There is no Cloud

It's just someone else's computer

Cloud Virtual Machines

- Amazon Web Services (EC2)
- Digital Ocean (Droplets)
- Linode
- Lots of others
- $5 - $10 per month gives you a decent server you can do actual work on

Amazon Web Services

- Amazon Educate program
- Compute Credits for students and classes
- https://aws.amazon.com/education/awseducate/
  - Create your own AWS account (you'll have to have a credit card to sign up)
  - Add AWS Educate credits $100/year

Class Web Servers

- **You** get a web server, and **you** get a web server…
- Everyone gets their own web server
- Built on AWS using OpsWorks and Chef for some automation
- Simple portal page to manage your server

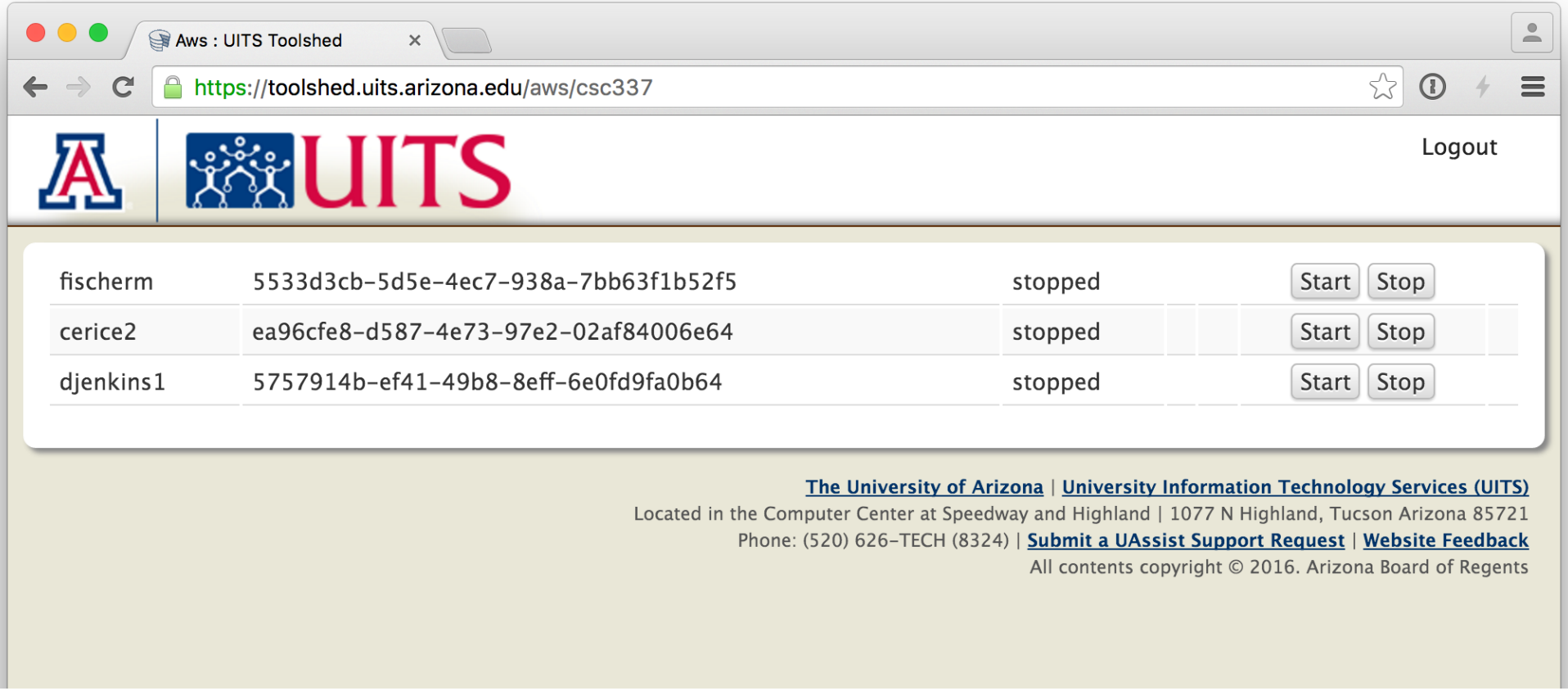
Management Site

https://toolshed.uits.arizona.edu/aws/csc337

- Start & Stop your server
- See your server's IP address
- Change your login password
- Your username is your UA NetID

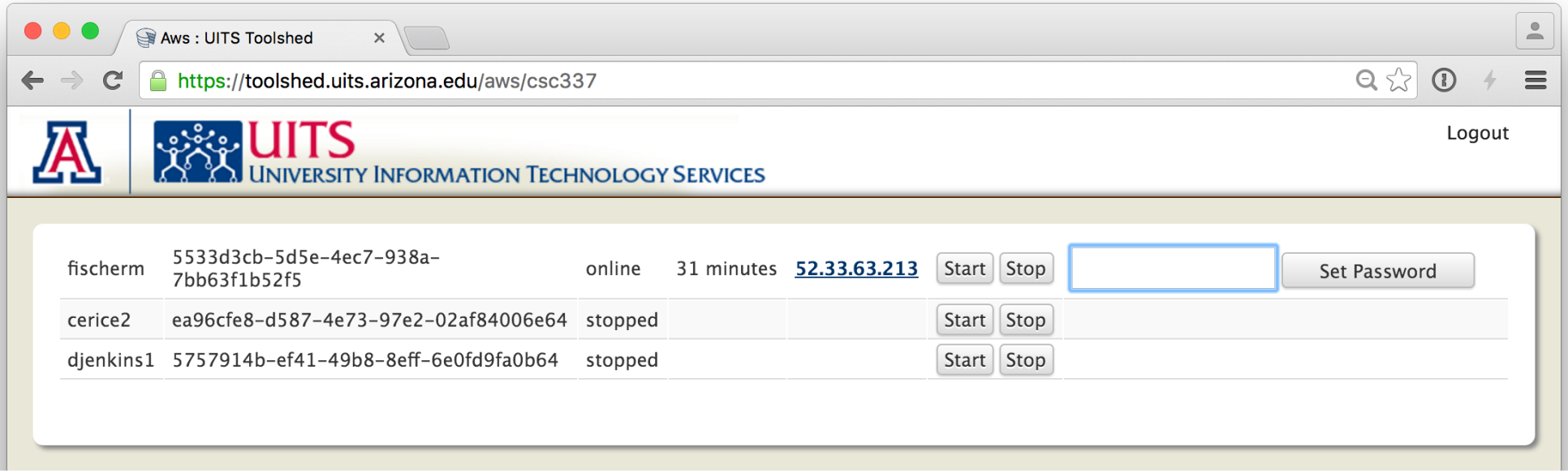
Management Site

https://toolshed.uits.arizona.edu/aws/csc337



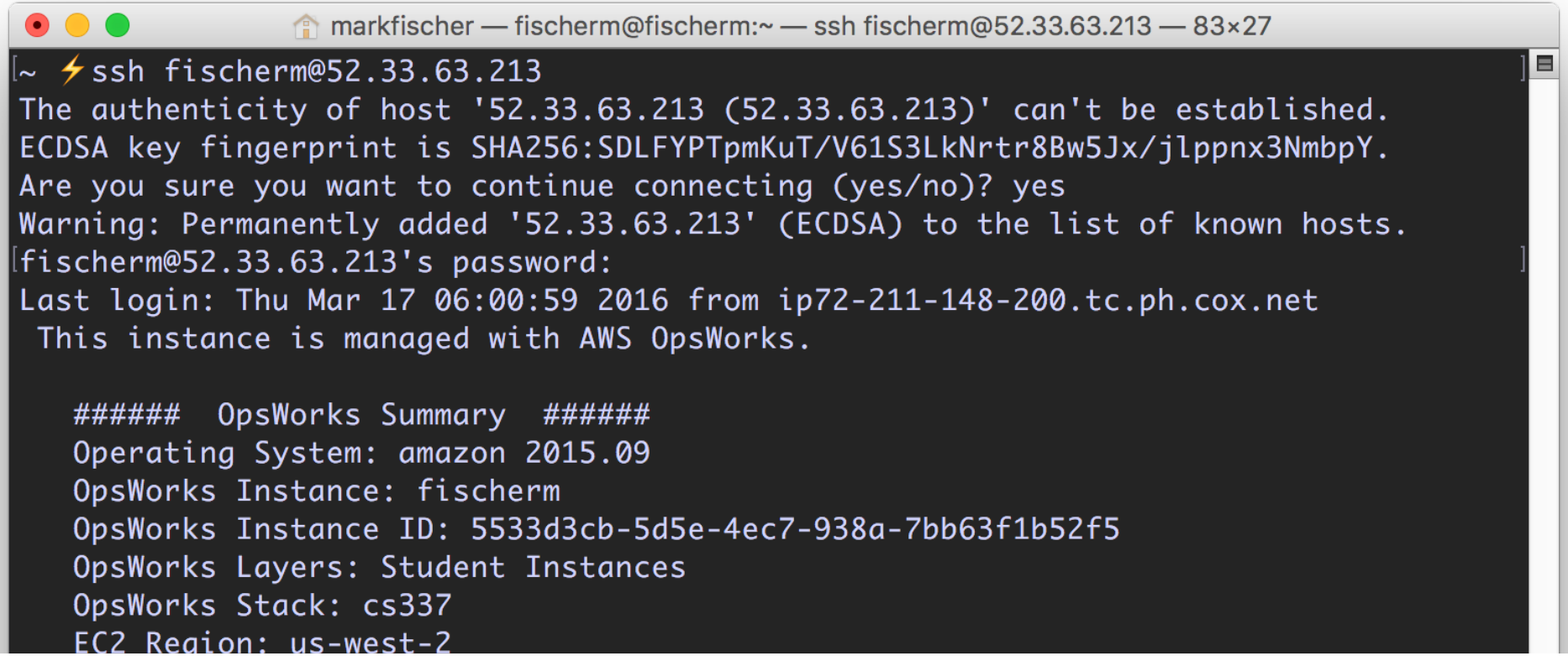
Management Site

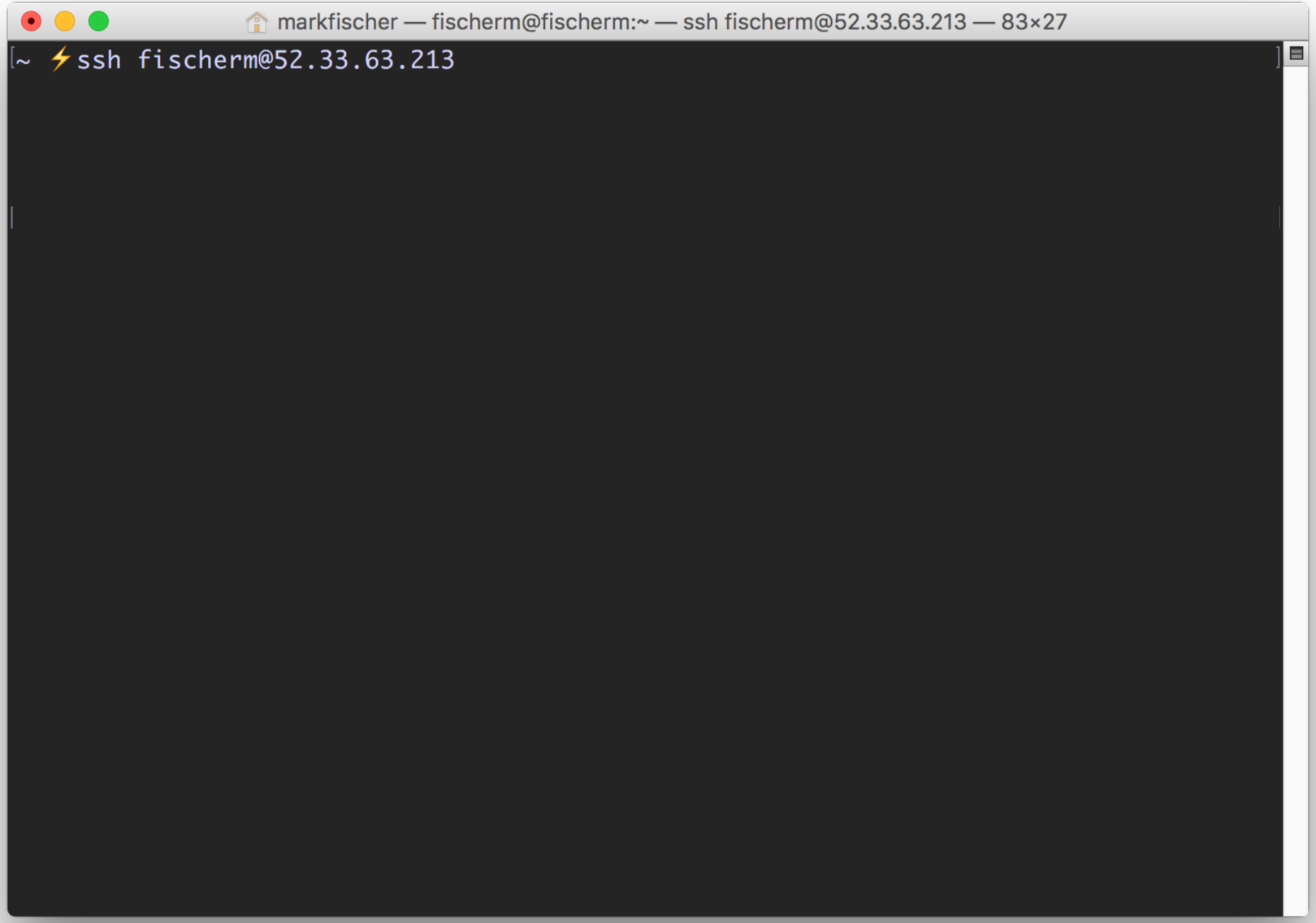
- Once your server is 'online' you can set your password
- Only have to set your password once
- Log in to your server using SSH
- Stop your server when you're not working on it



Connecting • Mac

- Terminal
- Applications/Utilities/Terminal.app



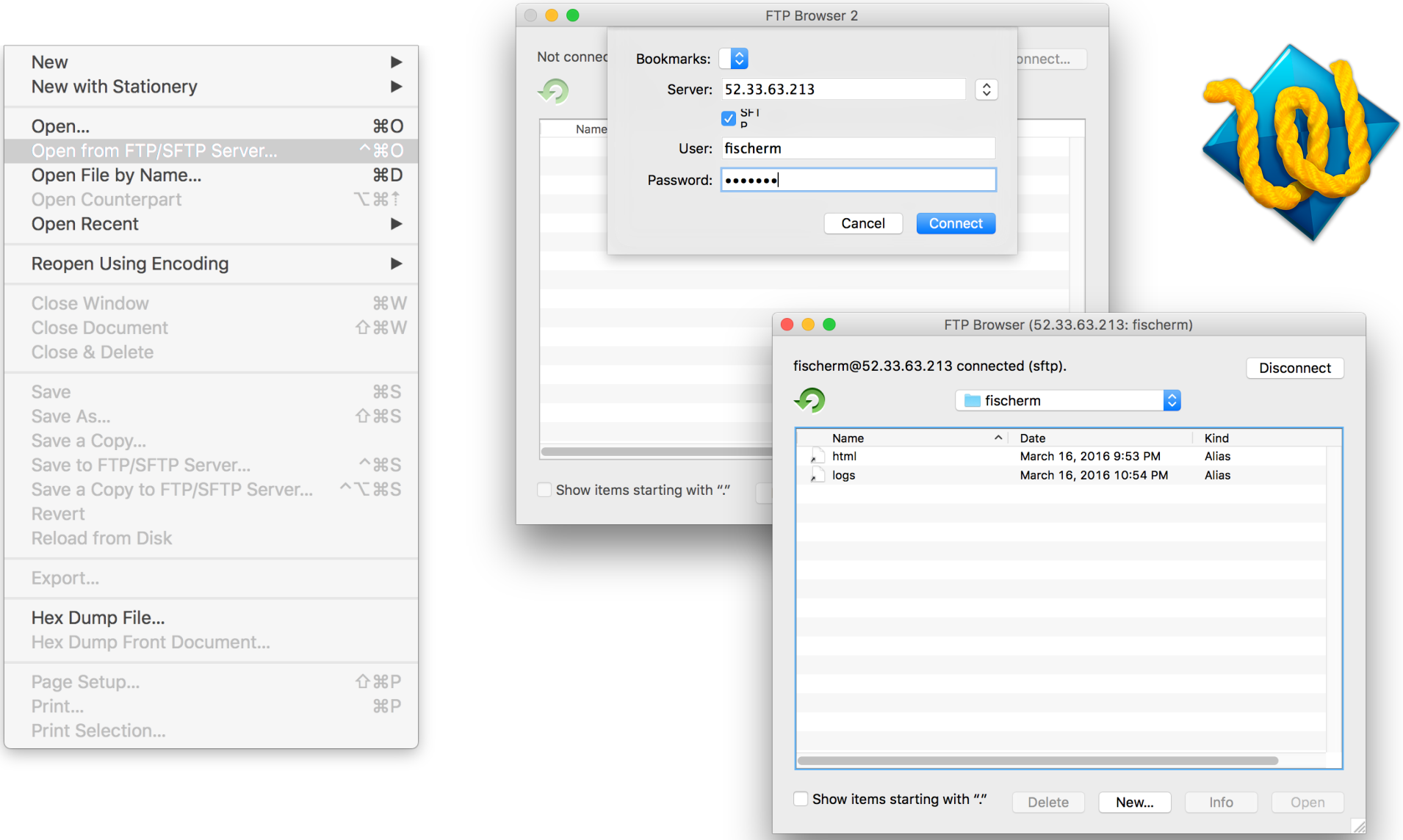

markfischer — fischerm@fischerm:~ — ssh fischerm@52.33.63.213 — 83×27
~ ⚡ssh fischerm@52.33.63.213

Connecting • Mac

- Remotely Editing Text
- Many Many options
  - Feel free to use whatever you want
- TextWrangler is the one I can help you with

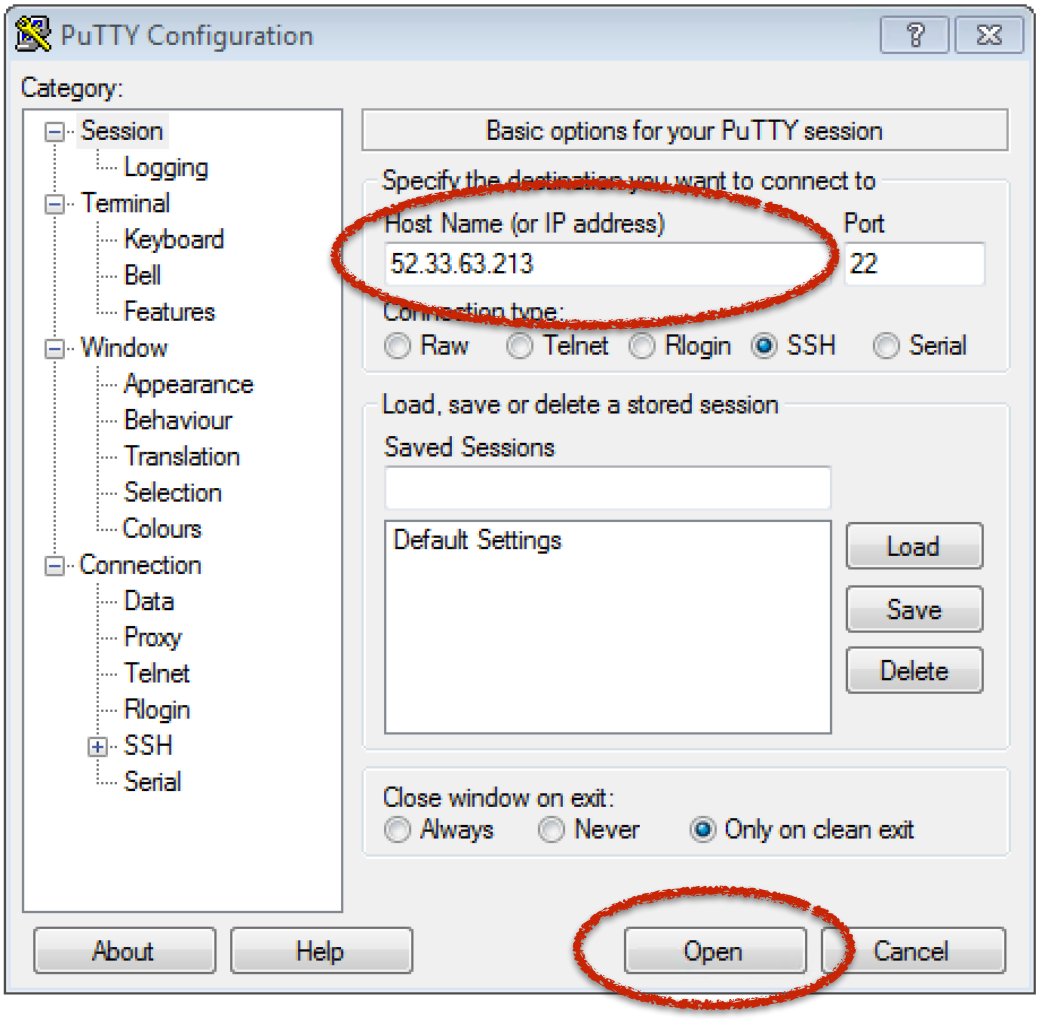
`http://www.barebones.com/products/textwrangler/`

Connecting • Mac



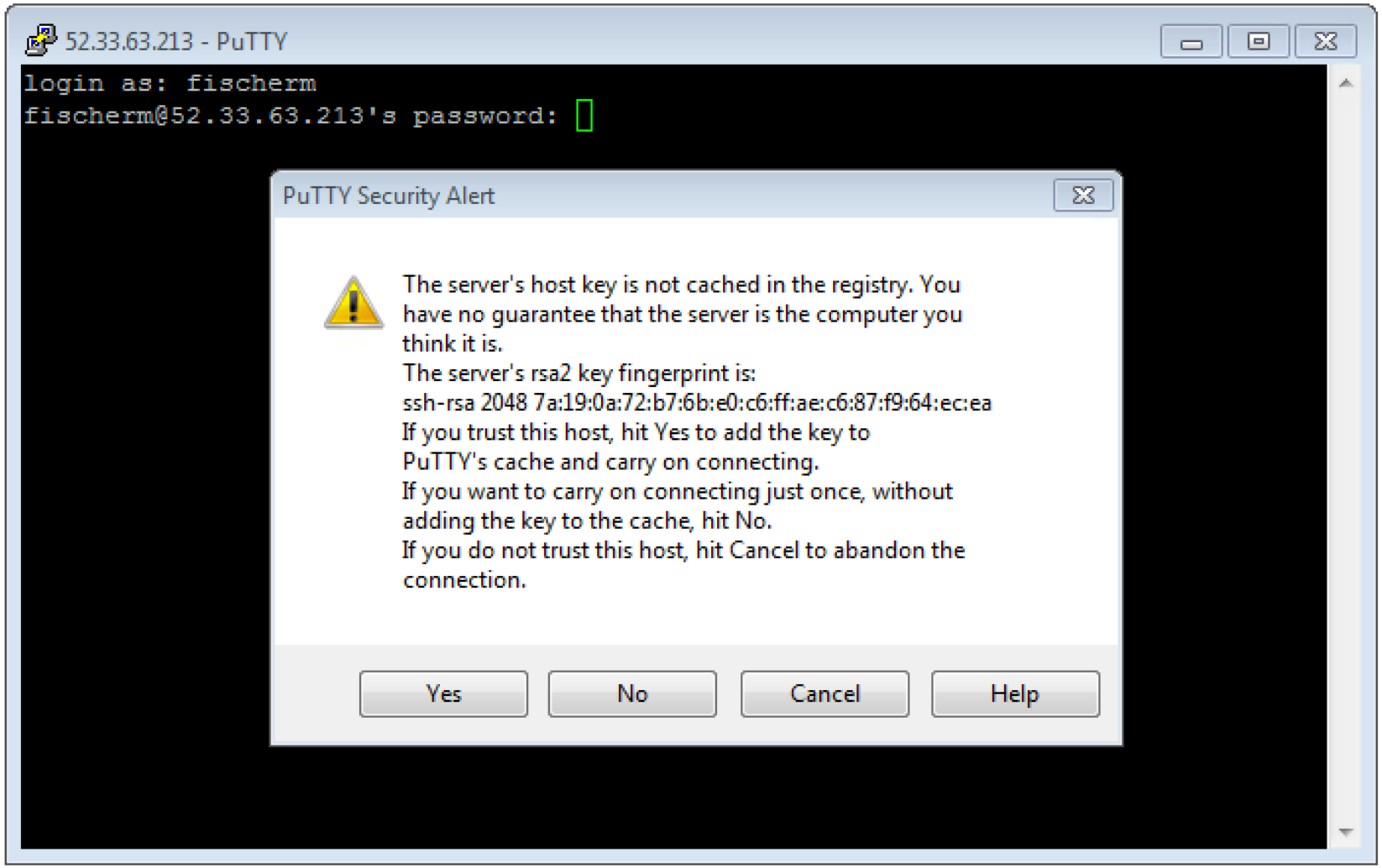
Connecting • Windows

- Putty

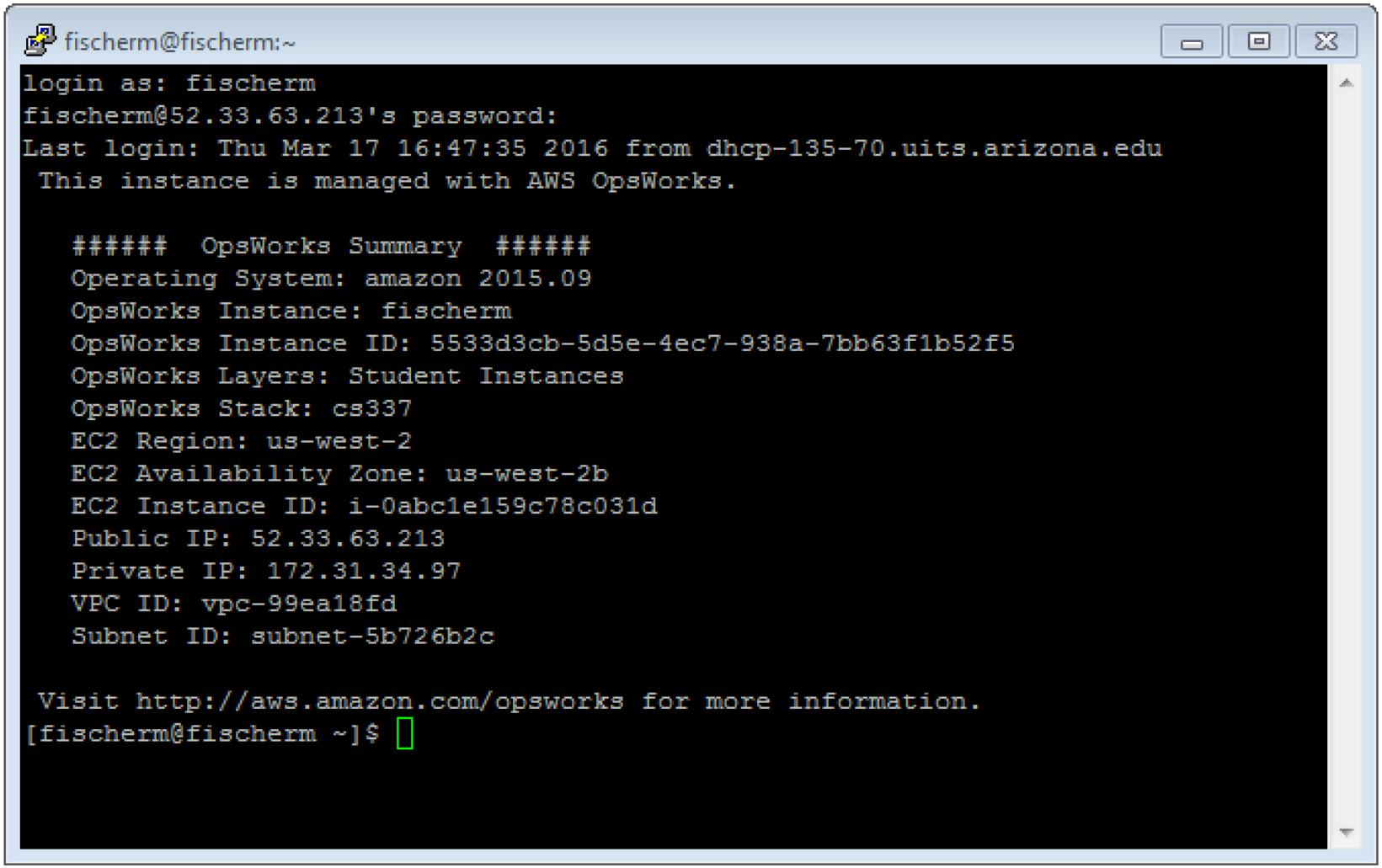


http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html

Connecting • Windows



Connecting • Windows

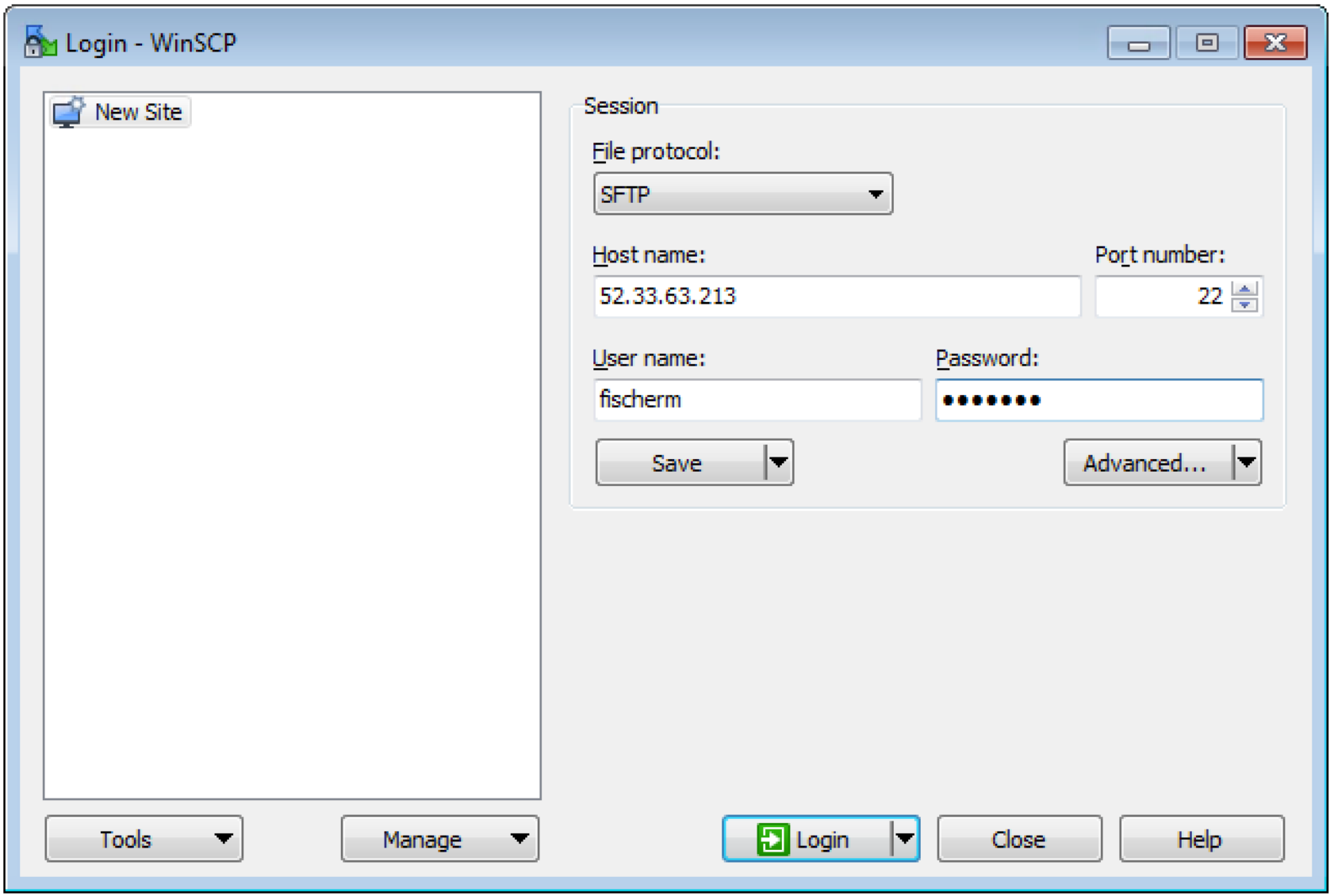


Connecting • Windows

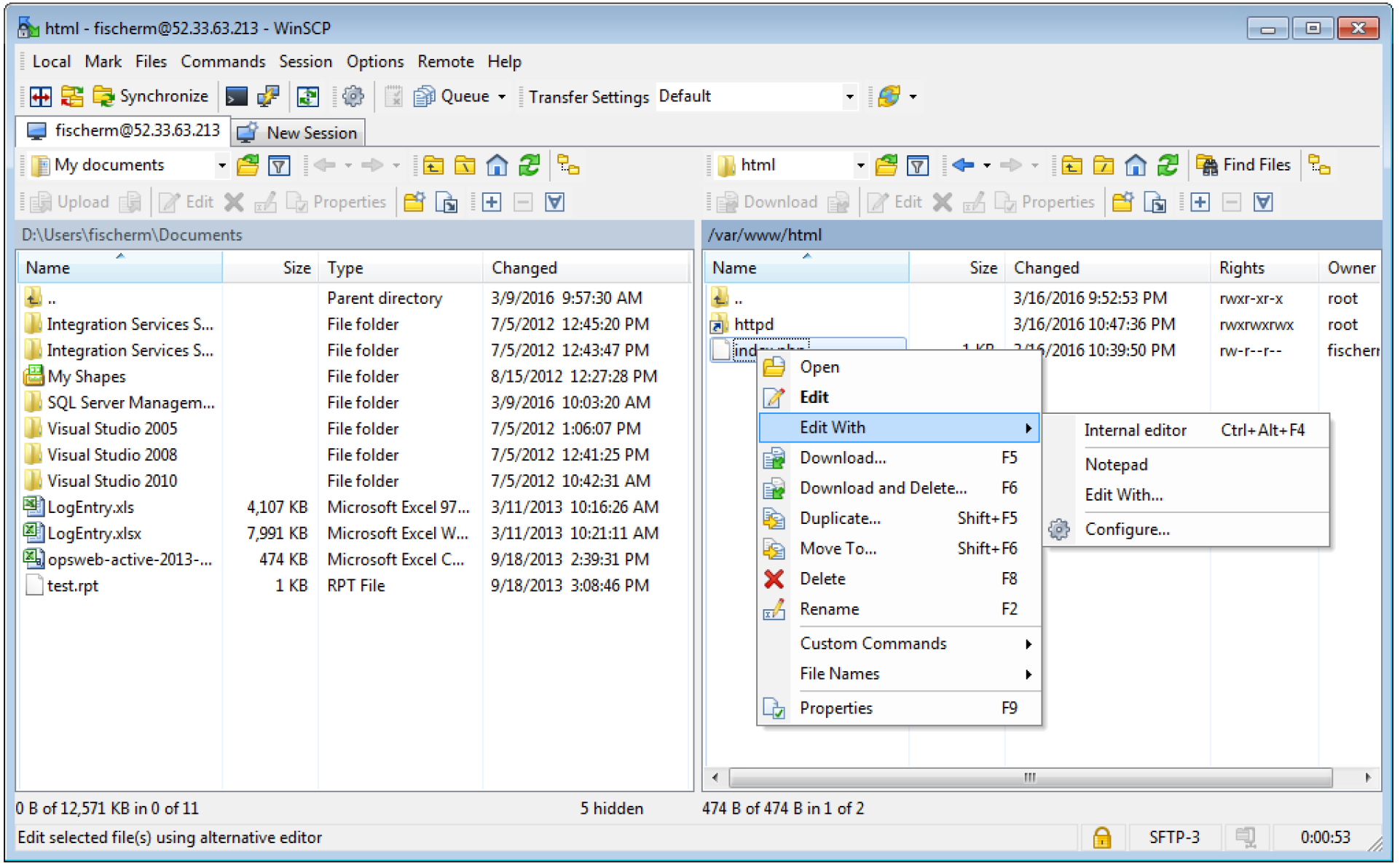
- Remotely Editing Text
- Many Many ways to do this
  - Use whatever you can figure out
- WinSCP is the one I can help you with

https://winscp.net/eng/download.php

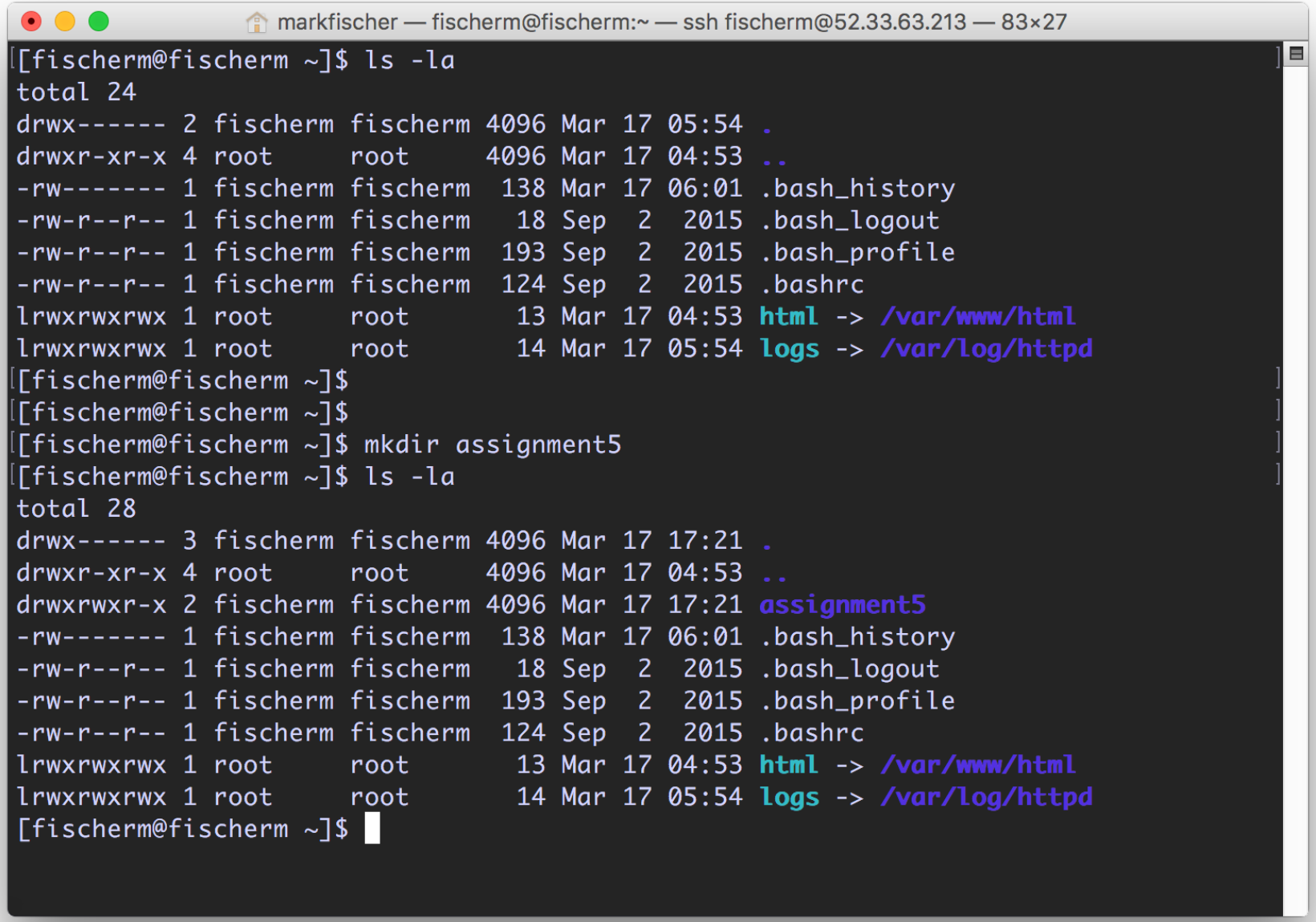
Connecting • Windows

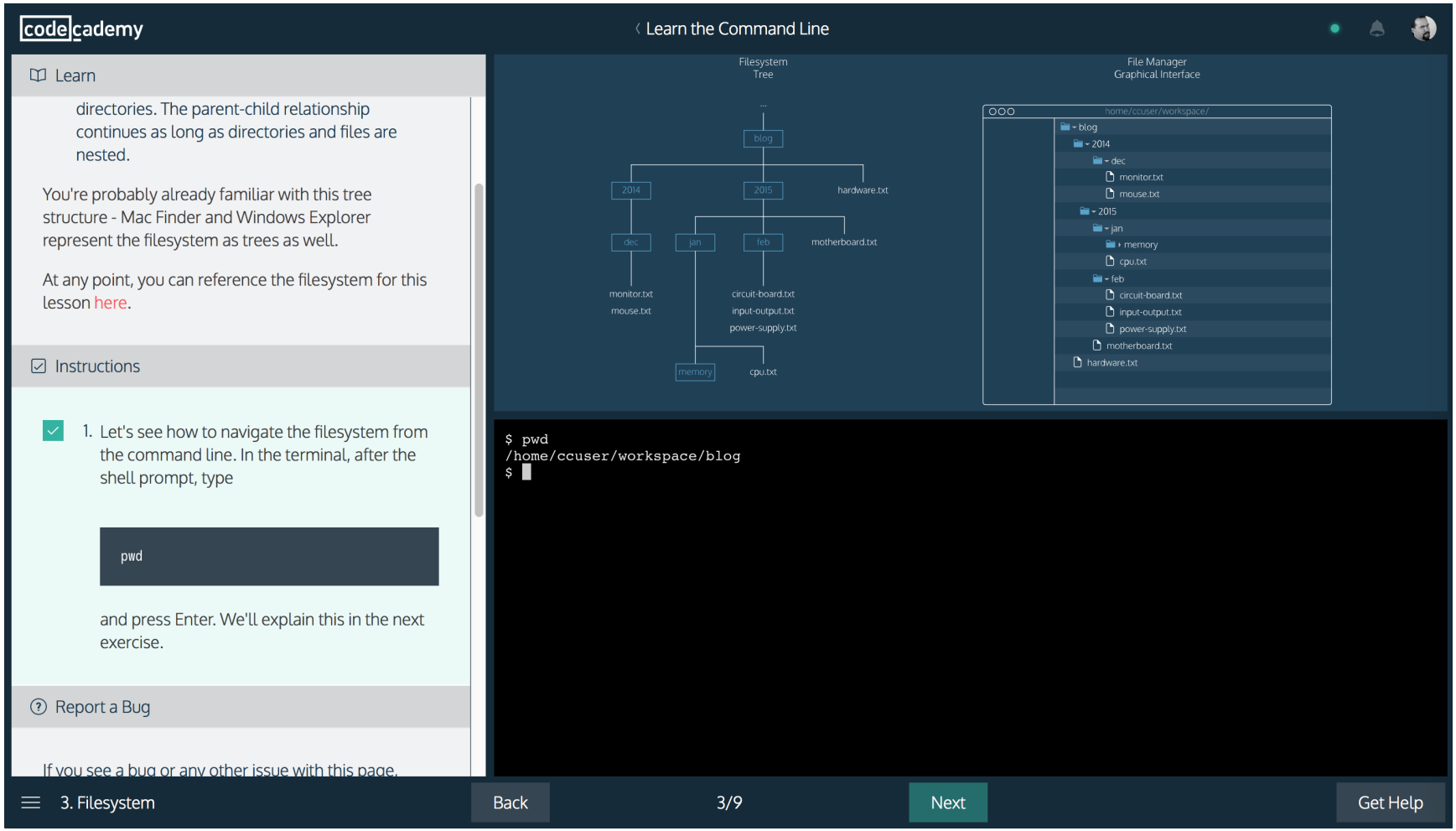


Connecting • Windows



Make Some Directories



Command Line Basics

https://www.codecademy.com/learn/learn-the-command-line