



Amazon Web Services: How to Connect to Your Test Cluster

Storm Knight
Systems Programmer
National Center for Atmospheric Research

Amazon

- Provisioning computers on the fly
This is Jon Roberts – He will be launching your instances as needed.
- We are set to provide 5 machines/user in a pre-configured state
- These instances are the micro instances.
 - Useful for training
 - On a shared machine, single core.

Image is transient

- Once your image is turned off, all the work is gone.
- Send your history to yourself:
- history | mailx username@somewhere.edu
 - Might go to spam.
Rate limiter is in effect.

Multiple Starting Points

- When you get lost, contact Jon, and skip to current step.
This will kill your current cluster
- The exercises are designed to work without needing to skip.
 - Ben's MPI Lecture is a stand alone image.
 - Will be terminated before Build a Cluster.

WHAT IS MY IP???

- Current IP address for head node for Each Student
 - Know your Number (student99)
 - IP address subject to change on launch.
 - **<http://tinyurl.com/jlsmht7>**
 - Your credentials can be reached from the sticker on your handout
 - They likely need `chmod 400 student99.pem` to satisfy ssh warning

```
• @ @
WARNING: UNPROTECTED PRIVATE KEY FILE! @
• Permissions 0644 for 'student99.pem' are too open.
• It is recommended that your private key files are NOT accessible by others.
• This private key will be ignored. bad permissions: ignore key: student99.pem
```

Connect to your Session!

Download PEM or PPK Key (Handout Sticker)

NOTE: Putty won't work with PEM

SSH won't work with PPK

`ssh ec2-user@12.34.56.78 -i student99.pem #not y`

