

Beginners : Linux Lesson 4 : VIM

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- Main advantages
- What is vim?
- Useful links
- Modes
- .vimrc



Vim as powerful editor



- Open source
- Created by K&R
- Knows lot about C/C++
- Syntax highlighting for many languages
- Easy to use, thought it is hard to learn
- Configurable (.vimrc, :map)
- Scripting (recording, functions)
- Bash commands support (:!<command>)
- Commands combination (ggVG, :w | :make, 2j)
- Vim as browser (vim <directory>)



- shell command vimtutor
- vim :help command
- The Vim Book (vim.pdf in Urmia server)
- http://en.wikibooks.org/wiki/Learning_the_vi_editor/Vim



- Opening files
- Saving the changes
- Exiting vim editor



Operations are decomposed into modes

- Normal
- Insert
- Visual
- Replace
- Recording
- Command
- Same motion commands can be used in various modes
- There are basic principles for easy memorization



Default mode

- "ESC" for switching to normal mode
- Switching between modes only through the normal mode
- Most useful commands:
 - Motion commands
 - h (left), j (down), k (up), l (right)
 - Search commands
 - * for searching word that placed on cursor
 - n goto to the next searched word
 - N goto to the previous searched word



Editing mode

- For entering you need press following keys in normal mode:
 - i from current position
 - I from the beginning of the line
 - a from the next right position from the cursor
 - A from the end of the line
 - o from the beginning of the next new line
 - 0 from the beginning of the previous line



• CTRL+...

- y in current position write the symbol in upper line
- n/p find the word next/previous
- w delete word before cursor
- u delete all the symbols before the cursor till first tab or enter
- t/d tabulate the current line right/left



Selecting mode

- For entering visual mode press following keys:
 - v for general selection
 - V for line selection (horizontal)
 - <C-v> for block selection



Changing mode

- For entering this mode press following key:
 - r for only 1 symbol replacing
 - R for changing all symbols till pressing <ESC>



- New command composed mode
- For entering to the recording mode press in normal mode following keys:
 - q <symbol> sequence of commands q
- For calling following command:
 - @<symbol>



Searching and additional commands mode

- For entering Command mode for searching press / or ? keys and for additional commands press : key in normal mode.
- Most useful commands in Command mode are:
 - Simple commands
 - w, q, q!, f
 - Substitution command
 - :<scope>s/text1/text2/gc
 - Commands working with files
 - e, r, b, ls



Searching commands

- / , ? search word in current file after and before cursor positions
- grep search word in given files
- Jumping command
 - :<line_number>
- Bash commands
 - ! can call bash commands



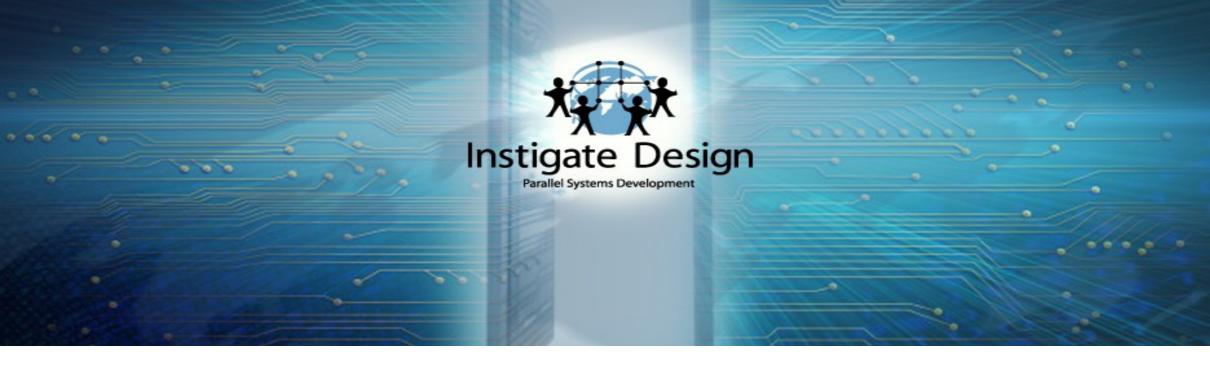
- f<symbol>
- y(copy)
- m(mark line)
- map(mapping)
- func (functions definition)



Start-up script for vim

- syntax on
- set hlsearch
- set nocompatible
- set bs=eol,start,indent
- set ignorecase
- set abbreviate
- set shiftwidth
- set incsearch





Thank You

