

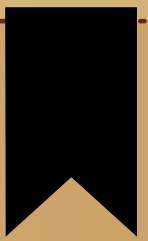
# Let's talk about neovim



Shougo (暗黒美夢王)



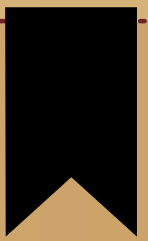
# Caution!



- This slide is in English.
- But the talk is in Japanese.
- **It is not any of official information.**
- **It is my personal thought and understanding. It may contain several mistakes.**
- **The presentation has spiritual topic, Battle Editors and Chuunibyou (中二病).**
- They are features.



# Self-introduction

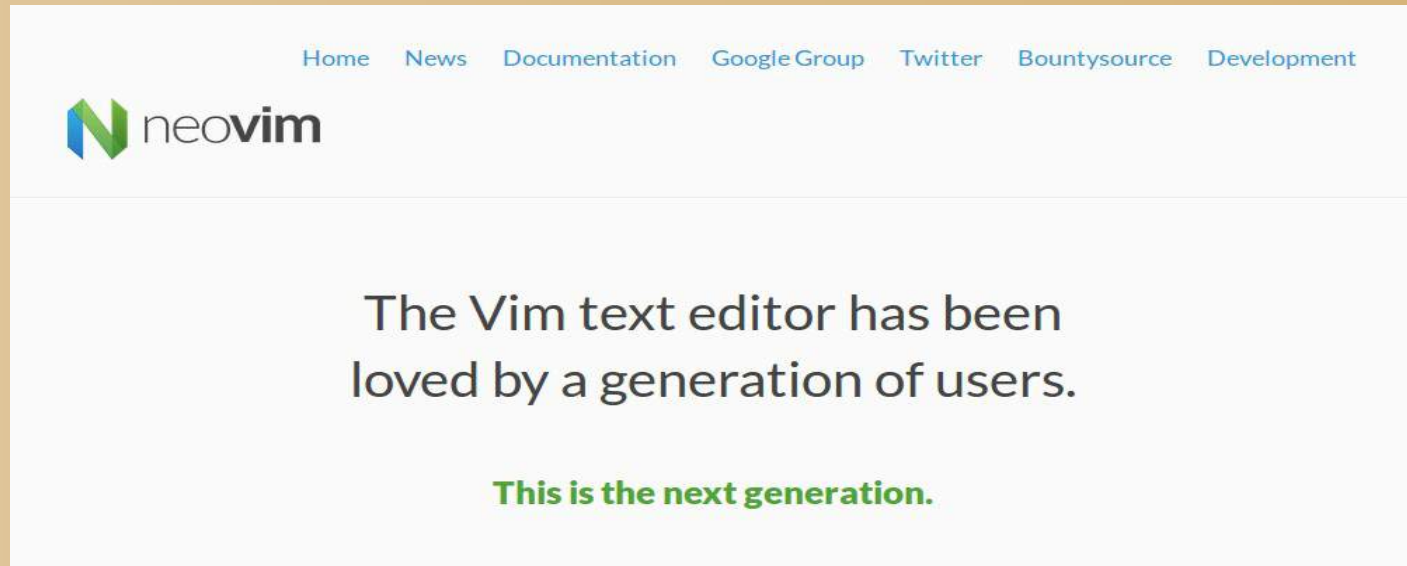


- Shougo
- I am called as “暗黒美夢王”. Pronouces it “Uncock Vim Awe”.
- Fufufu... my Vim is dark powered.
- I always think about Text Editors.
- I love Vim and Vim script.
- Experience of Vim: 8 years
- Experience of Vim script: 6 years



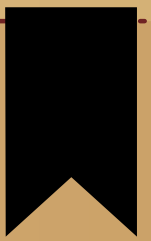
# What's neovim?(3 lines)

- It is forked Vim.
- It is developed in github instead of ML.
- It aims “Modern Vim”.



The screenshot shows the Neovim website homepage. At the top, there is a navigation menu with links for Home, News, Documentation, Google Group, Twitter, Bountysource, and Development. Below the menu is the Neovim logo, which consists of a stylized 'N' in blue and green followed by the text 'neovim'. The main content area features the text: 'The Vim text editor has been loved by a generation of users.' followed by the tagline 'This is the next generation.' in green.

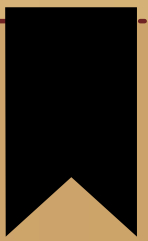
# Features(contains planned)



- Some features are removed(Ex: vi compatible mode, spellcheck, crypto, old platforms support).
- The source code is refactored.
- Asynchronous communication by MessagePackRPC.
- The developers can make plugins by multiple languages.
- Vim script remains to keep the compatibility.
- GUI feature will be implemented by MessagePackRPC.
- Can embed neovim in other applications.



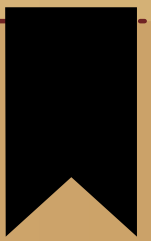
# Background



- 20 years later, Vim users have changed.
- There are two types of Vim users.
- **1: Light Vim users.** They use Vim as Text Editor.
  - Ex: System administrators, Vim developers, Embedded developers
- **2: Dark Vim users.** They use Vim as IDE or environment.
  - Ex: Plugin junkies, Plugin developers, Web developers
- Dark Vim users are increased. But many developers in vim\_dev are Light Vim users. Because they has enough Vim(C) skill.
- Dark Vim users sent some patches to vim\_dev, but it is not accepted.
- So, Dark Vim users(Mr.tarruda and the contributors) forked Vim => neovim



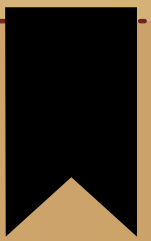
# Weak point



- Neovim is not 100% compatible with Vim.
- Less developers.
- They may decide wrong decision.
- Cannot merge from many upstream patches.
- No GUI yet.
- No `if_lua`, `if_ruby` yet(`if_python2` is available).



# Current upstream patches(in 11/06)

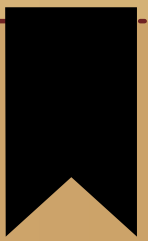


- Note: neovim is started in Vim 7.4.165.
- <http://neovim.org/doc/reports/vimpatch/>
- All patches: 507
- Merged: 321
- N/A(not needed): 84
- Pull requests are available: 22
- Patches are needed!: **80**

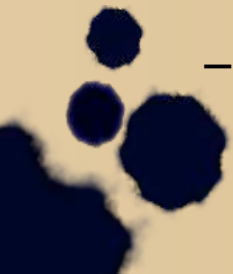




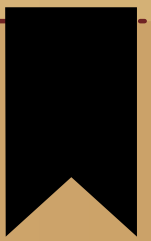
# Fork is not easy solution!



- Vim is developed actively(400 patches in 1 year).
- Forked project needs more developers power than original.
- Wins fork or original. Not both.
- Example: Chromium forked browser, Firefox forked browser, XEmacs
- Example2: <https://github.com/Floobits/vim>
  - It is `settimeout()` implementation fork, but it is not maintained.  
<https://github.com/Floobits/vim/issues/3>
  - They have developed neovim plugin.
  - <https://github.com/Floobits/floobits-neovim>



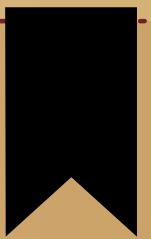
# My support for neovim



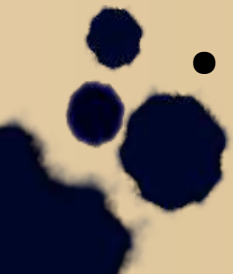
- Donated(both Vim and neovim).
- Watching issues, reddit, neovim, Web pages.
- Pull requested some of upstream patches.
- I will create next generation of completion plugin for neovim by Lua language...
- **It will be full asynchronous completion engine.**



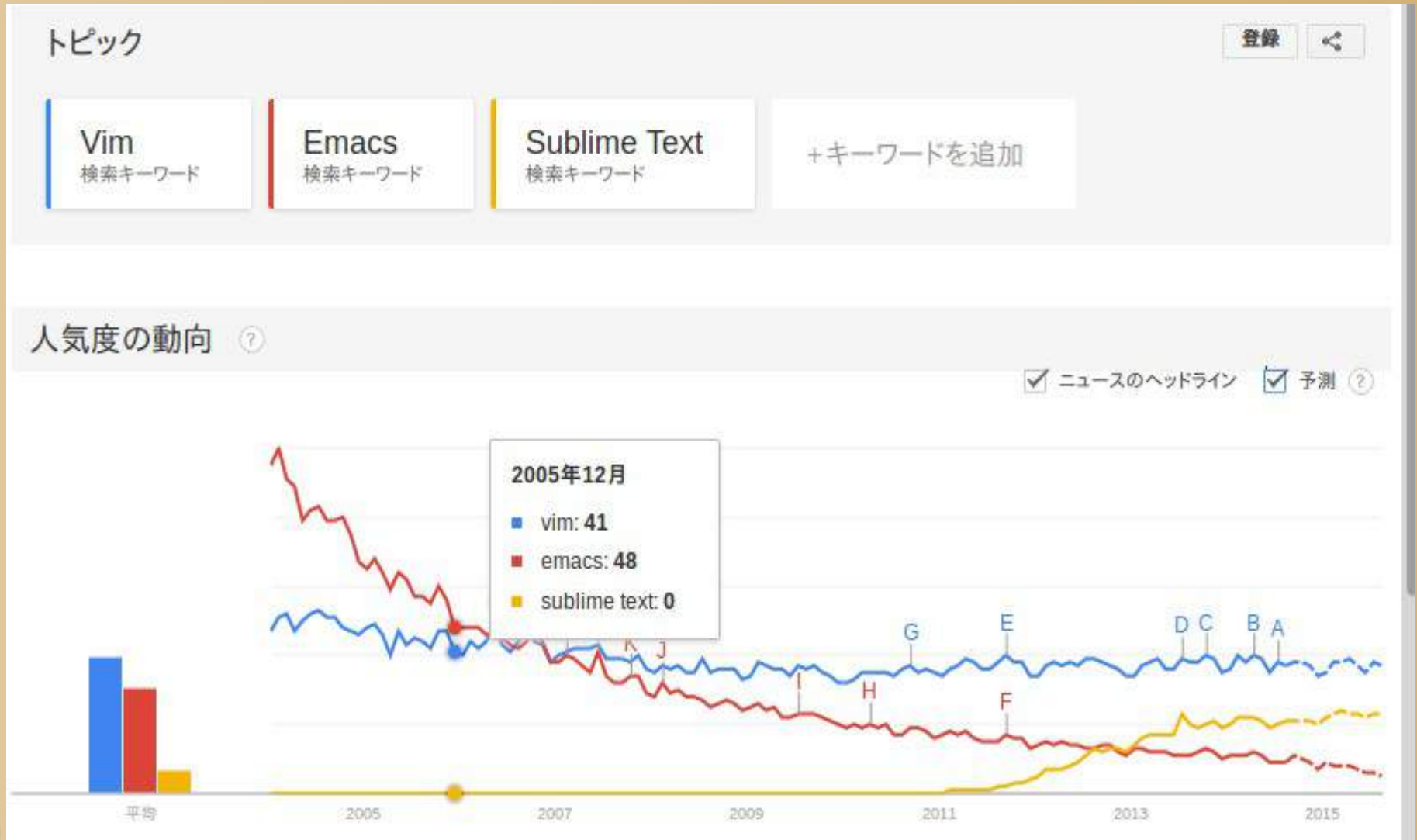
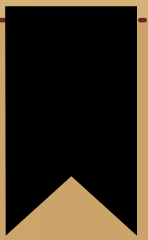
# Why do I support neovim?



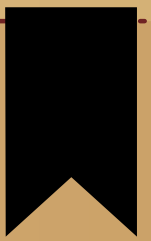
- Note: I am not 100% agree with neovim development.
- Many people are exciting(I have not seen negative opinions).
- Neovim may solve Vim problems.
- The competition of the development environments becomes hard(IDE, Atom, Sublime Text, etc).
- Emacs power is downed.
- I cannot be optimistic about Vim's future.



# Current Editor's trend



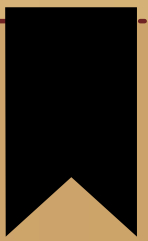
# Why does Vim users not decrease?



- I think Light Vim users are not grown.
- I think Dark Vim users are grown from other editors/IDEs.
- If the users disappointed at Vim, Vim power will be downed.



# Vim design policy



- :help design-not

VIM IS... NOT \*design-not\*

- Vim is not a shell or an Operating System. You will not be able to run a shell inside Vim or use it to control a debugger. This should work the other way around: Use Vim as a component from a shell or in an IDE.

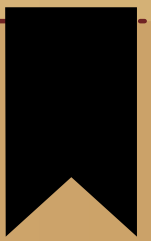
A satirical way to say this: "Unlike Emacs, Vim does not attempt to include everything but the kitchen sink, but some people say that you can clean one with it. ;-)"

To use Vim with gdb see: <http://www.agide.org> and <http://clewn.sf.net>.

- Vim is not a fancy GUI editor that tries to look nice at the cost of being less consistent over all platforms. But functional GUI features are welcomed.



# What's “the text editor”?



- Current text editors are like IDE.
  - Syntax check, Plugin manager, Auto completion, Asynchronous processes
- Vim is not the exception.
  - Scripting, QuickFix, Builtin completions, Tab, Preview window
- The definition of “the text editors” can be change.
- I think current editors are “configurable/pluggable/lite IDE” instead of traditional editors(example: vi, nano).



# Vim-jp and neovim

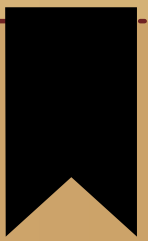
- <http://vim-jp.org/>
- Vim-jp is original Vim community in Japan.
- It combines Vim users and Vim plugin developers and Vim developers.
- github issues development.
- Patch review in github.
- High skilled Vim(C) Developers.
- I think it is similar to neovim.
- It is modern and traditional hybrid.
- I think Vim-jp developers can support neovim.



The screenshot shows the homepage of the vim-jp website. The main heading is "vim-jp » Vimのユーザーと開発者を結ぶコミュニティサイト". Below this, there is a news section with a red banner that says "NEWS: vim-users.jp の過去記事を掲載中!". The main content area features a large green and white logo of a stylized 'V' with a checkmark. To the right of the logo, there is a paragraph of text: "vim-jp はテキストエディタ Vim と日本・日本語に関わるあらゆるリソースを集約することを目的としたコミュニティです。" and "Vim と vim-jp についての詳細はコチラをご覧ください。". Below the text are social media icons for Google+, Twitter, and Bitbucket. The right sidebar contains several sections: "Vimを始めよう" with download buttons for Windows 32-bit, Windows 64-bit, and OS X; "日本語マニュアル" with a search box; "Issues" with a link to the issue tracker; "vimrc読書会" with a link to the reading club; and "vim-users.jp" at the bottom.



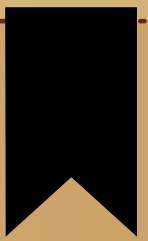
# Future next



- neovim Lua client(if\_lua) is under development.  
<https://github.com/neovim/lua-client>
- Neovim will release beta version in December....
- I think neovim limit time is until Vim 8.0(2015 summer?)



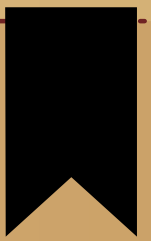
# Conclusion



- Do you look forward to neovim?
- Then, you should support neovim.
- Magic power is nothing in open source world.
- Neovim is not vaperware. But it is in just start line. It is not easy to continue the project like Vim.
- **My hope is coexistense with light Vimmers and dark Vimmers instead of exclusion.**



# Finally...



- I created new **parody** song for Vim conference 2014.
- The song name is “**Neo Edit it all**”.
- It is about “neovim”.
- Unfortunately, it is Japanese song.
- Are you ready?
- **Note: UST is not available.**

