Unit 2: Welcome to your home

Installing python
(doing something non-trivial on the CLI)

Lesson 16

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Overview of unit

Objectives:
- Fundamentals of working in UNIX
- Fundamentals of working in the cloud

1. Why UNIX?
2. Why AWS and the Cloud?
3. Setting up a UNIX VM
4. SSH
5. Key-based Auth
6. Basic UNIX commands & admin

7. Installing python
8. Intermediate UNIX tools
9. Working remote
10. Text editors
11. Advanced customization
12. HW 2

Lesson overview

Objectives

- Get python installed on your EC2
- See how non-trivial things are done on the CLI

Outline

- Steps
- Let's do it!

Installation steps

- ssh into our machine *("Personal" account)*

- Download miniconda install file *copy link address in computer: mkdir downloads → cd*

- Run miniconda installer *curl -O link address*
  ls
  chmod u+x miniconda...
  ./miniconda...

- Confirm changes to our config files

- Refresh our config files *cd home/user*
  source .bashrc

- Confirm we have the right python executable on our PATH *which python*
  which python3

- Launch python interpreter

space bar (or return?) for more cmd

Getting help

- The CLI can be confusing!!

- Remember your "safety" commands:
  - Ctrl-C to kill whatever you're running
  - "cd<enter>" puts you back in your home directory

- Google exactly the error you're getting

- Take a break before you get too frustrated

- Post to MyCourses!

Lesson wrap-up

Takeaways

- Python is now installed
- You're all set to get things done on your EC2

Up next

- Intermediate UNIX tools