Welcome to Brown CS!

Fall 2015
Consultants
Getting started

• 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)
- Ctrl+Click on this box and select “Secure Keyboard” from the menu
- Type `ub-new-account` and press enter
- Do not, at any point during this process, press Ctrl+C!
- Follow the prompts to retrieve your temporary password
  - Enter your *Brown* username and password, what you use to log into Banner (e.g. djhoffma)
- Ctrl+Click and deselect “Secure Keyboard.” 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
  – The system requires your password to be reasonably secure!
  – Mixed cased and numbers or 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
- 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 this password to change your LDAP password, but not vice versa.

**LDAP**

Use it for other stuff:

- Department listservs
- Department wiki/VPN
- 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 System Tools → Xfce Terminal
  – You can drag the icon to your menu bar to create a shortcut
Introduction to Unix and the Command Line

Basic commands

- `pwd` – print working directory
- `ls` – list files and directories
- `cd` – change directory
- `mv` – move
- `cp` – copy
- `rm` – remove
Example (Students should try this):

$ pwd

$ ls

$ mv README Desktop/

$ cd Desktop/

$ ls

$ cp README ../

$ rm README

$ cd ..
Common locations

- Current directory
  - How do I find out where I am? (which command should I use?)
- Parent directory
  - .. (yes, that's two dots, mainly useful as “cd ..”)
- Your home directory
  - ~
- Your course directory
  - course/csXXX (e.g. course/cs017, 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!*
- To see your usage: type `ncdu` in a terminal
- 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 bat 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
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**
  - Water in a closeable container is allowed
  - Leave all other food and drink at the back table
  - Consultants patrol the lab and will cite violators
- If you use folding chairs, return them to the stage or the side of the room in the MSLab
Lab Etiquette (2)

- Print responsibly
  - CS course-related only
  - Under 20 pages, 4 slides to a page minimum
  - Remember to pick up your job
  - 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/restart 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. :(

New User Orientation
Working from Home

• Avoid overcrowding... work from home!
• Consultants will be holding a **remote access lab** this weekend in the Sunlab:
  – Saturday 9/19 12-2pm
  – Bring your laptop!
• Guide is also accessible at [http://brown.edu/go/sunlab](http://brown.edu/go/sunlab)
• See a consultant at 9a if you need help!
Working from Home: Sneak Preview

- Portable Sunlab
  - brown.edu/go/ps
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)
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
- If you're elsewhere, send an email to problem@cs.brown.edu
  - Be as descriptive as possible in your request