Welcome to Brown CS!

Spring 2015
Consultants
Consultant Introduction

- What's my name?
- Why am I here?
- Where can you find me?

• Let's make some accounts!
Retrieving your Password

- Move your mouse over to the “Useful Box”
  - (The black box in the lower right corner)
- Type `ub-new-account` and press enter
- Follow the prompts to retrieve your temporary password
  - Enter your *Brown* username and password, what you use to log into Banner (e.g. djhoffma)
  - Write down this password, you will change it soon, but just in case.
- Move your mouse back to the login box and log in with your initial CS credentials
Set Up Your Account

• After logging in, follow the prompts to set your new passwords to something you remember
  – Must have 3 of the following types of characters:
    • lowercase letters
    • uppercase letters
    • numbers
    • symbols

• Set up mail forwarding to an email you check regularly. You can change where the email gets forwarded to at a later time if necessary.
What's with all the Passwords?

Kerberos
Use it for logging in to department computers

LDAP
Use it for other stuff:
- Department listservs
- Department wiki/VPN
- CS department website
- etc...

I'll wait for you to get logged in now...
What's with all the Passwords?

**Kerberos**
Use it for logging in to department computers
You can use your Kerberos password to change your LDAP password, but not vice versa.

**LDAP**
Use it for other stuff:
- Department listservs
- Department wiki/VPN
- CS department website
- etc...

I'll wait for you to get logged in now...
Getting started

- You're logged in!
- If you've never used Linux before, don't panic!
  - Your default desktop environment is very easy to use
- There will be an open “Iceweasel” window
  - This is our version of Firefox
  - You can close it now
- Open the Terminal Application
  - At the top left, click Applications
  - From the menu that pops up, select Accessories → Terminal
Introduction to Unix and the Command Line

Basic commands

- `ls` – list files and directories
- `cd` – change directory
- `mv` – move file/directory
- `cp` – copy file/directory
- `rm` – remove
- `man` – manual for a command (ex. “man ls”)

New User Orientation
Introduction to Unix and the Command Line

Example (Students should try this, go to Applications → System Tools → Terminal):

```
$ pwd

$ ls

$ mv README Desktop/

$ cd Desktop/

$ ls

$ cp README ../

$ rm README

$ cd ..

$ man pwd
```
Introduction to Unix and the Command Line

Common locations

- Current directory
  - . (a single period)
- Parent directory
  - .. (yes, that's two dots, mainly useful as “cd ..”)
- Your home directory
  - ~
- Your course directory
  - course/csXXX (e.g. course/cs004, course/cs015)
Changing Passwords

• What if you want to change your password?
• Kerberos:
  - Type kpasswd
• LDAP:
  - Type ldappasswd
• If it asks for your current password, always type your Kerberos password
  - In other words, you can forget your LDAP password and still change it easily
Backups

• Help, I deleted a file!
• There is a backup system called “snapshots”
  – Snapshots are taken every 4 hours and last for a couple of weeks.
  – Ask the consultant if you need help with this.
Quotas

- Everyone gets 500MB
  - Should be enough for everyone
- *Don't exceed your quota!*
- You'll get notifications when you go over quota
- *Don't ignore these notifications!*
- You can't log in when over quota.
- Consultants can be very helpful at helping you clean up your home directory.
Security

- **Log out or lock your screen when you leave your computer.**
- There are unscrupulous users about
  - This is bear country
- If your code is stolen, it's a collab policy violation
  - You will be held equally responsible
- Name (top right) → Log Out (when you leave)
- Name → Lock Screen (only if you're leaving very briefly)
- Use your Kerberos password to unlock
Ergonomics

- CS courses require a lot of typing
- Many CS students have wrist problems
- Sit up straight in your chair
- Put your feet on the floor
- A program, Workrave, will advise you to take typing breaks
- Start your work early, so you can spread your typing out
Ergonomics

• The Sunlab has new adjustable desks.

• You can raise or lower the keyboard/mouse trays with a lever underneath the tray on the left hand side.

• On the right hand side is a knob, turning this counter-clockwise will loosen the keyboard, and turning it clockwise will tighten it. Use this to tilt the keyboard up and down. Most ergonomics experts suggest a negative tilt to the keyboard.
Lab Etiquette (1)

• No cell phone usage
• Use headphones for sound (on most computers)
• Don't leave your computer locked for a long time
• *Absolutely no food or drink (even water)*
  - Leave all food at the back table
  - Consultants patrol the lab and will cite violators
• If you use folding chairs, return them to the stage
  - They are fire hazards, and incredibly annoying when left out.
Lab Etiquette (2)

- Print responsibly
  - CS course-related only
  - Under 20 pages per printing job, 4 slides to a page minimum
  - Remember to pick up your job within 20 minutes
  - Repeat violators will lose printing privileges

- You can print non-CS material from dept. computers to PAWPrints
  - Pick it up in the CIS cluster across the lobby

- CS course-related material should be printed to “bw1” (the printer at the top of the Sunlab)
Lab Etiquette (3)

- **Never** turn off computers on your own.
  - Ask a consultant for help if your computer freezes or is being slow.
  - Otherwise, people working from home (more on this later) will lose their unsaved work. :(
Getting Help with the Systems

• For course help, see your TAs
• If you're in the CIT, talk to the Sunlab consultant by the door (at computer 9a)
• If you're elsewhere, send an email to problem@cs.brown.edu
  – Be as descriptive as possible in your request
Learn More

- Sunlab Website (http://brown.edu/go/sunlab)
- Shell Guide (http://brown.edu/go/shell)
- Undergraduate Missive (http://brown.edu/go/cs_ugrad)
- Department Wiki (http://wiki.cs.brown.edu)
Working from Home

- Avoid overcrowding... work from home!
- Consultants can help you set up ssh and Portable Sunlab (both methods of working from home). Go to http://brown.edu/go/sunlab and look at the Working From Home Guides. If you have any trouble the consultants will be glad to help.
- Portable Sunlab setup at https://brown.edu/go/ps