Week 1

Beginning/Intermediate System Administration DeCal

Introduction

- Welcome!

Who are We?

- Three facilitators
    - Calvin
    - Jonathan
    - Joshua
- Office Hours
    - http://www.ocf.berkeley.edu/staff_hours
    - Any staffer can help out
    - Direct the administrative questions to us

What and Why

- System administration
  - Not necessarily how to use a system
  - GUIs, how to get your modem working, etc., not covered in class… but the skill sets are!
  - Black box implementation
- Aspiring sysadmin
- Marketable skills (maybe)
- Manage your own resources

What and Why (cont)

- Further understanding of how stuff works
  - Internet servers
  - Keeping security issues in mind
- Beginning? Intermediate?

Prerequisites

- None!
  - But you may find things a bit easier if you've got some groundwork already
- Beginning/Intermediate
  - Intermediate: More learning, more work

Expectations

- Come to class
  - Don't sleep
- Do the work
  - CS 98/198, 2 units = approx. 6 hours of work (at least!)
  - http://slc.berkeley.edu/ucftr/docs/unit_value.p
- Work with your classmates
- Ask questions
- Seek help from a variety of sources, if needed

Logistics and Policies

- Course Format
  - 1.5 hours *reserved* each week
  - Lecture: 0.5-1 hour
  - Lab: rest of the time
  - Grading
    - P/NP basis, final project 50%, labs 30%, homework 20%

Topics (Beginning)

- History of UNIX, GNU/Linux
- Command line interface (CLI)
- The Internet
- Server Daemons (Web, databases, etc.)
- The LAMP model
- Multi-user environments
- Security

Topics (Intermediate)

- Shells and Terminals
- The Filesystem
- Authorization
- Software Compiling
- Networking
- The Linux kernel
- Server Daemons (Mail)

Homework #1 (All)

- Fill out the Course Survey
  - http://xrl.us/bf6if
- Create an OCF account
  - Lab located next to Heller Lounge, underneath the Pauley Ballroom, in the MLK, Jr. Building (next to the Cal Student Store)
  - http://www.ocf.berkeley.edu

Questions?