

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/csidi>

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>
 - 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