Administrative Details for CS1320

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In this document, I hope to list administrative details that might be useful when taking CS1320.

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1 Accessing CS Computers

Computer science computers are available in HAS 340 (whenever Halsell is open) and the classroom HAS 228 when it is not being used. Ask your instructor for the door combination.

From any Internet-enabled computer, one can use telnet to access any computer science machine. If using an NT computer, use the "run" command to start using "telnet." Then, open a connection to your favorite computer science machine, e.g., janus01.cs.trinity.edu or janus21.cs.trinity.edu. If this fails, try typing "131.194.131.151" or "131.194.131.x", where x is any number 151–177. This could fail if someone has rebooted the machine you selected to run Windows NT so try several machines before giving up.

1.1 Running X on Your Windows Computer

Instead of installing UNIX (or Linux) on your computer to access your CS account, you can run the X Windows program on your Windows computer. This will permit you to display Xemacs and shells on your computer. To do so, install the MI/X server on your computer. Then run the MI/X server before you start a telnet session to your favorite CS computer. If necessary, tell X the name of your computer using the following commands:

DISPLAY=*machinename*:0.0 export DISPLAY

where *machinename* is the name of your computer. If this fails, type the IP address of your computer. (I do not know how to determine this. Ask TUCC.

2 Obtaining a C++ Compiler

Most Linux installations come with a C++ compiler. Some compilers for Windows/DOS include:

- Cygwin tools for Windows. This compiler is very similar to the g++ available on the CS machines.
- DJGPP.
- DOS C++ compiler. A DOS-based compiler found by John Word.

Feel free to use these free compilers, but I cannot provide any support. You might ask TUCC if Trinity provides free C++ compiler software.

3 Obtaining a CS Account

The Computer Science Department maintains its own network of computers separate from the Trinity University Computing Center's (TUCC) network.

To obtain an account on the Computer Science network,

1. Log into a TUCC Window NT computer using your Trinity username and password.
2. Using the Network Neighborhood, find the Sol computer. For me, the steps were
   (a) Select the "Entire Network" in the upper left corner.
   (b) Choose the "Microsoft Windows Network."
   (c) Choose "Cs."
   (d) Choose "Sol."
3. Click (or double-click) Sol.

This should establish an account on the CS computers with the same username as your TUCC account. The initial password will be emailed to your TUCC account. Please change it by:

1. Logging into a CS computer.
2. Changing your password using the "yppasswd" command.

3.1 Difficulties

If you experience difficulty, try one of the following:

- Try using a computer on the upper campus, rather than the lower campus. No one can explain the difficulty. Ask for help at TUCC.
- If the email message with your CS password does not contain a password but some other error message, print a copy of the email and ask Dr. Konstam (HAS 339B) or Dr. Howland (HAS 201C) to give you a password.

4 Printing

tabula, the default printer, is available in HAS 340. It is a slow, old printer with poor output so please use it only for printing homework submissions. Please use the TUCC printers for all other purposes.

To print, use the "lpr" command. For example, "lpr foo" will print the file named "foo."

To see the queue of jobs that are awaiting printing, use "lpq." Note that the job that is currently printing is sometimes not shown.

5 Saving WWW Files

Thanks to Berna L. Massingill for the text. Of course, I am responsible for all inaccuracies.

5.1 Saving Using a Browser

Using a Netscape browser, choose "Save As..." from the File menu. The dialog box will query where the file should be saved.

5.2 Saving using the `wget` Command

Another approach is to use the Unix/Linux command `wget`. For example, to save this WWW page, use

```
wget http://www.cs.trinity.edu/~joldham/1320/other/howto/
```

For more information, read the info pages. (These may be accessed via emacs by typing "Control-h i.")