



Mastering Linux Command-line



Vi Editor

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Editors

- **vi Editor**
- emacs Editor
- vim Editor (Improved version of vi)
- nano

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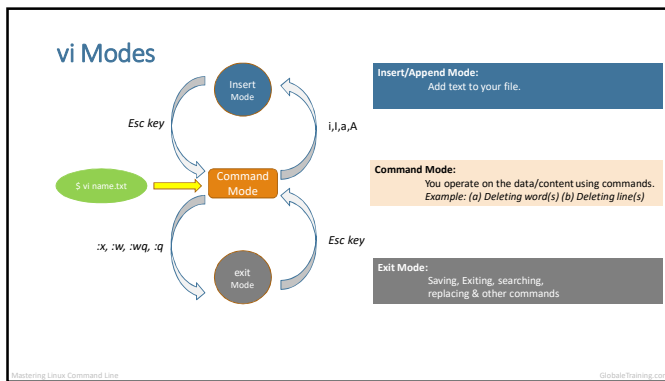
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vi Editor - Modes

- Command Mode
- Input Mode
- Exit Mode

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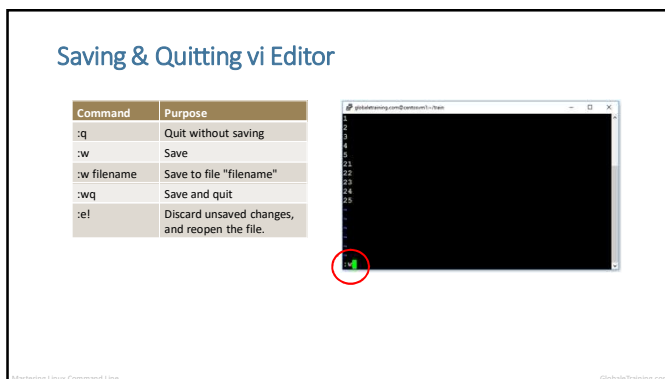
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[illegible]

5

[illegible]

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Moving around

Navigation - Window	
<ctrl-d	Scroll down (half a screen)
<ctrl-u	Scroll up (half a screen)
<ctrl-f	Page forward
<ctrl-b	Page backward
/string	Search forward
?string	Search backward
<ctrl-l	Refresh screen
<ctrl-g	Display line number and file information
n	Repeat search
N	Repeat search in reverse direction
G	Go to the last line
nG	Go to the nth line
0n	Go to the nth line
Z	Reposition window & cursor in middle
z~	Reposition window and cursor at bottom

Navigation - Cursor	
H	Upper left corner
M	Middle line on the screen
L	Lower left corner
h	Back a character
j	Down a line
k	Up a line
^	Beginning of the line
\$	End of the line
f	Forward a character
w	One word forward
b	Back one word
fc	Find character "c"
:	Repeat the character find

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Editing/Insert

Input Commands	
i	Insert before cursor
a	Insert after cursor
o	Insert line below
O	Insert line above
ESC	Switches to command mode from Editing
r filename	Insert file "filename" after the current line

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Change

Change Commands	
cw	Change word
cc	Change line
c\$	Change to end of line
ra	Replace character with a
R	Continuous replacement until ESC is hit

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Copy & Paste

Copy & Paste (Moving lines around)	
yy	Yank the current line
n yy	Yank n lines
p	Paste after the current line
P	Paste before the line
ESC	Switches to command mode from Editing
"a5yy	Yank 5 lines to buffer a
"a5dd	Delete 5 lines, and copy to buffer a
"A5dd	Delete 5 lines, and append to buffer a
"ap	Paste text from buffer a
yw	Yank word
J	Join lines

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Undo

Undo	
u	Undo last change
U	Undo all changes on line

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Copy lines to another file

Move text from one file to another	
Method 1 vi file1	
	Open file1
"a5yy	Yank 5 lines to buffer a
iw	write work buffer
:e new_file	edit new file "file_new"
"ap	Past text from buffer a
Method 2 :10,20w new_file	
	Write lines 10 to 20 into the new file

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Search & Replace

Search and Replace	
Syntax: [:address][:old_text[:new_text/]	
Address:	
.	Current line
n	Line number n
.+m	Current line plus m lines
\$	Last Line
/string/	A line that contains 'string'
%	Entire file
[addr1][addr2]	Specifies a range

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Configure vi Environment

- set
- ab
- .exrc
- EXINIT

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Configure vi Environment – Using “set”

Parameters	
:set list	Show invisible characters
:set nolist	Don't show invisible characters
:set number	Show line numbers
:set nonumber	Hide line numbers
:set autoindent	Indent after carriage return
:set noautoindent	Turn off autoindent
:set showmatch	Show matching sets of parentheses as they are typed
:set noshowmatch	Turn off showmatch
:set showmode	Display mode on last line of screen
:set noshowmode	Turn off showmode
:set all	Show values of all possible parameters

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Configure vi Environment – Using “ab”

- “ex” mode command
- “ab” → stands for abbreviations
- Used to create abbreviations for text
 - Example: You could create usa as an abbreviation for the text “United States of America”
 - :ab usa United States of America
- “una” is used to unabbreviate

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Configure vi Environment – Using .exrc file

- .exrc is used to auto configure
- Settings in the file are applied to a vi session

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Configure vi Environment – Using EXINIT variable

- Environment variable
- The value is set to vi options
- EXINIT variable is typically declared in shell's profile file
 - .profile
 - .bash_profile

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