

Package Mangers



NYC Vim Meetup
May 21, 2019

For Discussion

- What comes with Vim?
- Open source solutions to the problem



[https://github.com/dcchuck/
vim-package-managers](https://github.com/dcchuck/vim-package-managers)

What is a
Package Manager?

Vim 8

- packages
 - One or more plugins stored in a directory
- jobs
 - Start processes & communicate with them



VIM – Vi IMproved

version 8.0.1453

by Bram Moolenaar et al.

Modified by pkg-vim-maintainers@lists.alioth.debian.org

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

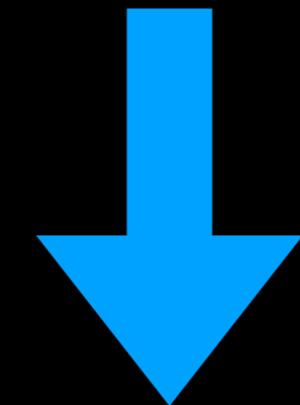
:set rtp?

runtimepath=~/vim,/var/lib/vim addons,/usr/share/vim/vimfiles,/usr/share/vim/vim80,/usr/share/vim/vimfiles/after,/var/lib/vim addons/after,~/vim/after

Press ENTER or type command to continue █



For Vim



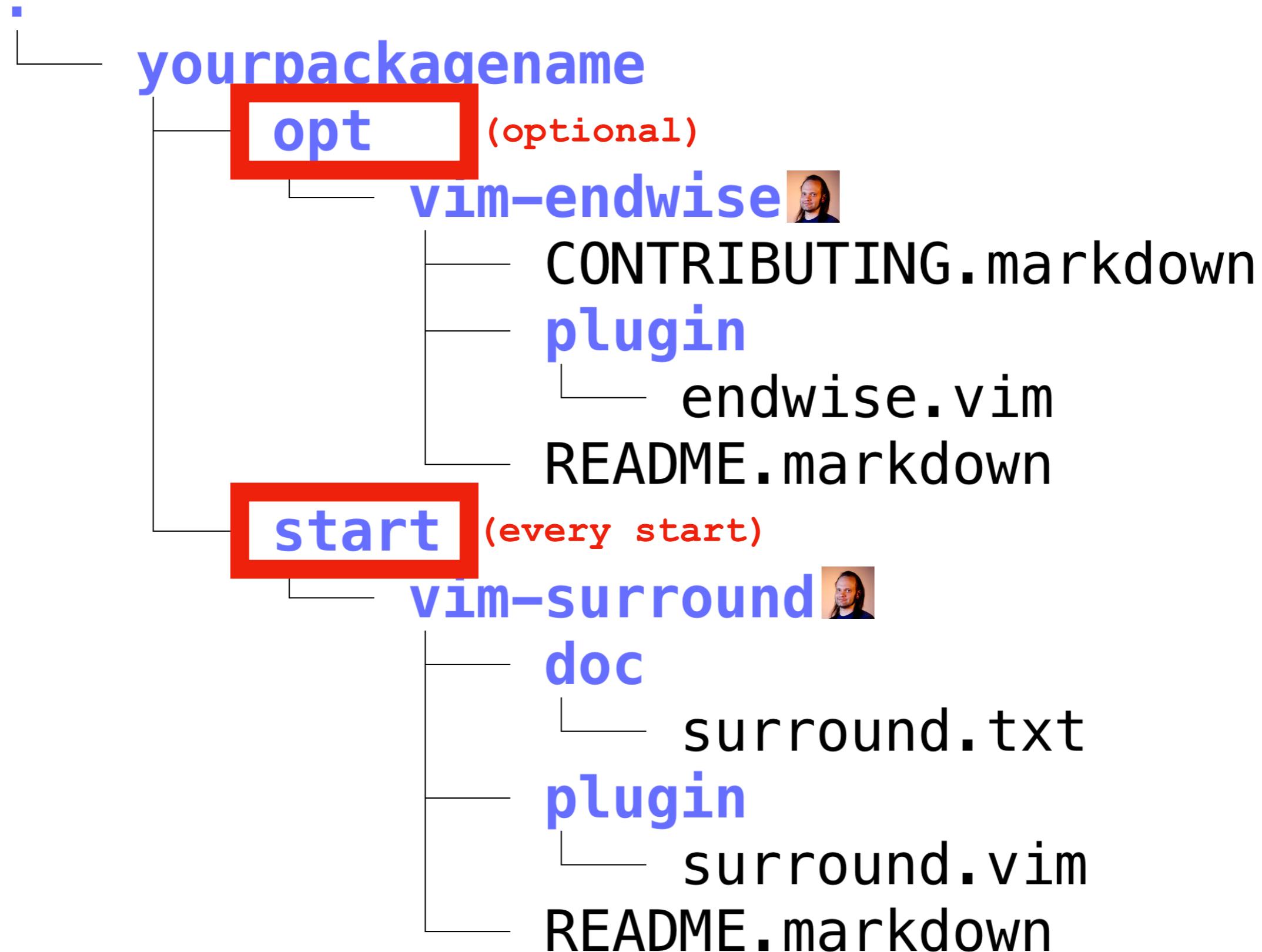
```
mkdir -p ~/.vim/pack/yourpackagename
```



For You



vagrant@vagrant:~/.vim/pack\$ tree



8 directories, 6 files



vagrant@vagrant:~\$

{

Code

Issues 19

Pull requests 7

Projects 0

Wiki

Insights

pathogen.vim: manage your runtimepath <http://www.vim.org/scripts/script.php...>

162 commits

1 branch

8 releases

15 contributors

Branch: master ▾

New pull request

Create new file

Upload files

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tlope Soften deprecation warning to dampen chicken little reaction

Latest commit e9fb091 on Dec 13, 2018



autoload

Avoid line continuations for 'compatible' interop

2 years ago



CONTRIBUTING.markdown

Fix confusing negative in contribution guidelines

a year ago



README.markdown

Soften deprecation warning to dampen chicken little reaction

5 months ago



README.markdown

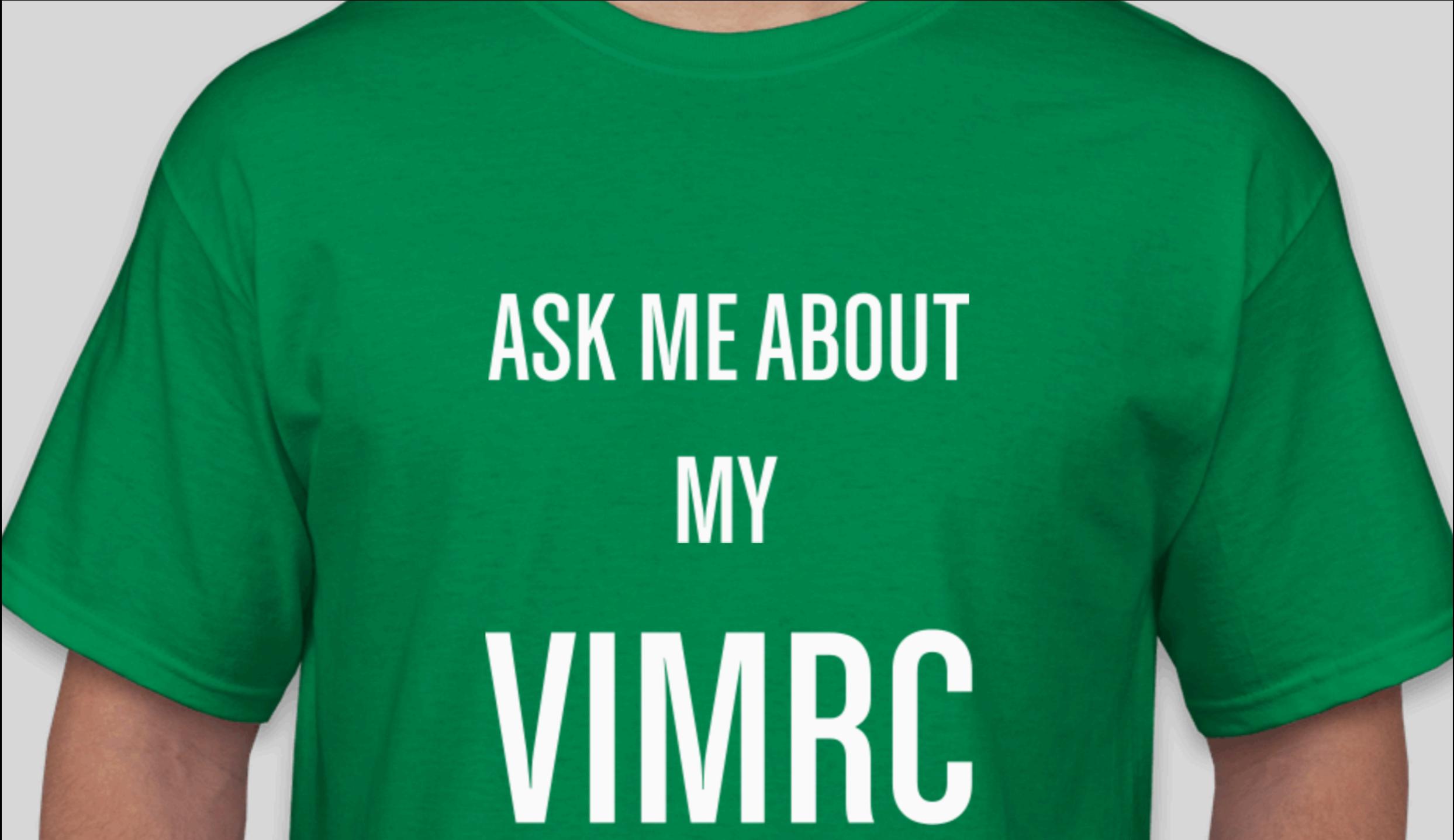
pathogen.vim

Manage your 'runtimepath' with ease. In practical terms, pathogen.vim makes it super easy to install plugins and

For new users, I recommend using Vim's built-in package management instead. [:help packages](#)

pathogen used to do this





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VIMRC

Vundle

 [VundleVim / Vundle.vim](#)

[Watch ▾](#) 726 [Star](#) 19,739 [Fork](#) 2,263

[Code](#) [Issues 144](#) [Pull requests 44](#) [Projects 0](#) [Wiki](#) [Insights](#)

Vundle, the plug-in manager for Vim <http://github.com/VundleVim/Vundle.Vim>

 627 commits  16 branches  10 releases  57 contributors  MIT

Branch: [master](#) ▾ [New pull request](#) [Create new file](#) [Upload files](#) [Find File](#) [Clone or download](#) ▾

File	Description	Time Ago
 autoload	Merge pull request #659 from nfischer/SilentMappings	4 years ago
 doc	Update repository references throughout documentation. Also, fixed an	4 years ago
 ftplugin	Add 'vundlelog' filetype + settings/highlighting	4 years ago
 syntax	Add 'vundlelog' filetype + settings/highlighting	4 years ago
 test	Update repository references throughout documentation. Also, fixed an	4 years ago
 .gitignore	ignore netrwhist file	6 years ago
 CONTRIBUTING.md	Update repository references throughout documentation. Also, fixed an	4 years ago
 LICENSE-MIT.txt	rename LICENSE.txt to LICENSE-MIT.txt	7 years ago
 README.md	Update README.md	2 years ago
 README_KR.md	Translate README into Korean	2 years ago
 README_ZH_CN.md	Fix misspellings in README_ZH_CN.md	a year ago
 README_ZH_TW.md	refine Chinese (Traditional) translations	3 years ago
 changelog.md	Correct new version in changelog.md	5 years ago

Latest commit 9a38216 on Feb 2, 2018



```
set nocompatible
filetype off

set rtp+=%~/.vim/bundle/Vundle.vim

call vundle#begin()

" Git repos (on/off github), local dirs, nested dirs
Plugin 'tpope/vim-surround'

call vundle#end()

filetype plugin indent on

" PluginList
" PluginInstall
" PluginSearch
" PluginClean
```





```
call plug#begin()
```

```
Plug 'tpope/vim-surround'
```

```
Plug 'tpope/vim-endwise', { 'for': 'ruby' }
```

```
call plug#end()
```

```
" PlugInstall
" PlugUpdate
" PlugClean
" PlugUpgrade
" PlugStatus
```



- Parallelized
 - jobs/python/ruby
- Lazy Loading
 - command(s) &/or filetype(s)
- Granular Controls
 - Filesystem, hooks, version locking



1

[1] [No Name] ?



minpac

k-takata / minpac

Code Issues Pull requests Projects Wiki Insights

A minimal package manager for Vim 8 (and Neovim)

vim vim-plugins plugin-manager

245 commits 6 branches 5 releases 6 contributors

Branch: master New pull request Create new file Upload files Find File Clone or download

File	Commit Message	Date
autoload/minpac	Use chdir() if available	13 days ago
doc	Support updating only tags (Issue #71)	3 months ago
plugin	Bump version to 2.0	9 months ago
test	Change the 'commit' option to 'rev'	9 months ago
tools	Support KaoriYa Vim 8.1	10 months ago
.gitignore	Change fileformat to unix	2 years ago
.travis.yml	travis: Use Ubuntu 14.04	2 years ago
README.md	Support updating only tags (Issue #71)	3 months ago
appveyor.yml	Support KaoriYa Vim 8.1	10 months ago



```
$ mkdir -p ~/.vim/pack/minpac/opt
```

```
packadd minpac
```

```
call minpac#init()
```

```
call minpac#add('tpope/vim-surround')
```

```
call minpac#add('tpope/vim-endwise', {'type': 'opt'})
```

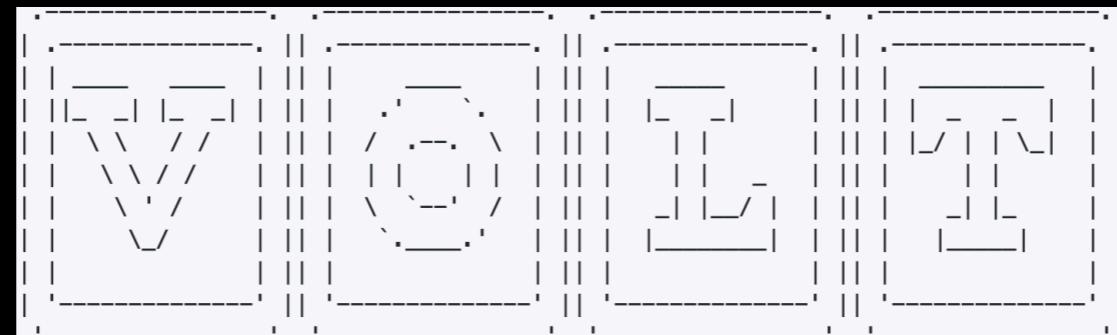
```
call minpac#add('k-takata/minpac', {'type': 'opt'})
```

```
"call minpac#update()
```

```
"updates are logged in messages
```

```
command! PackUpdate call minpac#update()
```

```
command! PackClean call minpac#clean()
```



vim-volt / volt

Watch ▾ 12

Star 99

Fork 13

Code

Issues 58

Pull requests 5

Projects 0

Wiki

Insights

A meta-level vim package manager

505 commits

5 branches

21 releases

10 contributors

View license

Branch: master ▾

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tyru Merge pull request #253 from vim-volt/devel ...

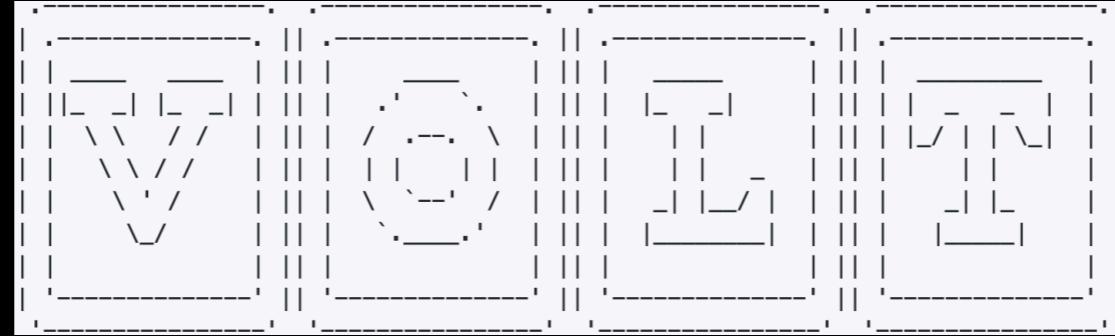
Latest commit b1c9efd 26 days ago

contrib/completion

Merge pull request #278 from hunfdule/subcmd_edit

26 days ago





- CLI for Vim Packages
- Plugconf
 - Conditional loading, dependencies
- Profiles

You missed some!

Thank
You !



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