



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
 - ♦ O – 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