AWESOME TOWN

RECLAIM RECORDS
RECLAIM RECORDS
RECLAIM RECORDS
RECLAIM RECORDS
RECLAIM RECORDS
RECLAIM RECORDS
RECLAIM RECORDS

Get started today and take control of your digital identity!

Sign Up

SHARED HOSTING

Reasonably priced student and faculty hosting plans with a free domain registration included. A lot of power packed in an affordable package whether you're just getting started or you're a seasoned veteran of the web.



Student/Individual
2GB STORAGE



Faculty/Professional
10GB STORAGE



Organizational
100GB STORAGE

Students & Individuals
For those just starting out with few requirements, get a site up and running quickly with plenty of power to start building and grow.

Faculty & Professionals
Need more space and have big plans? Whether you're a seasoned veteran of the web or just planning for the future this is the plan for you.

Organizations
With plenty of storage and all the top features of our hosting plans, as an organization or even expert user we've got you covered!