

CSC 9010 Digital Libraries

System Notes

We have seven PCs setup with the fedora core operating system (Red Hat Linux based). Each group of students in the digital library course will be assigned a machine to setup a digital library repository. This will involve downloading and configuring the different modules required for the proper delivery of the information for the outside world.

You will have root access to your assigned system as well as three initial accounts (user01, user02 and user03) with normal user privileges.

You will be given the initial passwords for the accounts created on your system. You may change these once you have accessed your system.

Each system has also two special accounts you should not modify (admin and toor) . These will be used for the system administration.

Make sure all the accounts on your system are password protected, and avoid login as root unless you need to. Use a regular account and the "su" command (switch user) to become root whenever you need to.

You may go the lab where your machine is located (MSC 290 or MSC 289), and login at the console using the GUI, or you may use the secure shell from any remote location.

A copy of the secure shell may be downloaded from :

<http://csc.villanova.edu/support/downloads>

Each system has the "pico" editor you may use on any text window or on a secure shell connection. (See attached pico help) You can also use at the console the built-in text editor (Application → accessories → Text Editor).

For some UNIX help, you may check the material posted at

<http://www.csc.villanova.edu/~lab/unix/>

<http://csc.villanova.edu/support/technical>

The CS help desk schedule is posted at

<http://csc.villanova.edu/support/cscHelpDesk>

PICO Help

Pico Help Text

Pico is designed to be a simple, easy-to-use text editor with a layout very similar to the pine mailer. The status line at the top of the display shows pico's version, the current file being edited and whether or not there are outstanding modifications that have not been saved. The third line from the bottom is used to report informational messages and for additional command input. The bottom two lines list the available editing commands.

Each character typed is automatically inserted into the buffer at the current cursor position. Editing commands and cursor movement (besides arrow keys) are given to pico by typing special control-key sequences. A caret, '^', is used to denote the control key, sometimes marked "CTRL", so the CTRL-q key combination is written as ^Q.

The following functions are available in pico (where applicable, corresponding function key commands are in parentheses).

^G (F1) Display this help text.

^F move Forward a character.

^B move Backward a character.

^P move to the Previous line.

^N move to the Next line.

^A move to the beginning of the current line.

^E move to the End of the current line.

^V (F8) move forward a page of text.

^Y (F7) move backward a page of text.

^W (F6) Search for (where is) text, neglecting case.

^L Refresh the display.

^D Delete the character at the cursor position.

^^ Mark cursor position as beginning of selected text.
Note: Setting mark when already set unselects text.

^K (F9) Cut selected text (displayed in inverse characters).
Note: Setting mark when already set unselects text.

^K (F9) Cut selected text (displayed in inverse characters).

Note: The selected text's boundary on the cursor side ends at the left edge of the cursor. So, with selected text to the left of the cursor, the character under the cursor is not selected.

^U (F10) Uncut (paste) last cut text inserting it at the current cursor position.

^I Insert a tab at the current cursor position.

^J (F4) Format (justify) the current paragraph.

Note: paragraphs delimited by blank lines or indentation.

^T (F12) To invoke the spelling checker

^C (F11) Report current cursor position

^R (F5) Insert an external file at the current cursor position.

^O (F3) Output the current buffer to a file, saving it.

^X (F2) Exit pico, saving buffer.