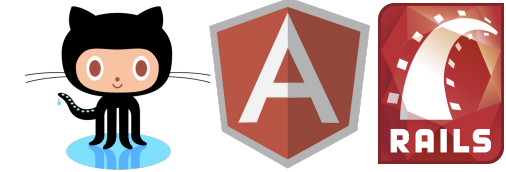




Hack Lang

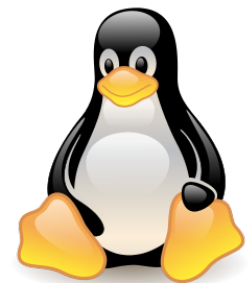
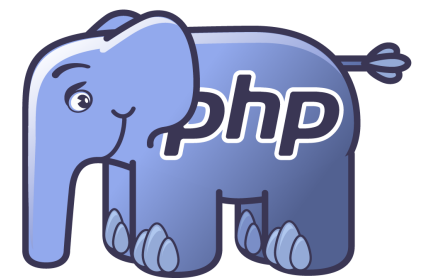
Vim introduction

@Dmitrijs Vrublevskis



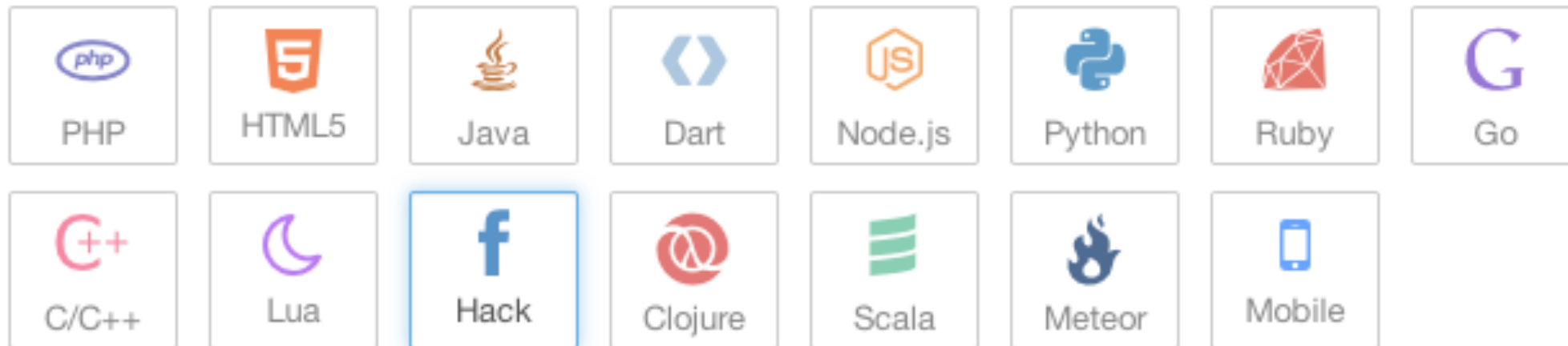
About me

- Developer @ “Transact PRO”
- Unhappy with PHP
- In love with Ruby
- Believe in Linux



Backup plan

<https://www.codebox.io>



Intro

- Programmer's text editor
- Released publicly in 1991
- Based on the vi editor
- Vim is a tool, the use of which must be learned.
- Shortcuts & no-mouse



My use cases

- Ruby (Rails) development (sometimes)
- One-time source editing (bugfixes, types and etc)
- Editing via SSH (nginx, apache, hosts and etc)
- Diff (rarely)
- Development (Intellij IDEA plugin)

\$ vim file.txt

§ - command sequences for pro

<esc> <esc> <esc> <esc>

<ctrl-c> <ctrl-c> <ctrl-c> <ctrl-c>



Modes

- Insert
- Normal
- Visual
- Command



Modes[Insert]

1. Insert

- A. Cursor - <i>
- B. Append - <a>
- C. On new line - <o>

2. Type text

3. Exit - <ctrl-c>



The screenshot shows a VIM editor window titled "1. example.php...ace/gdg) - VIM (vim)". The editor displays PHP code in a dark theme with syntax highlighting. The code is as follows:

```
1 <?php
2
3 class Example {
4     public function hello() {
5         $var = 1;
6     }
7 }
8
```

The cursor is positioned at the end of line 5, after the text "\$var = 1;". The status bar at the bottom of the window shows "NORMAL" in a green box, followed by a right arrow, "example.php[+]", and a left arrow.

Modes[Normal]

- Left - $\langle h \rangle$ - $\langle \text{left_arrow} \rangle$
 - Right - $\langle l \rangle$ - $\langle \text{right_arrow} \rangle$
 - Down - $\langle j \rangle$ - $\langle \text{down_arrow} \rangle$
 - Up - $\langle k \rangle$ - $\langle \text{up_arrow} \rangle$
-
- § 5l
 - § 2j

```
1 <?php
2
3 class Example {
4     public function hello() {
5         $var = 2;
6         $sum = $var + 1;
7     }
8 }
9
```

NORMAL example.php

Modes[Normal]

- Word - <w>
- End word - <e>
- Back word -
- Find - <f><any_letter_to_find>
- § F2e
- § t"



The screenshot shows a VIM editor window titled "1. example.php...ace/gdg) - VIM (vim)". The code is as follows:

```
1 <?php
2
3 class Example {
4     public function hello() {
5         $var = 2;
6         $sum = $var + 1;
7     }
8 }
9
```

The cursor is positioned at the start of line 5, before the variable `$var`. The status bar at the bottom indicates the current mode is "NORMAL" and the file name is "example.php".

Modes[Normal]

- Delete under cursor - <x>
- Replace - <r><letter>
- Delete - <d><motion>
- Change - <c><motion>
- Motion - <w>|<e>|<h> ...
- § d5k
- § ca"



```
1 <?php
2
3 class Example {
4     public function hello() {
5         $surkame = "Dmitry"
6     }
7 }
8
```

NORMAL > example.php[+]

Modes[Visual]

- Visual - <v>
- Line visual - <shift-v>
- Block visual - <ctrl-v>



```
1 <?php
2
3 class Example {
4     public function hello() {
5         $arr = array(
6             'key' => 'val',
7         );
8     }
9 }
10
```

NORMAL >> example.php
1 line 1...seconds ago

Modes[Command]

- Write - <:><w>
- Quit - <:><q>
- Write and quit - <:><w><q>
- Write and quit - <:><x>
- Quit without save - <:><q><!>
- Search - </><pattern><enter>
 - Next / Prev - <n> / <N>



The screenshot shows a Vim editor window with a dark background. The title bar at the top reads "1. example.php...ace/gdg) - VIM (vim)". The editor displays a PHP class definition with line numbers 1 through 13 on the left. The code is as follows:

```
1 <?php
2
3 class Example {
4     public function hello() {
5         $key1 = 'val';
6         $key2 = 'val';
7         $key3 = 'val';
8         $key4 = 'val';
9         $key5 = 'val';
10        $key6 = 'val';
11    }
12 }
13
```

At the bottom of the window, a status bar shows "NORMAL" in a green box, followed by ">> example.php" and navigation icons on the right.

Useful

- § <c><i><"> - Delete all in "" and put in insert mode.
- § <d><t><)> - Delete all till first ')'
- § <i><text><.> - Write some text and repeat
- § <F><(> - Move cursor to first '(', backwards

Learn vim

- http://www.viemu.com/a_vi_vim_graphical_cheat_sheet_tutorial.html
- <http://vim-adventures.com/>
- <https://www.shortcutfoo.com>

Vim projects

- <http://neovim.org/> - New next generation
- <https://github.com/gmarik/Vundle.vim> - Plugin manager
- <https://github.com/Valloric/YouCompleteMe> - Autocompletion
- <https://github.com/FyImTM/dotfiles/blob/master/vim/vimrc> - Mine `'vimrc'`

