



# **Introduzione a VIM**

1.

# **Cos'è VIM?**

Partiamo dalle basi

# Un editor di testo

Nulla di più, nulla di meno.

```
VIM - Vi IMproved

version 8.0.1188
  by Bram Moolenaar et al.
  Modified by Gentoo-8.0.1188
Vim is open source and freely distributable


  Help poor children in Uganda!
type  :help iccf<Enter>      for information

type  :q<Enter>              to exit
type  :help<Enter> or <F1>   for on-line help
type  :help version8<Enter> for version info
```



# Dove lo si trova

- Linux/Unix: già installato su ogni distribuzione
- Mac: sia Vim che MacVim (GUI)
- Windows: gVim



# Funzionalità

- Editor modale
- Progettato per essere efficiente
- Personalizzabile
- Estendibile





# +1,000,000

Più di un milione di persone ha avuto bisogno di aiuto per uscire da VIM.




# Stack Overflow: Helping One Million Developers Exit Vim

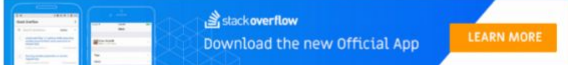


by [David Robinson](#) on May 23, 2017

This morning, a [popular Stack Overflow question](#) hit a major milestone:

 [Questions](#) [Jobs](#) [Documentation](#) BETA [Tags](#) [Users](#)  [Log In](#) [Sign Up](#)

## How to exit the Vim editor?



Download the new Official App [LEARN MORE](#)


asked 4 years, 9 months ago

**viewed 1000082 times**

active 13 days ago

BLOG

[How Stack Overflow Flipped the Switch on HTTPS](#)

Microsoft Azure 

Got 5 minutes?

▲ I'm stuck and cannot escape. It says:


1185 "type :quit<Enter> to quit VIM"

▼ But when I type that it simply appears in the object body.


★ vim vi

362 share improve this question

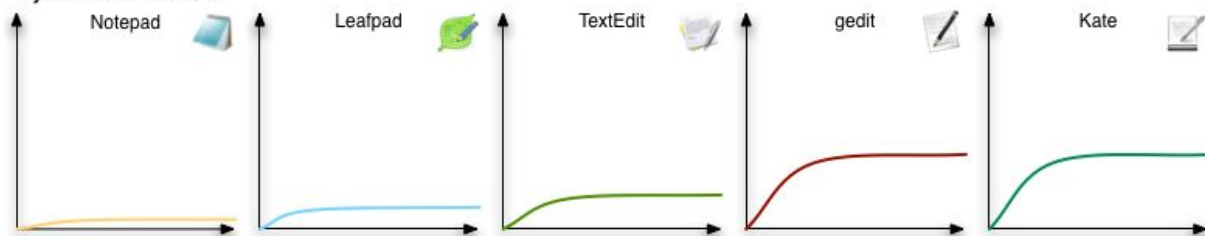
edited Nov 3 '16 at 20:26

 Peter Mortensen 11.1k • 16 • 76 • 109

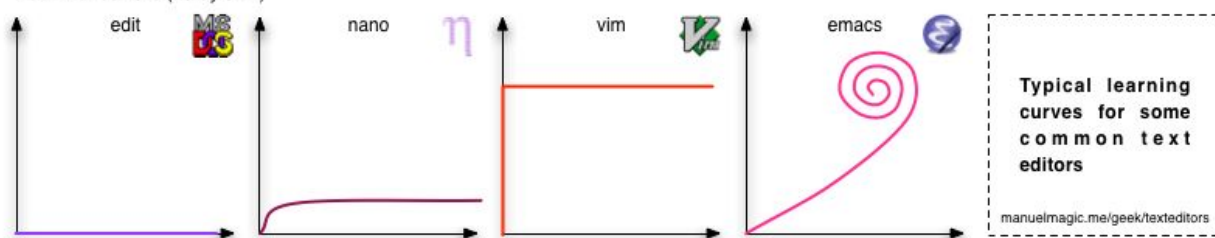
asked Aug 6 '12 at 12:25

 jclancy 6,784 • 5 • 17 • 26

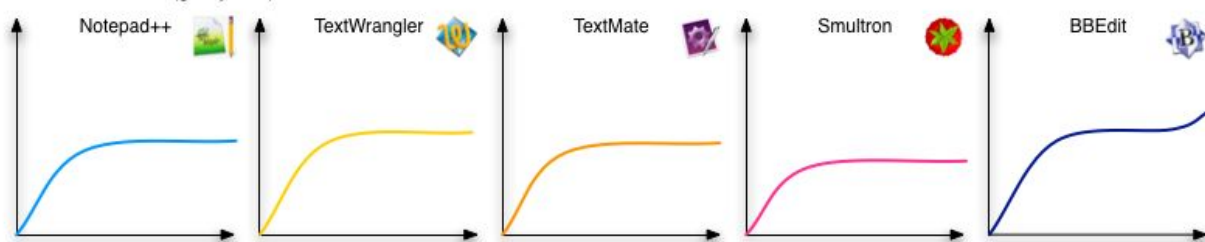
### System default editors



### Terminal editors (nerdy stuff)



### Freeware editors (geeky stuff)

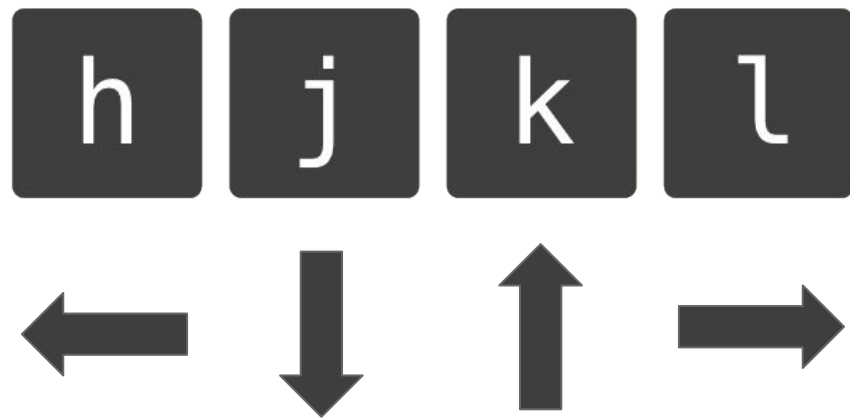


# 2.

## **Come si esce?**

Vediamo i comandi base.

:wq



# Editor Modale

Un editor modale assegna differenti azioni ai tasti a seconda della modalità attiva.

# Modalità principali di VIM



## Normal

La modalità di default che permette di muoversi nel testo usando HJKL ed effettuare operazioni usando i comandi.

*ESC Escape*

## Insert

Modalità di inserimento del testo, qui tutti (o quasi) i tasti premuti verranno inseriti nel testo come caratteri.

*i Insert*

## Visual

Modalità in cui è possibile evidenziare il testo.

*v Visual*

# I comandi principali



## Movimento

w *Word*

b *Back*

e *End*

0 *Inizio riga*

^ *Primo carattere*

\$ *Fine riga*

## Operatore

d *Delete*

c *Change*

y *Yank*

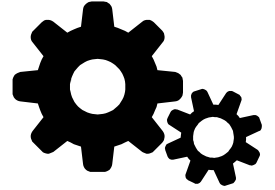
p *Paste*

u *Undo*

x *Cancella carattere*



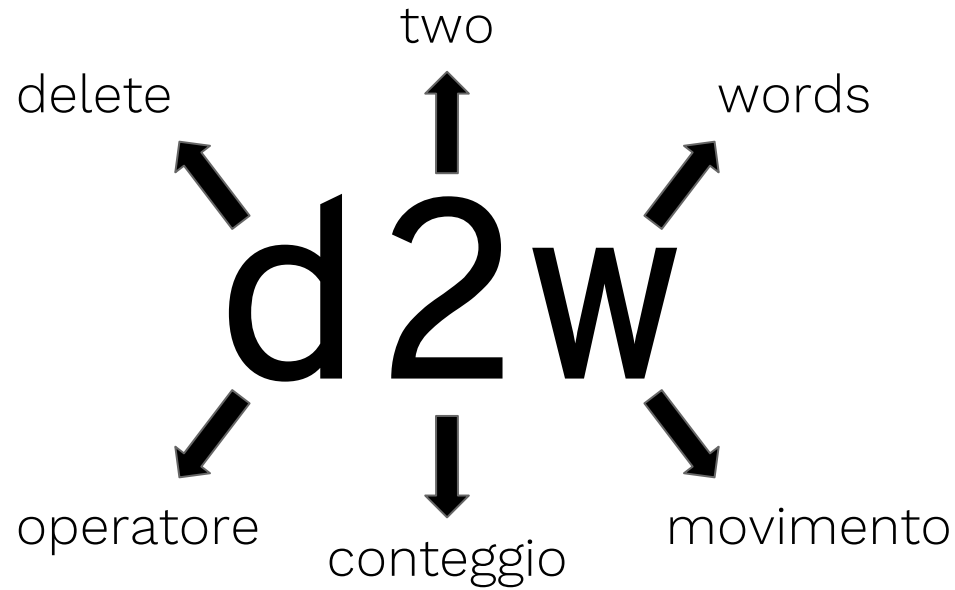
# Movimento e conteggio



b

W

3W



# 3.

## **Esempi più avanzati**

Passiamo a qualcosa di più avanzato  
ma efficiente.



# Sostituzioni

Possiamo usare le regular expressions per trovare una stringa e sostituirla con un'altra.

```
:s/[mM]ario/Marco/
```



# Registri

Salviamo una porzione di testo in un registro per poterla riutilizzare dopo.

“x Registro

“xyw Copia la parola nel registro

“xp Incolla la parola dal registro



# Find/To

$f x$  *Find*  $x$

Trova la  $x$  più vicina nella linea corrente.

$t x$  *To*  $x$

Sposta il cursore alla  $x$  più vicina nella linea corrente.



# Macro

Salva una sequenza di azioni e ripetila con un solo comando.

*qx Registra la macro in x*

*@x Esegui la macro x*

# 4.

## **Estendibilità**

Vediamo la configurazione e i plugin





# Plugin

- `vim-plug`
- `NerdTREE`
- `fzf.vim`
- `YouCompleteMe`

fzf.vim

# FZF.vim Commands

*DEMO*

YouCompleteMe

```
10     is_repe return [ID] eanField(default=False)
9     is_done reward [ID] ld(default=False)
8     points Reward [ID] d(default=0)
7     reward_name [ID]
6     @proper is_repeatable [ID]
5     def pos True [ID]
4     ret property [ID]
3     ForeignKey [ID]
2     def don CharField [ID]
1     if IntegerField [ID]
47     re
1     self.is_done = True
INSERT ? master action_reward/models.py[+] python
-- INSERT --
```

PHP/3/C/CoreBot.php

169 \* \@internal

170 \* brief Process an API method by taking method and parameter.

171 \* \details optionally create a object of \$class class name with the response as constructor param.

172 \* @param string \$method Method to call.

173 \* @param array \$param Parameter for the method.

174 \* @param string \$class Class name of the object to create using response.

175 \* @return mixed Response or object of \$class class name.

176 \*/

177 protected function processRequest(string \$method, string \$class = '', \$file = false)

178 {

179 \$url = "\$method?" . http\_build\_query(\$this->parameters);

180

181 // If there is a file to upload

182 if (\$file === false) {

183 \$response = \$this->execRequest(\$url);

184 } else {

185 \$response = \$this->execMultipartRequest(\$url);

186 }

187

188 if (\$response === false) {

189 return false;

190 }

191

192 if (\$class !== '') {

193 \$object\_class = "PhpBotFramework\Entities\\\$class";

194

195 return new \$object\_class(\$response);

196 }

197

198 return \$response;

199 }

NORMAL

PHP 3.0/dev

Projects/PhpBotFramework/src/Core/CoreBot.php

processRequest()

< php

utf-8[unix]

56%

179/319

18

W:25

1 Projects/PhpBotFramework/src/Core/CoreBot.php

1 warning| Class PhpBotFramework\Core\CoreBot was not found while trying to analyse it -

autoloading is probably not configured properly.

1 Projects/PhpBotFramework/src/Core/CoreBot.php

41 warning| The property \$api\_url is not named in camelCase.

2 Projects/PhpBotFramework/src/Core/CoreBot.php

41 warning| The property \$bot\_id is not named in camelCase.

3 Projects/PhpBotFramework/src/Core/CoreBot.php

41 warning| The property \$file is not named in camelCase.

4 Projects/PhpBotFramework/src/Core/CoreBot.php

41 warning| The property \$http is not named in camelCase.

5 Projects/PhpBotFramework/src/Core/CoreBot.php

41 warning| The property \$chat\_id is not named in camelCase.

6 Projects/PhpBotFramework/src/Core/CoreBot.php

119 warning| The parameter \$chat\_id is not named in camelCase.

7 Projects/PhpBotFramework/src/Core/CoreBot.php

119 warning| The variable \$chat\_id is not named in camelCase.

8 Projects/PhpBotFramework/src/Core/CoreBot.php

177 warning| The method processRequest has a boolean flag argument \$file, which is a certain sign

Press <F1>, ? for help

▼ PhpBotFramework : namespace

▼ Core : namespace

[use aliases]

BotException

InlineKeyboard

Logger

TelegramFile

▼ CoreBot : class

[variables]

\$\_api\_url

\$\_bot\_id

\$\_file

\$\_http

\$chat\_id

\$debug

\$parameters

[functions]

+\_construct(string \$token)

+apiRequest(string \$method, array

checkCurrentFile()

checkRequestError(\$response, str

execMultipartRequest(string \$url

execRequest(string \$url)

getBotID()

getChatID()

processRequest(string \$method, s

setChatID(\$chat\_id)

useChatId(\$chat\_id, \\closure \$c

withChatId(\$chat\_id, \$method,

# Grazie!



**Ci sono domande?**

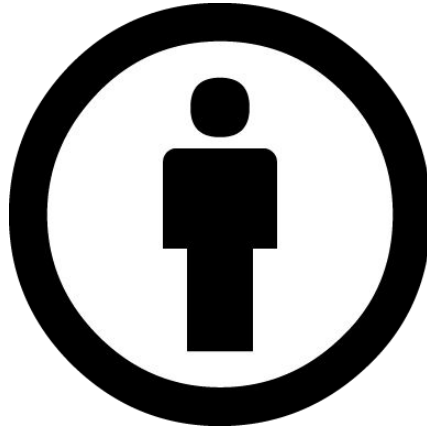
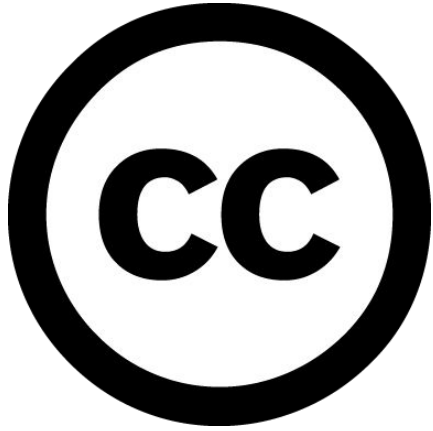
Potete trovarmi sul web:

- @danyspin97
- danyspin.ds@gmail.com



# Risorse

- Vim Doc -> [vimdoc.sourceforge.net](http://vimdoc.sourceforge.net)
- [learnvimscriptthehardway.stevelosh.com](http://learnvimscriptthehardway.stevelosh.com)
- Pratical Vim, Edit at the Speed of Thought
- VimCasts -> [vimcasts.org](http://vimcasts.org)
- Cheat sheet -> [github.com/cadenceone/vimcheatsheet](https://github.com/cadenceone/vimcheatsheet)



This work is licensed under the  
Attribution-ShareAlike 4.0 International  
(CC BY-SA 4.0)

# Cercasi volontario...

...per provare in prima persona il nostro  
editor di fiducia.