

Beginning System Administration DeCal

Week 1

February 2, 2009

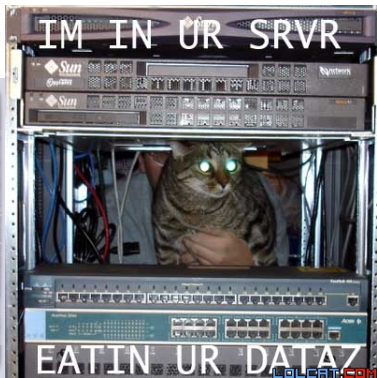
Introduction

- ▶ CS98/198-15: Beginning System Administration DeCal
 - ▶ Sponsored by the Open Computing Facility
 - ▶ Offered since way back when (2001-ish)

Who are We?

- ▶ Two facilitators
 - ▶ Calvin (`cardi+decal@ocf`)
 - ▶ Jonathan (`jchu+decal@ocf`)
- ▶ Office Hours: TBD, also by appointment
 - ▶ `www.ocf/staff_hours`
 - ▶ Any staffer can help out
 - ▶ Direct the administrative questions to us
 - ▶ `irc.ocf.berkeley.edu`, `#ocf`







THE INTERNET

A series of tubes.

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
 - ▶ Security, encryption, and why it matters
 - ▶ Communication on the network
- ▶ Three sections offered this semester:
beginning, intermediate, advanced
 - ▶ Check the DeCal website for more information

Prerequisites

- ▶ None!
 - ▶ But you may find things a bit easier if you've got some groundwork already.
 - ▶ It would help to learn a text editor; the sooner the better. Try `vimtutor`.

Expectations

- ▶ Check the website for the latest updates!
- ▶ Come to class
 - ▶ Don't sleep
- ▶ Do the reading
 - ▶ Material builds on each other
 - ▶ Print out the notes (inst accounts) and mark them up
- ▶ Do the work
 - ▶ CS98/198, 2 units = 6 hours of work (at least!)
 - ▶ http://slc.berkeley.edu/ucftr/docs/unit_value.pdf
 - ▶ Homework/lab policy?

Expectations

Continued

- ▶ Work with your classmates and peers
- ▶ Ask questions in class, through email, in office hours. . .
- ▶ Seek help from all the resources available to you
 - ▶ Peers
 - ▶ Facilitators
 - ▶ Internet

Logistics and Policies

Course Format

- ▶ 2 hours *reserved* each week
- ▶ Lecture: 0.5-1 hour
- ▶ Lab: Rest of the time
- ▶ Homework: assigned weekly (most of the time)
- ▶ Grading
 - ▶ P/NP basis, final project 50%, labs 30%, homework 20%
 - ▶ Submissions policy
 - ▶ **Final project is mandatory!**

Topics

- ▶ History of UNIX, GNU/Linux
- ▶ Command line interface (CLI)
- ▶ The Internet
- ▶ Server Daemons (web, databases, etc)
- ▶ The LAMP model
- ▶ Multi-user environments
- ▶ Security
- ▶ *Special topics?*
 - ▶ **Your** input is needed!

Homework #1

- ▶ Create an OCF account
 - ▶ (Future) lab located in Eshleemann, floor G
 - ▶ Accounts still being created, remote services online
 - ▶ <http://www.ocf.berkeley.edu>
- ▶ Fill out the course survey (online)
 - ▶ <http://xr1.us/beep6x>

Questions?