Computer Science Department
Computer Facilities
YOUR LOCAL COMPUTER SUPPORT STAFF

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http://support.cs.stanford.edu

The only thing you really need to remember from this presentation

This slide deck will appear on http://cs.stanford.edu this afternoon
Stanford IT Landscape

Decentralized, competing organizations
- IT personnel at every level
- Overlapping responsibilities, competition, confusion
  - Though we work with University IT, SoE IT, etc.

CSD-CF provides
- Support for core CS systems
- Gates building network
- Support for groups in CS that pay
  - SAIL, Theory Lab, InfoLab, Graphics, HCI
- Support for other organizations that pay
  - Departments (Math, Psychology)
  - Research groups (Folding@Home, Solar Physics)
  - Specialized HPC clusters (NNIN)
Core Department Support

CS department infrastructure
▪ Covers all CS students and alumni
▪ Authentication, basic storage, shell access
▪ Email for cs.stanford.edu, lists, aliases and forwarding

Gates building network
▪ Router, switches, wireless
▪ Computer registration, IP address assignment

CS assets in SRCF (Stanford Research Computing Facility)
▪ Offsite building at SLAC
▪ Install and maintain machines for CS research groups
CSID

Computer Science user ID

- Get one at http://cs.stanford.edu/csidd

Provides access to:

- Xenon, shared general purpose system
- Servers and workstations in SAIL, Theory, Infolab, Graphics and HCI
- Room reservations at http://gin.stanford.edu
- Personal information at http://cs.stanford.edu/webdb
  - Control your @cs.stanford.edu mail forwarding
  - Maintain personal contact information with the department
  - Create @cs.stanford.edu mailing lists
Email @cs.stanford.edu

Forwarding only
- Set destination via http://cs.stanford.edu/webdb
  - Forward to xenon.stanford.edu, your Stanford account, gmail, etc.
  - Do not leave your forwarding address blank or you won’t get any email

Spam filtering
- Mail through cs.stanford.edu is tagged if it looks like SPAM
- Adjust your settings at http://cs.stanford.edu/spam
Supported Groups

SAIL, Theory, InfoLab, Graphics, HCI
- Other research groups & professors may have local support
- Authentication, basic storage, shell access
- Email for cs.stanford.edu, lists, aliases and forwarding

Workstations
- Full life-cycle support, purchase to disposal
- Mostly Linux, with some Macs and Windows

Servers and Clusters
- Full life-cycle support
- Hardware and software
- Hosting in CS data center, Forsythe, or SRCF
AFS / Kerberos notes

Limited lifetime
- Login gets you access for 3 days *unless you renew your tokens*
- Use reauth to renew tickets/tokens indefinitely

Passwordless login
- Public key login by SSH will **NOT** work
- But forwarding CS kerberos tickets is supported
Network Access

Wired
- Register first, [http://cs.stanford.edu/ip](http://cs.stanford.edu/ip)
  - Do **not** grab an IP address
- No access until hardware address (MAC) is granted access
- Different subnets for groups
  - Beware of moving between offices or groups, plan ahead
- Open network, keep security in mind
  - Research machines optionally exempted from ISO mandates

Wireless
- Campus-wide SSIDs “Stanford” + “Stanford Visitor”, no encryption
- “Stanford” SSID requires conformance to ISO security mandates
- Wireless in Gates is supported by CSD-CF, elsewhere UIT
- Please don’t run your own wireless network
Network Security

Open research network
- Your computer will be under attack as soon as it appears on the network
- Keep software up-to-date
- There are different subnets for groups
  - Beware of moving between offices or groups, plan ahead
- Open network, keep security in mind

Use strong passwords, and don’t share them
- Containing upper and lowercase letters, digits, punctuation
- NEVER set easy “temporary” passwords

Be smart
- Stanford will never ask for a password via email
- Don’t click on web links in email (phishing)
Important Links

http://support.cs.stanford.edu
  - Support portal

http://cs.stanford.edu/doc
  - These slides and other useful information

http://cs.stanford.edu/webdb
  - CS email forwarding and personal information

http://cs.stanford.edu/ip
  - Connect a new computer to the network

http://helpsu.stanford.edu
  - University IT help desk