AWS for sharing EC2 instance with other people

* Make a key pair and make sure each user you want to share the server with has it
* Send it over slack or other encrypted service
* chmod 400 key.pem
* Make an elastic address so the IP address of the server never changes
  + Make elastic IP
  + Allocate new address
  + Assign it to the EC2 instance you want
* Got to atom ~/.ssh/config and update the host/identity profile (update the IP address and also identity file)

Editing an EC2 Instance

* Make link from home directory to another directory
  + ln –s /directoryname linkname
  + ln –s /directoryname directory linkname
    - puts the link in the directory you want
* add volume on console and attach to EC2 instance and it has to be in the same availability zone
* format the volume
  + mkfs –t ext4/dev/xvdf
* list all block devices
  + lsblk
* make directory to mount new volumes
  + mkdir /mnt/dirname
* mount the volume to the directory you want it to be in
  + mount /dev/volname /mnt/dirname
* edit fs tab so the mount stays
  + /etc/fstab
  + look at the line above to make sure it’s the same and everything is in place
* good idea to move files to the large volume or S3 bucket to keep memory free
  + in this example good idea to move everything to /mnt/

S3 bucket notes

* Sharing a bucket with other people
  + Look at bucket share profile settings notes
* Looking at files in s3 buckets if you have permission
  + aws s3 ls s3://capstone-timesheet-data –-recursive
* deleting a folder
  + aws s3 rm s3://capstone-timesheet-data/data/timesheet\_log/

To follow files and a script being run

* make logs directory
  + python request\_new\_customfield\_items.py 1>../logs/customfield\_items.log 2>>../logs/customfield\_items.log
  + 1> means all terminal scripts are put into that document
  + 2>> 2 means standard errors and the >> means its all being appended
  + > means overwrite
  + >> means append
* get into the log directory
  + tail –f \* or tail –f <filename>
  + to look at last 10 lines
  + to look at top ten lines use head

TMUX notes

To view all sessions

* tmux ls

to create a new named session, so it has a descriptive name and it’s easy to distinguish form others

* tmux new -s <session name>

to attach to the specific session

* tmux a -t <session name

bucket share profile

{

"Version": "2012-10-17",

"Id": "Policy1521753196157",

"Statement": [

{

"Sid": "Stmt1521753194321",

"Effect": "Allow",

"Principal": {

"AWS": [

"arn:aws:iam::<account id>:user/<user>",

"arn:aws:iam::<account id>:user/<user>"

]

},

"Action": [

"s3:ListBucket",

"s3:GetBucketLocation"

],

"Resource": "arn:aws:s3:::<bucket name>"

},

{

"Sid": "Stmt1521753194321a",

"Effect": "Allow",

"Principal": {

"AWS": [

"arn:aws:iam::<account id>:user/<user>",

"arn:aws:iam::<account id>:user/<user>"

]

},

"Action": [

"s3:PutObject",

"s3:GetObject",

"s3:DeleteObject"

],

"Resource": "arn:aws:s3:::<bucket name>/\*"

}

]

}