

Overview

Editors

- ∎nedit
- □vi
- Browsers/HTML Editors

Mail Tools

Utilities

⊐xv

≡xman ≡ftp

Editors

There are a variety of editors
 wi and pico
 memacs and xemacs

- ■emacs and xema ■Nedit
- The line editors are vi (universal), pico (very simple), emacs (very powerful).
- The graphical editors are nedit (powerful but simple) and xemacs (very powerful and not too hard to learn)

Nedit as an editor

- You must be in an X Window System environment to run nedit
- It is relatively simple to use and has a little built in help
- It is important to keep in mind:

 Preferences are at two levels, immediate and saved
 Really useful for programming syntax, braces, include files, indents, etc.





vi as an editor

vi is a modal editor

- To shift between command and entry mode:
- Type "ESC" to get to command mode - Type i(insert), a(append) R(replace), and others to go to edit mode
- ⇒ vi is a very simple but powerful line editor
- ⇒ There are 75+ commands, but a dozen will do
- Commands in vi can be:

character or sequence optionally preceded by a num ■: command – a : followed by one or more characters ■command preceded by a \ or !

Starting vi

- ⇒ Type vi filename to edit a file If file exits, it is opened, if not it is created
- vi displays lines beyond the end of file by using the "~" character
- The line at the bottom of the screen is used to enter commands
- ⇒ For practice purposes, use a Unix command to generate fodder for a file to be edited ■Is –la > testfile.dat ■vi testfile.dat

Basic vi commands

Some of the important file handling commands are: :w (write) or :r (read) file compared with a set of the s

- The basic movement commands are:
 - ■h left ■j down ■k up ■l right
- ⇒ PC cursor keys may work as well
- ⇒ The command u undoes the last edit it is only one deep

vi - getting around

- In command mode most commands can be preceded by a number
- Other movement commands include:

 H top line, M middle line, L last line

 ^F,^B one screen forward, backward
- ⇒ nG will take you to line n, G will take you to the last line

vi - entering text

From command mode, a number of commands can be issued to enter text:

 ii will start text insert mode just before the current position – this is basically the only command you need
 iii will start append mode – right after the current position
 iii will replace the current character and return to command mode

=R will go into replacement mode

 These modes (with the exception of r) continue until the user types the ESC key

Vi - deleting and modifying text

Commands to delete text include:
 ■x delete a single character
 ■dd delete current line

- D delete remainder of line
- ■dw delete word

■p will put it down – works on both ddand yy

 Both yy and dd take number prefixes, p doesn't use a number

More commands

⇒ Movement

□0 moves to the start of the current line
 □\$ moves to the end of the current line
 □W, w, B, b move forward and backward words

- $\mathop{ \fbox }$ u will undo the last command
- ⇒. Will repeat the last command
- ⇒ J will join two lines

vi - executing commands

- :! cmd will execute the command cmd presenting the output in vi. Hitting the enter key will return to vi
- Solution : Solution :: Solution : Soluti
- :%! cmd will pipe the current contents to cmd and replace the editor contents with the result
 Take care in that a bad command will cause the error message to replace the current contents

The .exrc file

⇒ vi is based on the ex editor

- The .exrc file thus defines resources or startup conditions for ex and vi
- Some common setting might include:
 - ∎set number
 - ■set showmode
 - ■set ignorecase ■set wm=10
 - ■ab tstr rstr
 - map c commandsequence

Browsers/HTML Editors

- $\ensuremath{\mathfrak{I}}$ Netscape is the default browser on Unix
- $\ensuremath{\mathfrak{I}}$ Hotjava also is installed on solaris
- Netscape can be used:
 For viewing web sites
 Editing webpages (composer)
 Keeping address books
 - ■Reading imap mail







Mail Tools

 The mail tools used on Unix are multiple and all are imap and pop compliant

 pine exists as a command line mail tool
 mailtool is the default solaris mailtool
 netscape provides a powerful mail capability









Utilities

There are numerous utilities on Unix

⇒ Two of the command line utilities are: ∎grep

∎ftp

- ⇒ Two of the graphical utilities are: ∎xv

∎xman

grep

- The General Regular Expression Program or grep is a program to search streams ■allows the user to search a standard I/O stream for terms pr patterns ■Allows the numbering or lines
 - ■Allows non matches to be displayed ■Allows counts to be developed
- C Helps with voluminous data streams

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ftp

ftp stands for file transfer protocol
 It was one of the first network programs in Unix
 The ftp works through a client/server program set
 The host system runs a server called ftpd
 The client runs a client program normally called ftp
 Some systems allow restricted "anonymous" ftp

 PC based interfaces tend to hide the underlying ftp commands, Unix ftp is normally command line
 aftp does automatic conversion of line endings as needed
 To turn this feature off, use binary mode



Common ftp Commands

- ⇒ get will get a single file
- ⇒ put will put a single file
- - hash prints a hash mark for each block moved
- ➡ Commands like cd and pwd operate on the remote system
- ⇒ "! Command" allows a command to be executed locally from
- within ftp

XV

An image display and manipulation utility
 Allows editing of the color palette
 Allows display of image information
 Allows file type conversion
 Allows resizing and croping



xman

⇒ A utility to view man pages
 ■ Allows index and pages open simultaneously
 ■ Allows easy browsing – recognition versus recall
 ■ Allows scrolling back and forth
 ■ Allows model of "sections"

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