

Text Surgery with vi

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Introduction

version 1.1
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Esc
normal mode

vi / vim graphical cheat sheet

| | | | | | | | | | | | | |
|---------------------------|-------------------|-----------------|------------------|---------------------|---------------|---------------|-----------------|-----------------|----------------------------|----------------|-----------------|---------------|
| ~ toggle case | ! external filter | @ play macro | # prev ident | \$ eol | % goto match | ^ "soft" bol | & repeat is | * next ident | (begin sentence |) end sentence | "soft" bol down | + next line |
| ., goto mark | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 "hard" bol | - prev line | = auto-format |
| Q ex mode | W next word | E end word | R replace mode | T back 'till | Y yank line | U undo line | I insert at bol | O open above | P paste before | { begin parag. | } | end parag. |
| q record macro | w next word | e end word | r replace char | t 'till | y yank | u undo | i insert mode | o open below | p paste ¹ after | * misc | . | misc |
| A append at eol | S subst line | D delete to eol | F "back" find ch | G eol/ goto ln | H screen top | J join lines | K help | L screen bottom | . ex cmd line | " reg. spec | bol/ goto col | |
| a append | s subst char | d delete | f find char | g cmds ⁶ | h | j | k | l | * repeat | ' goto mk. bol | \ not used! | |
| Z quit ⁴ | X back-space | C change to eol | V visual lines | B prev word | N prev (find) | M screen midT | < un-indent | > indent | ? find (rev.) | | | |
| Z extra ⁵ cmds | x delete char | c change | v visual mode | b prev word | n next (find) | m set mark | reverse | repeat cmd | / find | | | |

| | |
|-----------------|---|
| motion | moves the cursor, or defines the range for an operator |
| command | direct action command, if red , it enters insert mode |
| operator | requires a motion afterwards, operates between cursor & destination |
| extra | special functions, requires extra input |

q.

bol = beginning of line, eol = end of line, mk = mark, yank = copy

words: quux(foo) baz, baz;
WORDS: quux(foo) baz, baz;

Main command line commands ('ex'):

:w (save), :q (quit), :q! (quit w/o saving)
:e f (open file f),
:%s/x/y/g (replace 'x' by 'y' filewide),
:h (help in vim), :new (new file in vim),

Other important commands:

CTRL-R: redo (vim),
CTRL-F/-B: page up/down,
CTRL-E/-Y: scroll line up/down,
CTRL-V: block-visual mode (vim only)

Visual mode:

Move around and type operator to act on selected region (vim only)

Notes:

- (1) use "x before a yank/paste/del command to use that register ('clipboard') (x=a,z,z') (e.g.: "ay\$ to copy rest of line to reg 'a')
- (2) type in a number before any action to repeat it that number of times (e.g.: 2p, d2w, 5l, d4j)
- (3) duplicate operator to act on current line (dd = delete line, >> = indent line)
- (4) ZZ to save & quit, ZQ to quit w/o saving
- (5) zt: scroll cursor to top, zb: bottom, zz: center
- (6) gg: top of file (vim only), gf: open file under cursor (vim only)

For a graphical vi/vim tutorial & more tips, go to www.viemu.com - home of ViEmu, vi/vim emulation for Microsoft Visual Studio



My Plan

- 1 Background
 - History
 - The vi Utility
- 2 How to vi
 - General Principles
 - Command Structure
 - Registers
- 3 Modern vi
 - Vim
 - Comparison to Other Editors



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History

Evolution of line editors



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Evolution of line editors

- 1971: ed at AT&T



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- 1976: ex 0.1 by Bill Joy



History

Evolution of line editors

- 1971: ed at AT&T
- 1976: ex 0.1 by Bill Joy
- 1979: ex 2.0/vi



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The vi Utility

```
vi [-rR] [-c command] [-t tagstring] [-w size]  
[file...]
```





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Nouns



Adjectives



Adjectives



Verbs



Visual Mode



Ex Commands



The Rest

Scrolling
ZZ, etc



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Registers



The Art of Macros



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vi Improved



VimScript

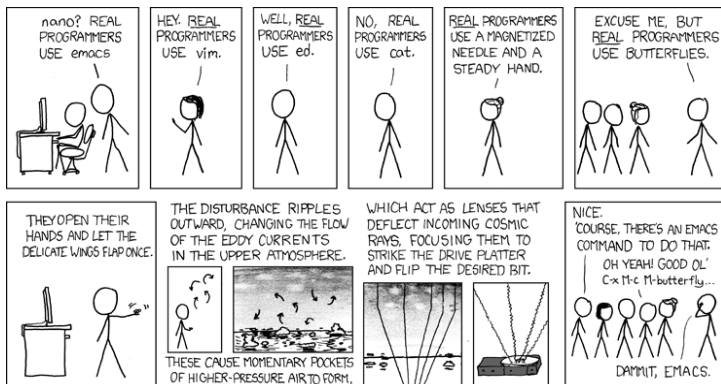


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Emacs



IDE's



Conclusion



Thank You

