#### 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
- <a href="https://aws.amazon.com/education/awseducate/">https://aws.amazon.com/education/awseducate/</a>
  - 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

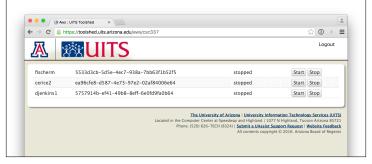
# Management Site

#### 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



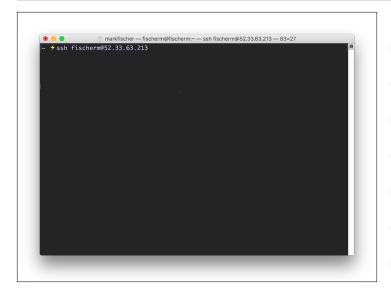
## Management Site

- 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



# Connecting • Mac

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

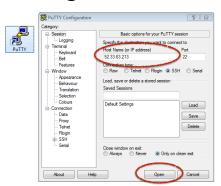


http://www.barebones.com/products/textwrangler/



# Connecting • Windows

• Putty



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

## Connecting • Windows



# Connecting • Windows

```
### fischerm@fischerms-
login as: fischerm
login as: fischerm
fischerm852.33.63,213's password:
last login: Thu Mar 17 16:47:35 2016 from dhep-135-70.uits.arizona.edu
This instance is managed with AMS Op#Grks.

##### Operating System: amazon 2015.09
Op#Gorks Instance: fischerm
Op#Gorks Instance: fischerm
Op#Gorks Layers: Student Instances
Op#Gorks Layers: Student Instances
Op#Gorks Stack: cas37
ECZ Region: us-west-2
ECZ Availability Zone: us-west-2b
ECZ Instance ID: -Oabcle159c78c031d
Public IP: $2.33.63.213
Private IP: 172.31.34.97
VPC ID: vpc-99eal8fd
Student ID: subnet-50726b2c

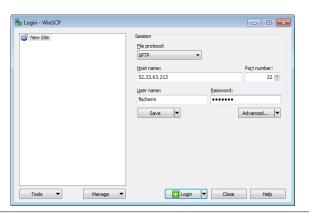
Visit http://aws.amazon.com/opsworks for more information.
(fischerm8fischerm -]$ []
```

## 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

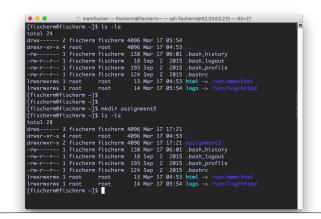
## Connecting • Windows



# Connecting • Windows



#### Make Some Directories



# Command Line Basics

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

