Beginning System Administration DeCal

Week 1

September 15, 2008

Introduction

- Welcome!

Who are We?

- Two facilitators
  - Calvin
  - Jonathan
- Office Hours
  - `http://www.ocf/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 skills sets are!
  - Black box implementation; we'll worry about the initial setup.
- Aspiring sysadmin
- Marketable skills (maybe)
- Manage your own resources

What and Why?

- 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.

Expectations

- Come to class
  - Don't sleep
- Do the work
  - CS98/198, 2 units = 6 hours of work (at least!)
  - http://slc.berkeley.edu/ucftr/docs/unit_value.pdf
- Work with your classmates
- Ask questions
- Seek help from everywhere, if needed

Logistics and Policies

- Course Format
  - 2 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

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

Homework #1

- Create an OCF account
  - (Future) lab located in Eshlemann, floor G
  - Accounts still being created, remote services online
  - `http://www.ocf.berkeley.edu`

Questions?