

# **Unit 2: Welcome to your home**

## **UNIX Command Line**

Lesson 15

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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

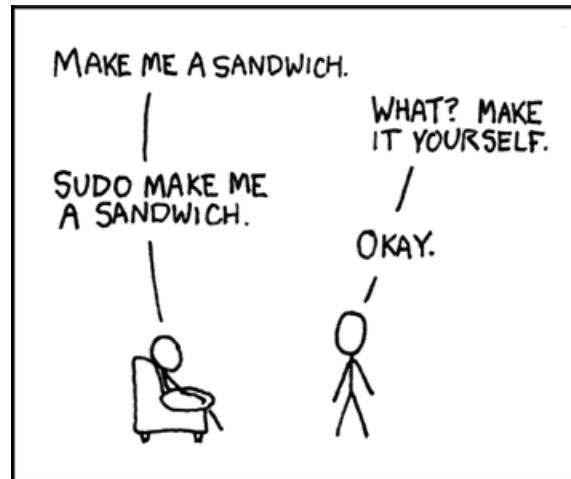
- Learn the basics of UNIX commands
- Learn fundamental UNIX commands for working with files

## Outline

- How does ssh work?
- How does public-private cryptography work?
- Setting up your ssh client to access your EC2 instance

# Admin

- sudo
- apt-get install



# Navigation commands

- cd

*change dir*

- pwd

*print working dir*

# Basic file operations

- ls
- head
- tail
- more
- less
- touch
- rm
- cat
- mkdir
- rmdir
- wget ← for downloading

*tmux new -s name*

*tmux attach -t name*

*} keeps terminal  
running despite  
lost connection*

## Lesson wrap-up

### Takeaways

- You've tasted the power (and frustration) of the CLI (command line interface)

### Up next

- Installing python