



Carnegie Mellon

Orientation
Movie Night

Fall 2006

C	O	M	P	U	T	E	R
		C	L	U	B		

Agenda

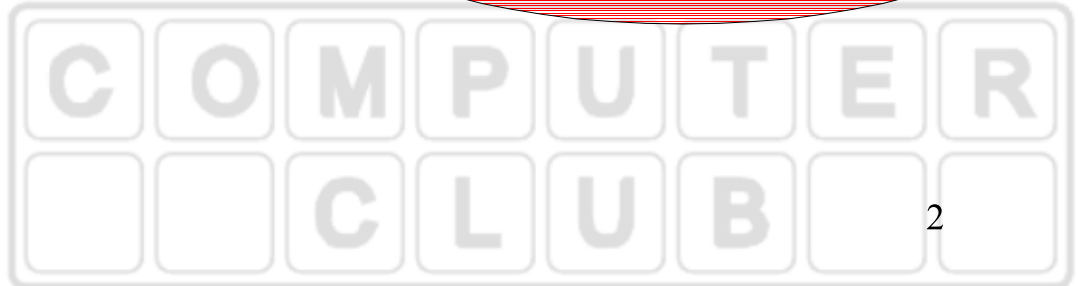
- Intros
- Talk
- Order Pizza
- Movie
- Pause movie, get pizza
- Movie
- Pause movie, get ice cream
- Movie

~~PAGs~~

~~AFS internals~~

~~Apache/suexec
internals~~

~~Kernel magic~~



Our Mission

“The computer club was founded in 1899 to study binary...”

- Encourage tinkering
- Spread appreciation for cool retro hardware
- Promote open source software
 - And the use of alternative Oses (Linux, BSD, ...)
- Host or assist interesting programming projects
- Provide useful services to campus community



Who are we?

- ~10 students, about 5 active, bunch more sorta-members
 - Did I mention we're actively recruiting?
- A few old people
- Staff advisor: Dave Eckhardt



What do we do?

- First, we have a machine room!

Carnegie
Mellon



What do we do?

- Virtual machine room tour...



Circa 2004

C L U B

What do we do?

- Virtual machine room tour...



Circa 2004

What do we do?

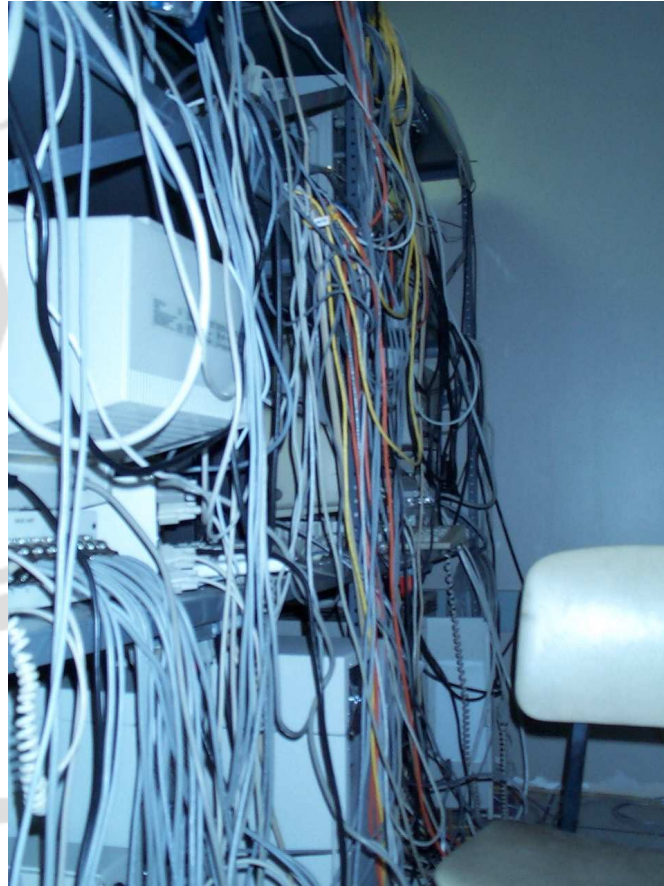
- Virtual machine room tour...



Retro DEC's!

What do we do?

- Virtual machine room tour...



Cables galore!

What do we do?

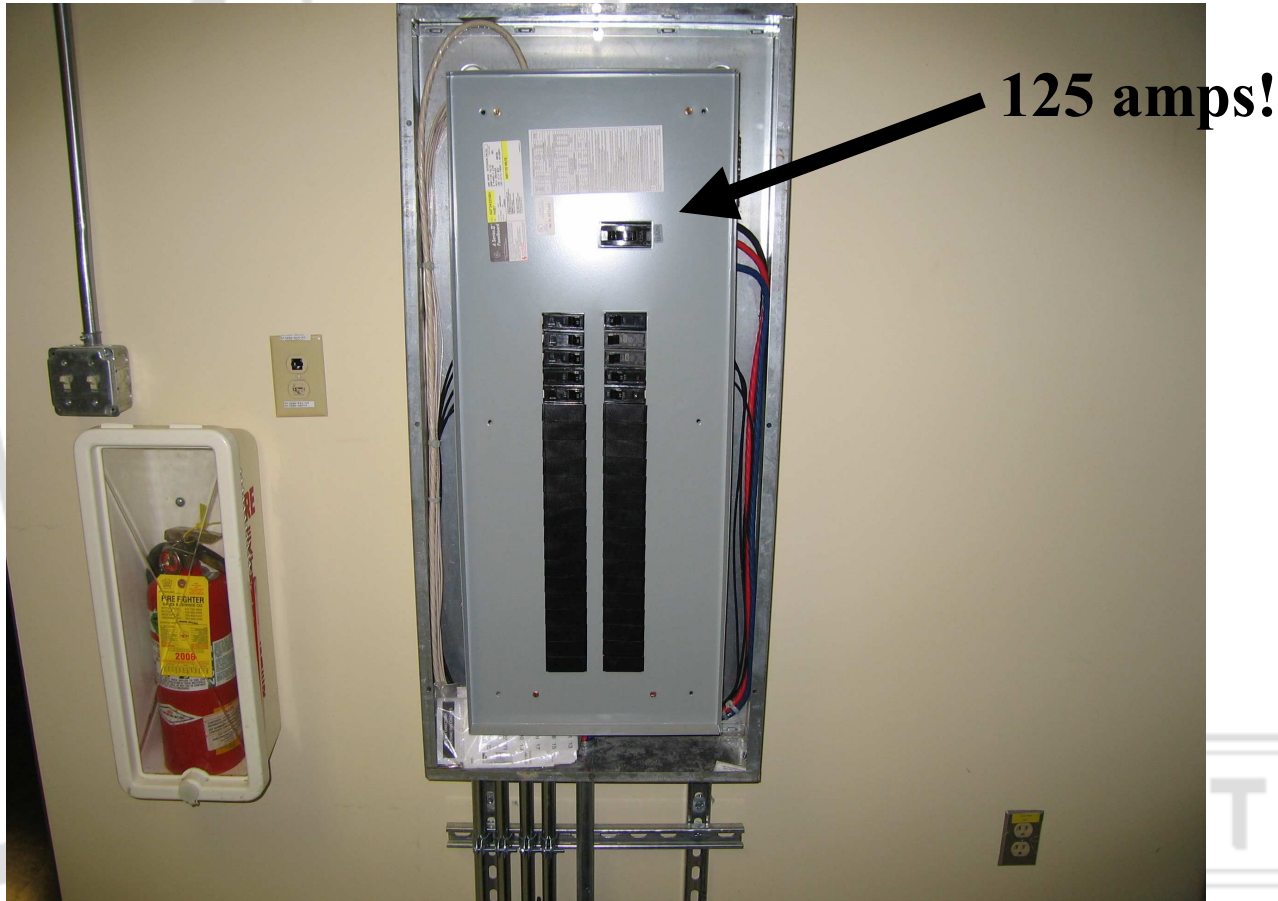
- Virtual machine room tour...



Post-renovation (now)

What do we do?

- Virtual machine room tour...



Power!

What do we do?

- Virtual machine room tour...



Air conditioner

What do we do?

- Virtual machine room tour...



Authentic raised floor

What else do we do?

- Run an andrew-like environment
 - AFS file servers, kerberos KDC login servers, unix shell servers, mail servers, DNS servers, web servers...
- Hack on programming projects in this context
 - (But it doesn't have to be!)
- Use it to offer a bunch of useful services to campus
- Occasionally hold events (like this one)

“Contributed” Services

- Contributed webserver – www.contrib.andrew.cmu.edu
 - Serves pages straight out of AFS (no publishing required)
 - Will execute CGIs (perl, php, python, etc.)
 - SSL (HTTPS) encryption support
 - WebISO (pubcookie) authentication support
 - Safe authenticated AFS access for scripts
 - Write to files, read (your own) private files
 - Also host a MySQL and postgresSQL server

Other Services we offer to campus

- USENET news (NNTP) server
- Open source FTP mirror
- Services to student organizations
 - “org” pages on www.contrib
 - SQL server access for organizations
 - DNS hosting for custom domain names (e.g., www.yourclub.org)
- Jabber IM server
- ...others I'm not thinking of...



Up and coming services

- Contributed wiki –
wiki.contrib.andrew.cmu.edu
 - Campus-wide place to share useful info pertinent to CMU folks
- Wikis for student organizations
 - wiki.contrib.andrew.cmu.edu/yourclub
- ...others I'm not thinking of...



Services we offer to members

- Shell account on our machines
- 300MB AFS space
- Flexible mail delivery
- Another website
 - <http://www.club.cc.cmu.edu/~you>
- Access to Drycas, the VMS/Vax cluster
- Serious members/officers get admin bits and machine room access



How to join

- Bring us:
 - A shrubbery!
 - 35 coconuts and a +3 amulet of agility
 - Proof you've hacked the Gibson

COME TO MEETINGS!



How to help

- Contrib services
 - Put content on wiki.contrib
 - Anything about campus, good places to eat, tips on configuring the andrew desktop environment, ...
 - Help hack mediawiki
 - Help hack apache/suexec
 - Develop enhanced webiso login system
 - Source control (svn/cvs) for orgs



How to help

- Infrastructure
 - Help us put the room back together
 - Debian package maintenance
 - NNTP server administration
 - Service monitoring
 - Bunch of little things



How to help

- Web stuff
 - Website doesn't use CSS
 - Online documentation getting old
 - `www.contrib` home
(<http://www.contrib.andrew.cmu.edu>)
really, really dated



How to help

- Outreach
 - UNIX clue session
 - Talks
 - Emacs, TeX, linux tuning, interesting OS internals
 - Student LUG
 - (We're not associated with WPLUG)



How to help

- Anything else
 - Any great ideas?
 - Need a home for your favorite project?



Finding us

- We hold machine room hour weekly:
 - Saturdays @ 6pm in Cyert B6
- We hold weekly discussion meetings:
 - Tuesdays @ 5:30pm (might be changing for fall semester) in Cyert atrium
- Come on by, we'll give you a tour, create an account for you

