Neovim as a web browser controller

VimConf 2018 Lightning Talk

by notomo

I'm notomo.

- web engineer
- love vim/neovim from 2016

I want to live 🏠 inside the terminal.

I want to live 🏠

inside the **text editor**.

I need a gui web browser. 🤔

Work with web browser

1. **work inside the terminal**
2. go to the web browser
3. go back to the terminal
4. repeat

🏠 😄

Work with web browser

1. work inside the terminal
2. **go to the web browser**
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🏢 •• 🚃 •••••• 🏠

Work with web browser

1. work inside the terminal
2. go to the web browser
3. **go back to the terminal**
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🏢 •••••• 🚃 •• 🏠

Work with web browser

1. work inside the terminal
2. go to the web browser
3. go back to the terminal
4. **repeat**

😣

Work with web browser

1. work inside the terminal
2. ~~go to the web browser~~
2. **control the web browser by neovim**
3. repeat

💡 💡 💡

🎉 ctrlb.nvim 🎉

Ctrlb Command

```
:Ctrlb {method} [-{param}={value}
:Ctrlb tab/open -url=https://examp
:Ctrlb tab/reload
:Ctrlb tab/scroll/toBottom
```

Plugin buffers 📝

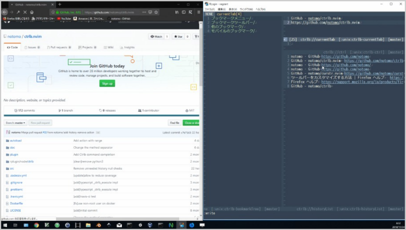
They enable to control resources.

```
:CtrlbOpen {bufferName}
:CtrlbOpen bookmarkTree
:CtrlbOpen currentTab
:CtrlbOpen ctrl
:CtrlbOpen historyList
```

ctrl buffer ❓

= Free key mappings buffer

```
nnoremap <buffer> h
\ :<C-u>Ctrlb tab/previous<CR>
nnoremap <buffer> l
\ :<C-u>Ctrlb tab/next<CR>
```



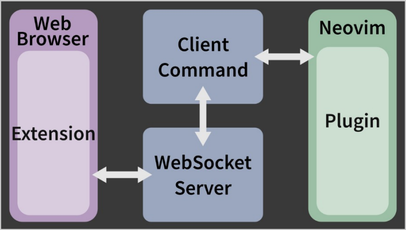
```
NONE  currentTab[4]
ブックマークメニュー/
ブックマークツールバー/
他のブックマーク/
モバイルのブックマーク/
```

```
GitHub - notomo/ctrlb.nvim
https://github.com/notomo/ctrlb.nvim

[25]  ctrlb://currentTab  [:unix:ctrlb-currentTab]  [master]

ctrlb://ctrl  [:unix:ctrlb-ctrl]  [master]
notomo - GitHub https://github.com/notomo
GitHub - notomo/ctrlb.nvim https://github.com/notomo/ctrlb
notomo - GitHub https://github.com/notomo/
notomo - GitHub https://github.com/notomo
GitHub - notomo/curstr.nvim https://github.com/notomo/curst
ツールバーをカスタマイズする方法 | Firefox ヘルプ https:/
Firefox ヘルプ https://support.mozilla.org/ja/products/fir
GitHub - notomo/ctrlb
```

Architecture



Web Browser

Extension

Client Command

WebSocket Server

Neovim

Plugin

Implementation

- Web Browser Extension = ctrlb
    - Typescript, Web Extension Api
    - https://github.com/notomo/ctrlb
- WebSocket Server & Client = wsxhub
    - Golang
    - https://github.com/notomo/wsxhub
- Neovim Plugin = ctrlb.nvim
    - Typescript, neovim/node-client
    - https://github.com/notomo/ctrlb.nvim

Demo

~~Fizz Buzz~~

Vim/Neovim by web browser tabs

❓

Vim

Neovim

Vim/Neovim

Thank you for listening
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