ThinLinc

7 October 2026

How to FOSS

Pierre Ossman
Long time FOSS contributor and maintainer

Get out your phones

Mentimeter

Who am I?

Pierre Ossman

Product owner, developer @ ThinLinc for Cendio

FOSS enthusiast since 30 years

Linux kernel, Mesa, Kodi, PulseAudio, rdesktop, TigerVNC, noVNC, …

Why should you FOSS?

It’s fun!

It’s social!

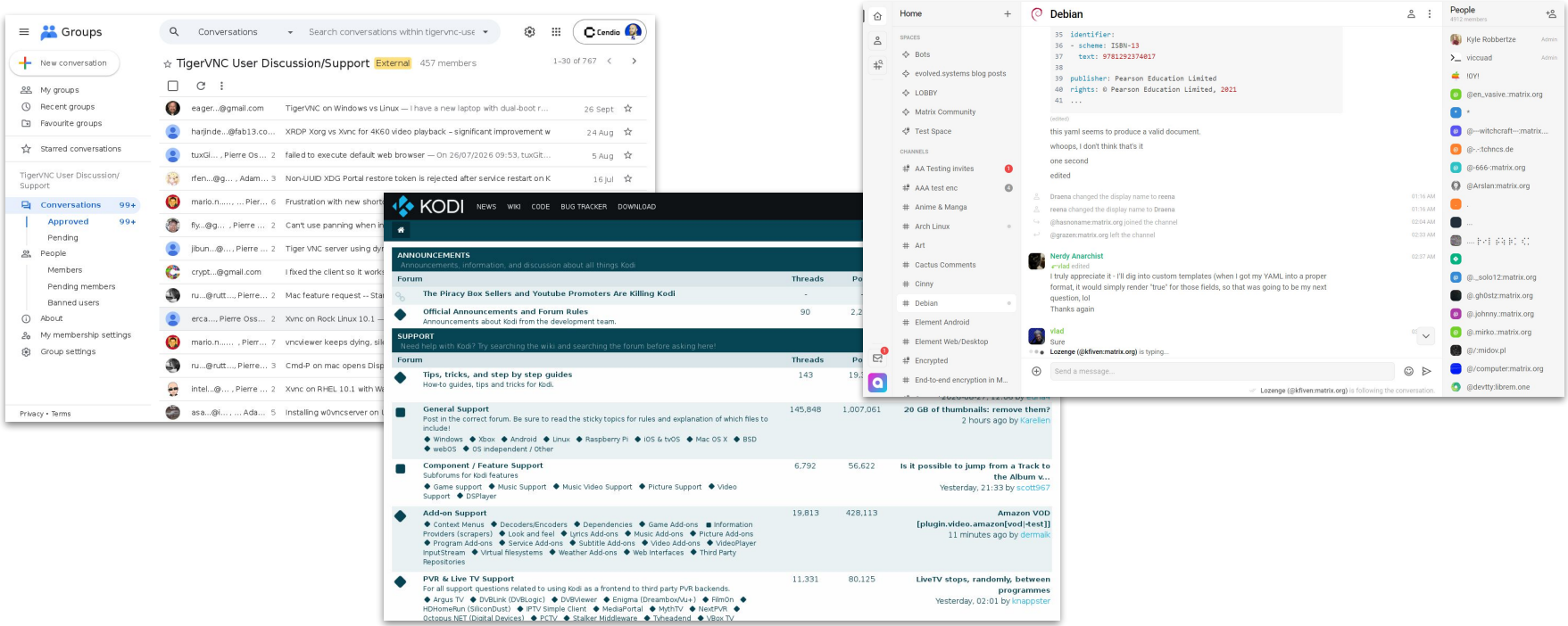
Knowledge!

Your resume

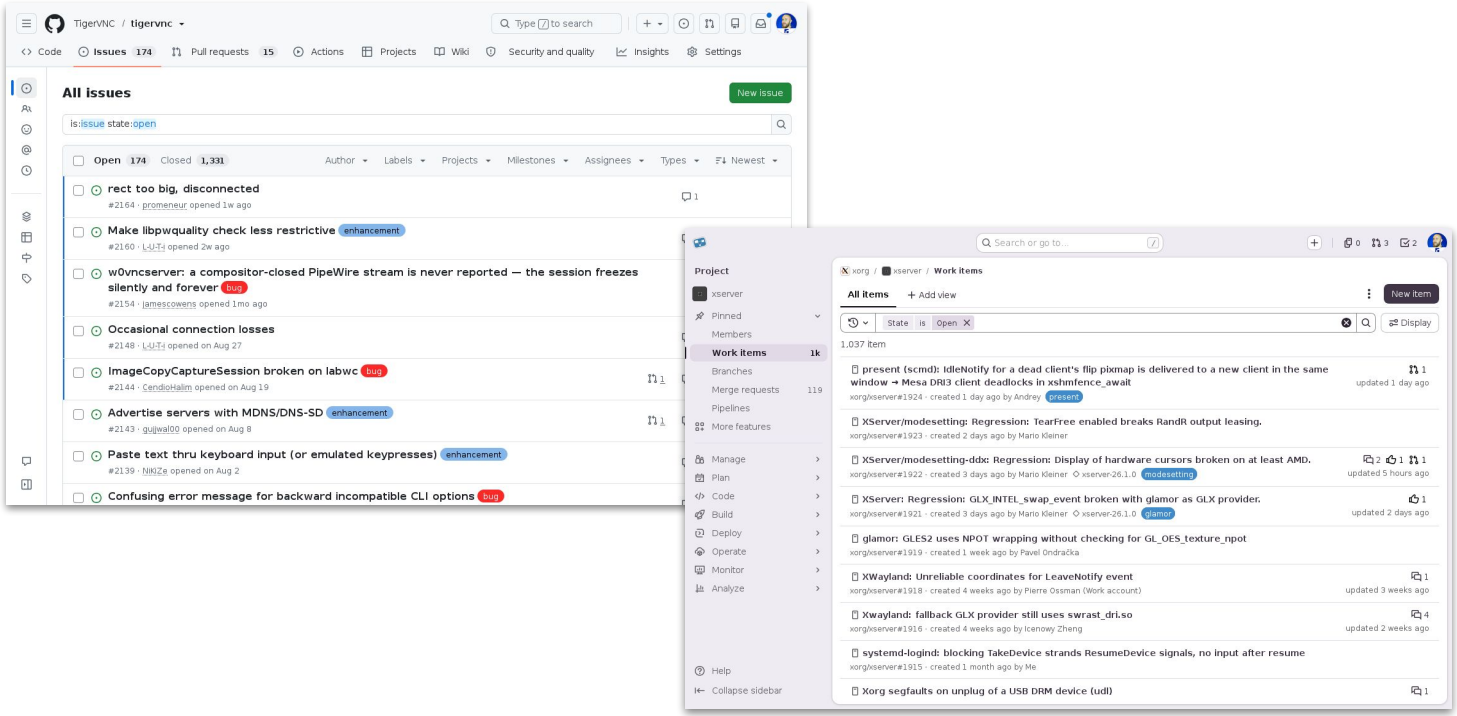
Mentimeter

Not just code

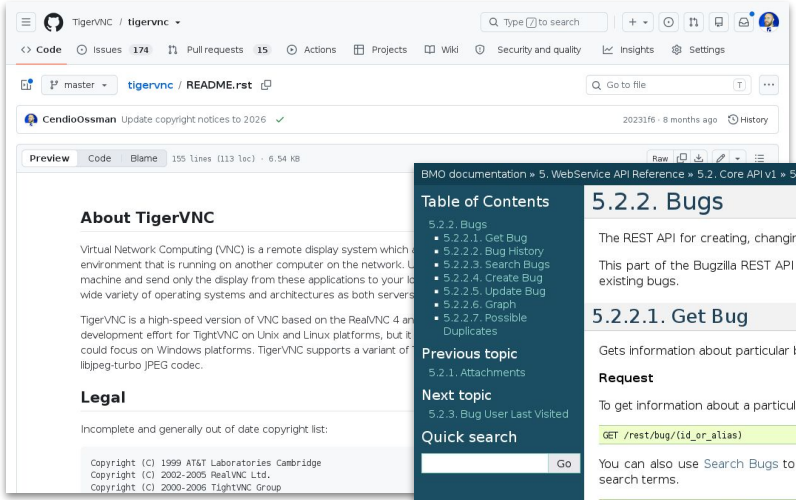
Helping other users

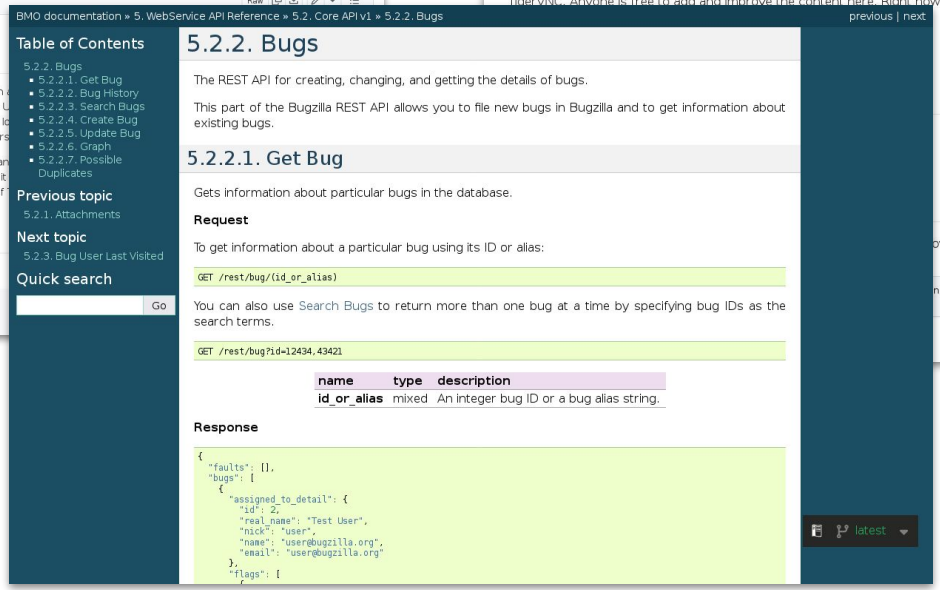


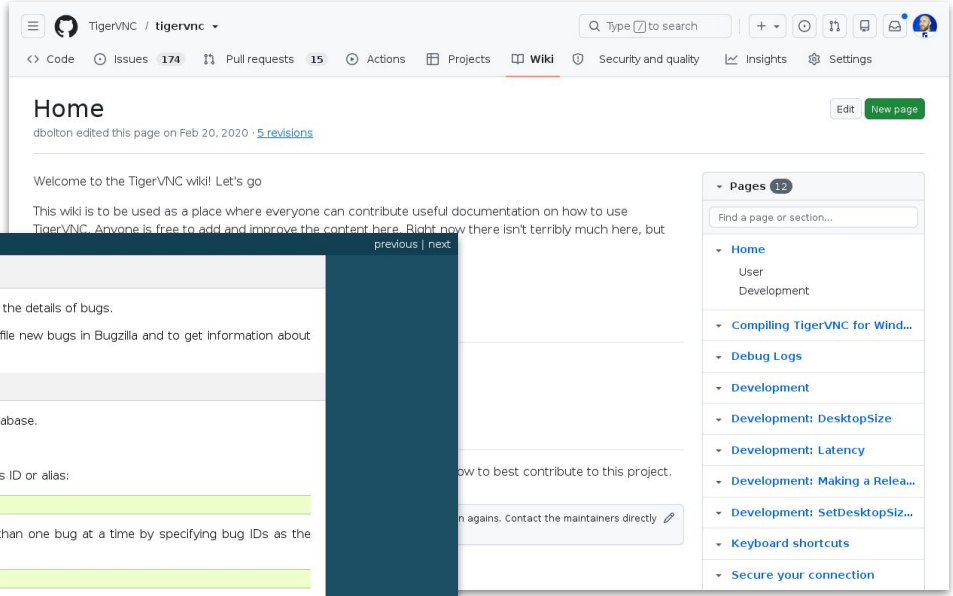
Triaging issues



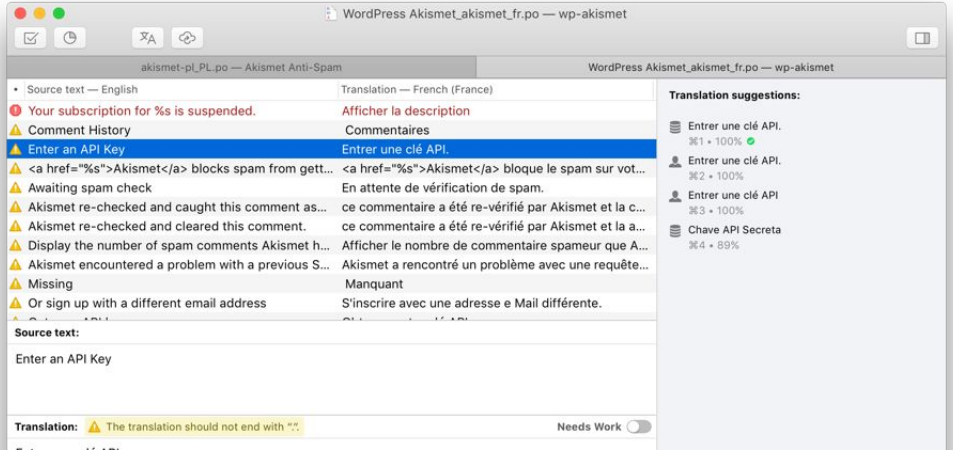
Documentation

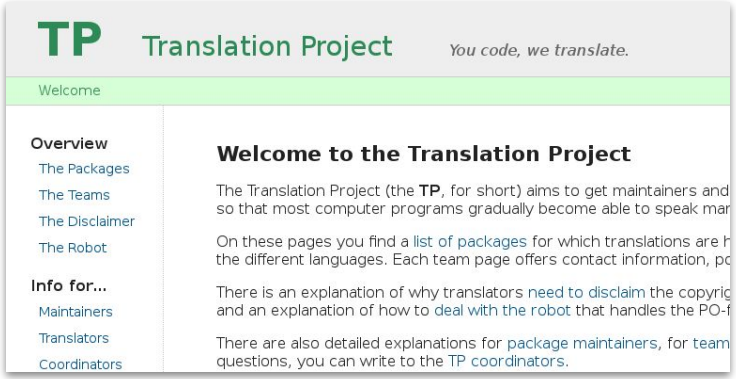




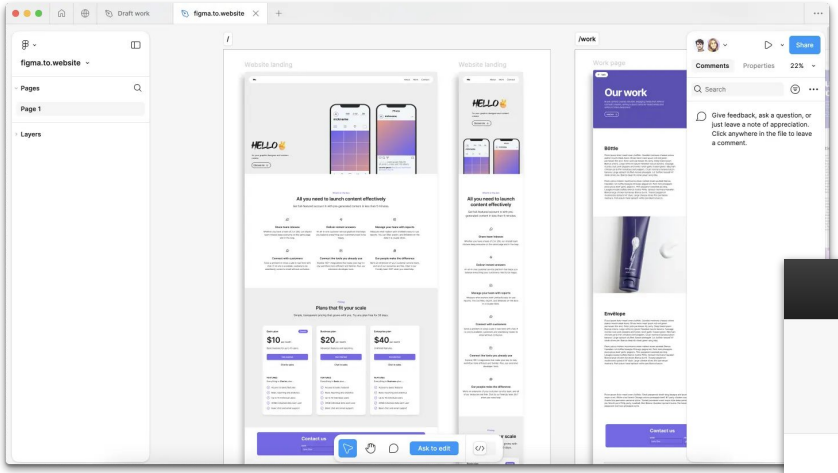


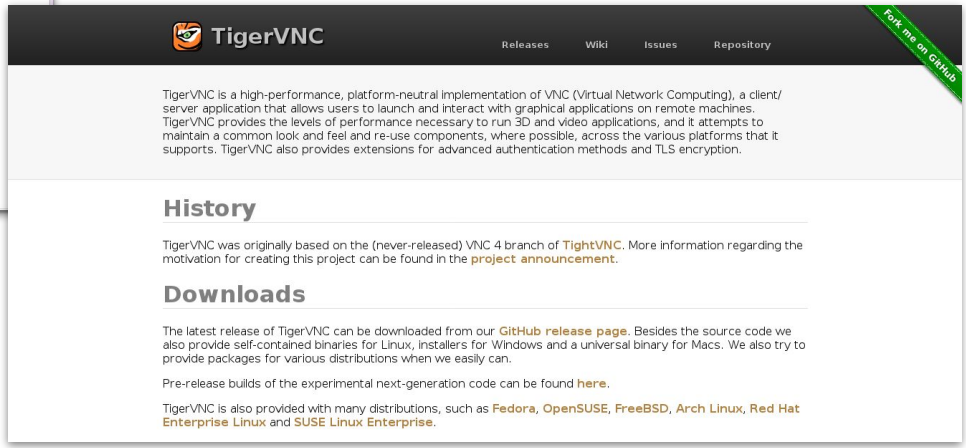
Translations





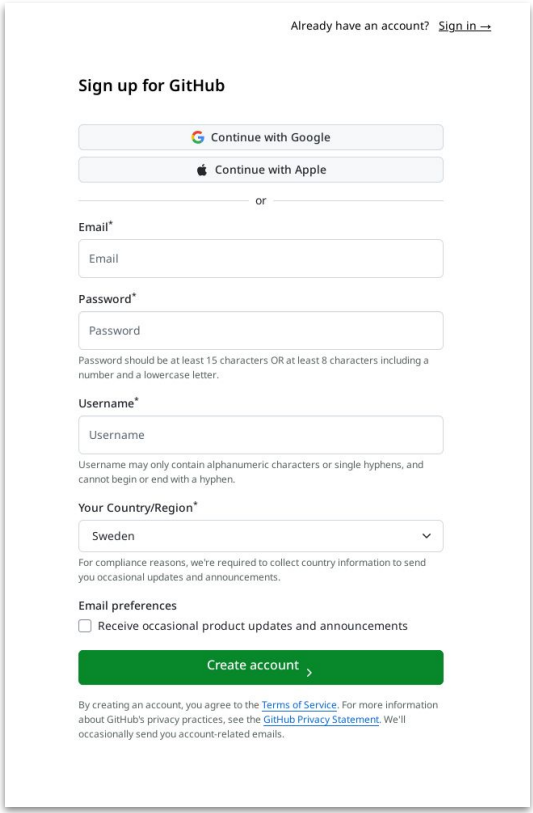
Graphics and design

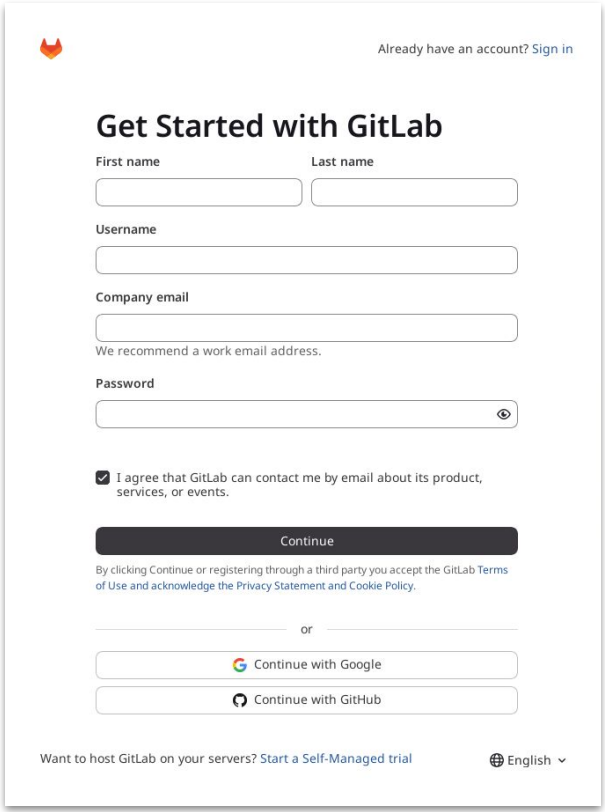


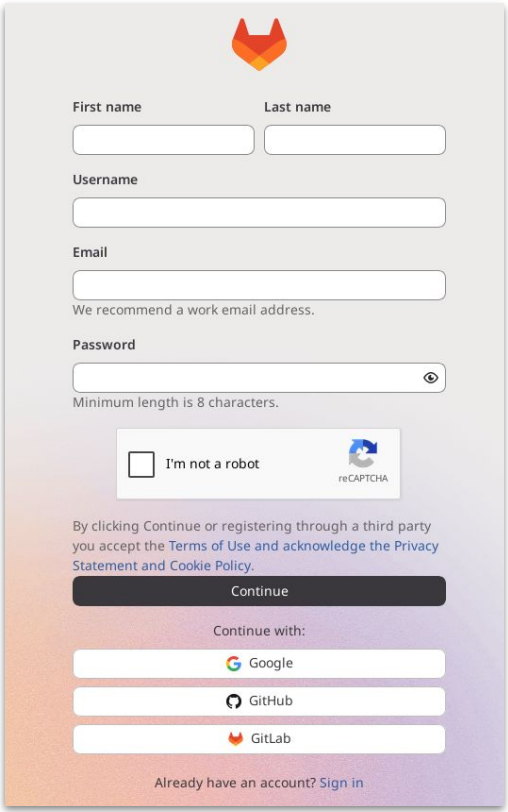


Getting started

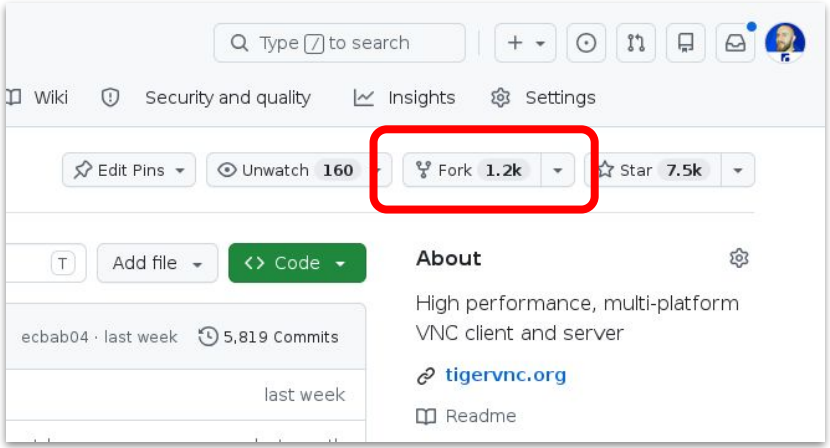
Create account(s)

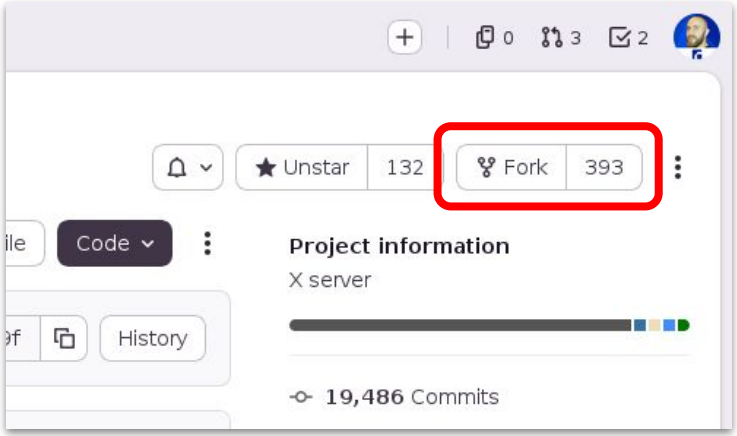




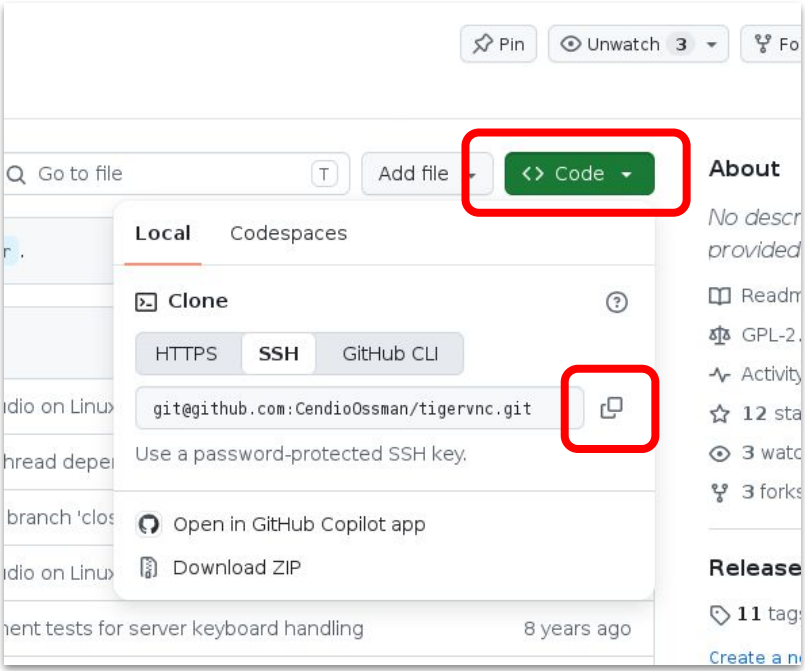


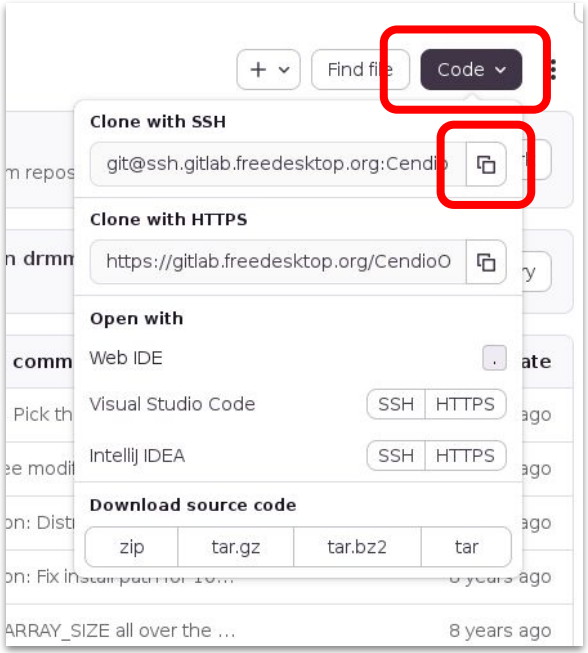
Fork the repository





Clone the repository






```
$ git clone git@github.com:CendioOssman/tigervnc.git
```

Create feature branch

```
$ cd tigervnc

$ git switch --create fix-foo-bug
```

Hack / Test / Repeat

```
$ vim / emacs / code src/Foobar.cxx

$ git add

$ git commit
```

Push

```
$ git push

fatal: The current branch fix-foo-bug has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin fix-foo-bug

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
```

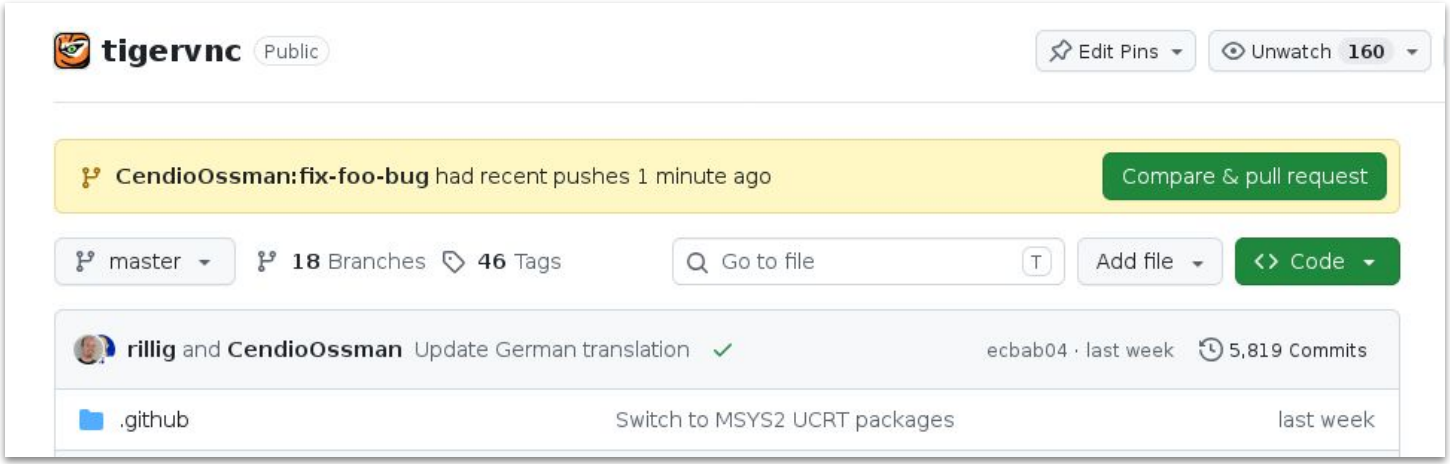
Push

```
$ git rebase -i master
```

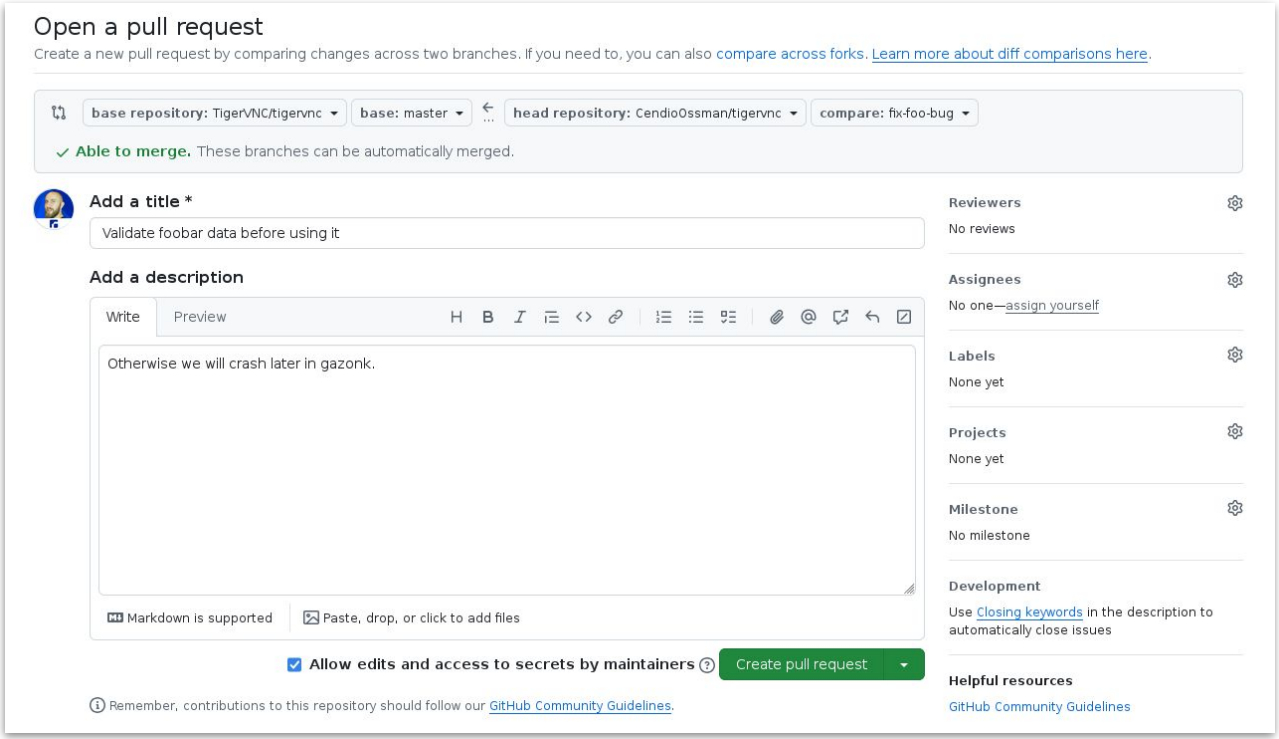
Push

```
$ git push --set-upstream origin fix-foo-bug

Enumerating objects: 5, done.
…
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'fix-foo-bug' on GitHub by visiting:
remote:      https://github.com/CendioOssman/tigervnc/pull/new/fix-foo-bug
remote:
To github.com:CendioOssman/tigervnc.git
 * [new branch]          fix-foo-bug -> fix-foo-bug
branch 'fix-foo-bug' set up to track 'origin/fix-foo-bug'.
```

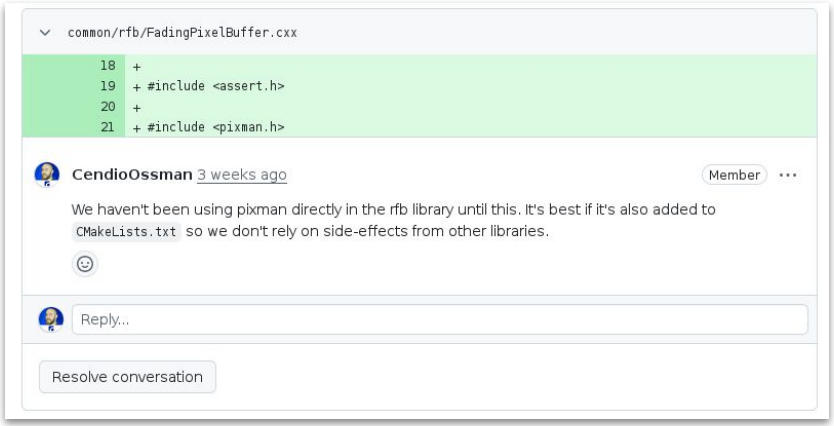
Create pull (merge) request

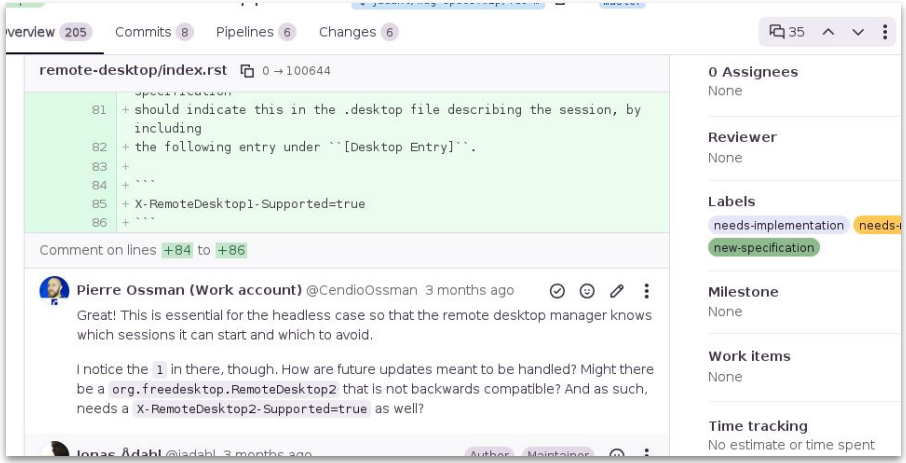


Create pull (merge) request



Review / Fix / Repeat





Review / Fix / Repeat

```
$ vim / emacs / code src/Foobar.cxx

$ git commit --fixup 4745ae34

$ git rebase -i master

$ git push --force
```

Celebrate!

Examples

https://github.com/novnc/noVNC/issues/1931

Certificate and key paths cannot have spaces in them #1859

Open

fabianhartmann2 opened on May 16, 2024

Describe the bug
As soon as I use the --cert --key as arguments and the path to the cert contains spaces, I get the following error.

/Library/websockify/websockify/websocket.py:31: UserWarning: no 'numpy' module, HyBi protocol will be slower
warnings.warn("no 'numpy' module, HyBi protocol will be slower")
Usage:
main.py [options] [source_addr:]source_port target_addr:target_port
main.py [options] --token-plugin=CLASS [source_addr:]source_port
main.py [options] --unix-target=FILE [source_addr:]source_port
main.py [options] [source_addr:]source_port -- WRAP_COMMAND_LINE

main.py: error: Error parsing listen port

Failed to start WebSockets proxy

https://github.com/novnc/noVNC/issues/1859

Meaningful exit codes from vncviewer #1008

Open

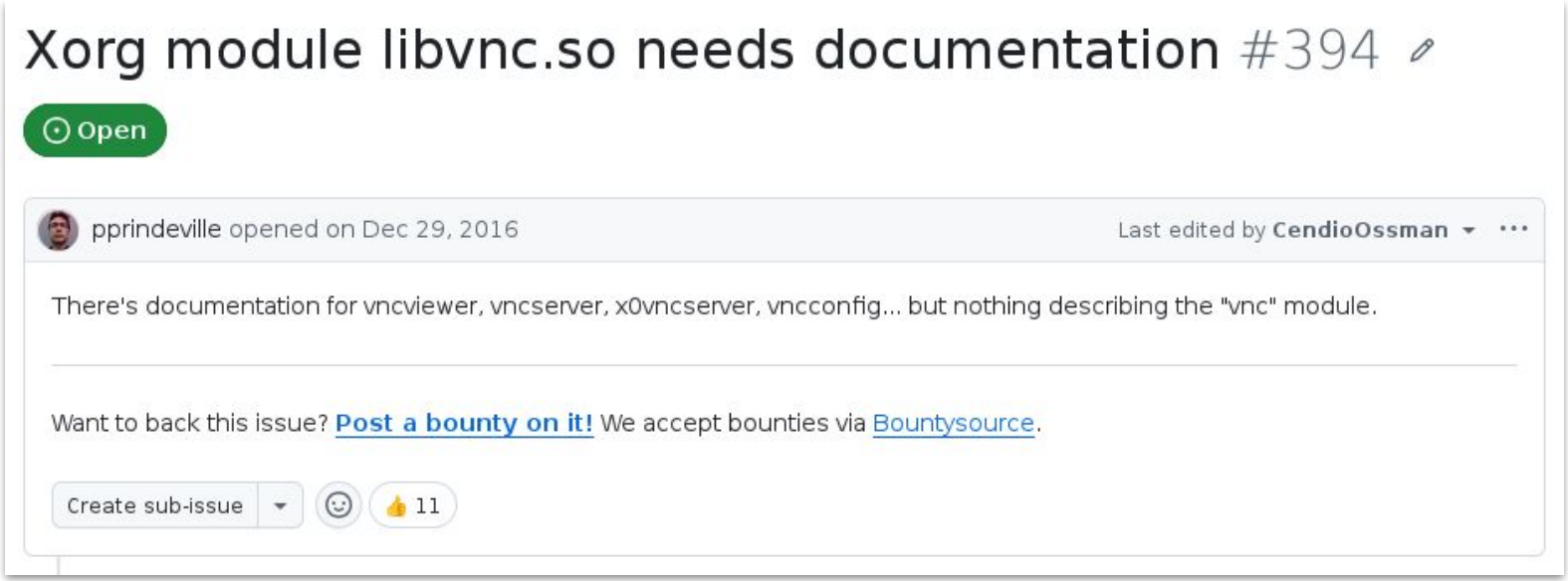
finefoot opened on May 1, 2020 — Last edited by CendioOssman

If there is no VNC server running on localhost and I still try to connect, I get the following output:

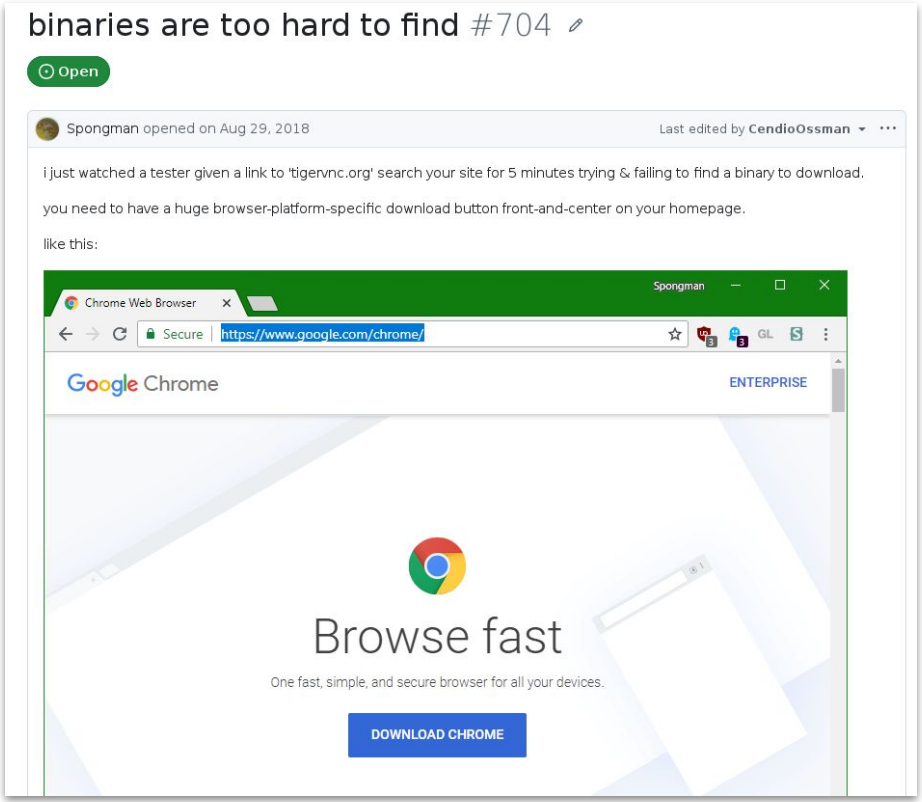
```
$ xtigervncviewer -AlertOnFatalError=0 localhost

TigerVNC Viewer 64-bit v1.9.0
Built on: 2020-01-23 18:03
Copyright (C) 1999-2018 TigerVNC Team and many others (see README.rst)
See http://www.tigervnc.org for information on TigerVNC.

Fri May  1 15:55:44 2020
 DecodeManager: Detected 4 CPU core(s)
 DecodeManager: Creating 4 decoder thread(s)
 CConn:       unable to create socket: Address family not supported by protocol
              (97)
$ echo $?
0
```

I would have expected a non-zero exit code.

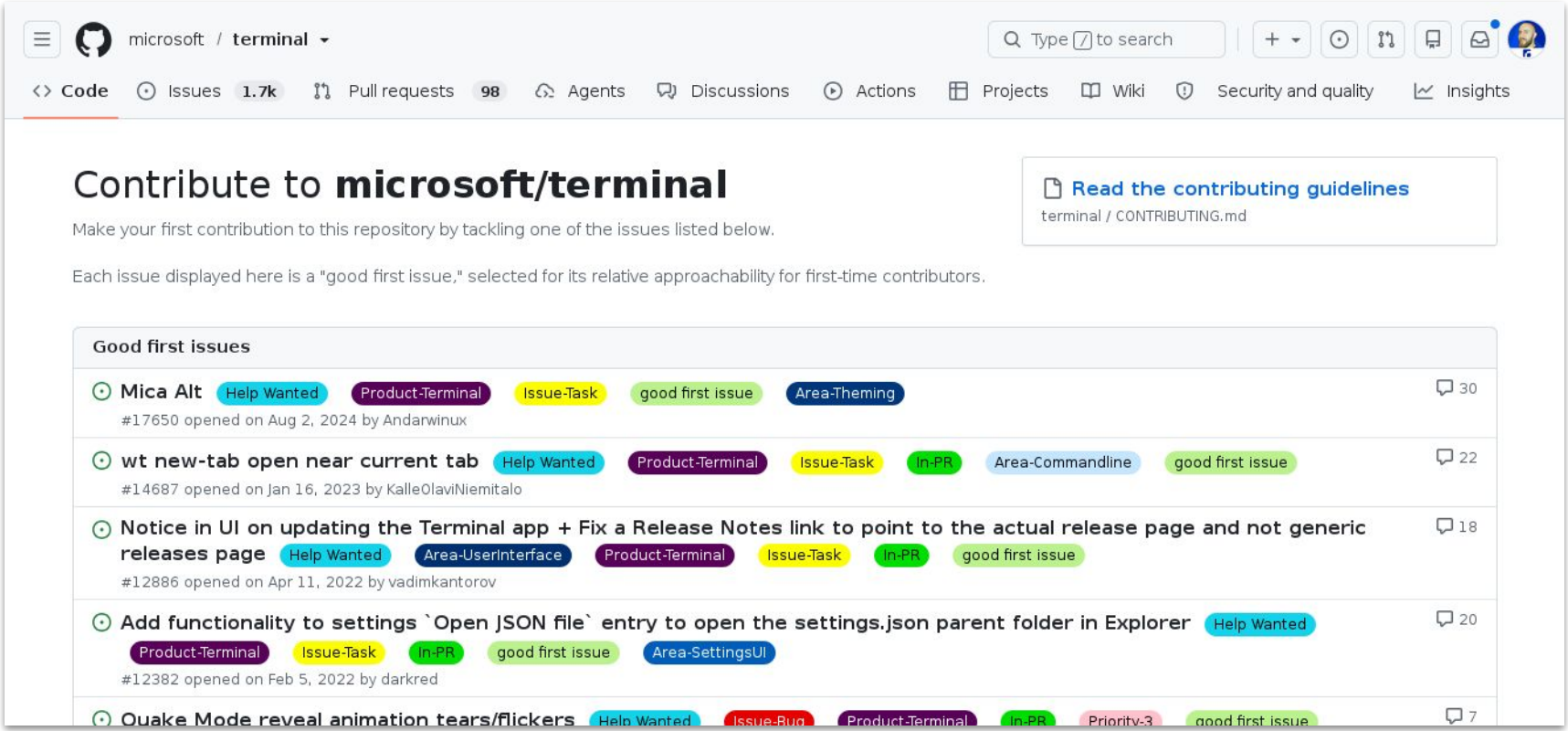
https://github.com/TigerVNC/tigervnc/issues/1008



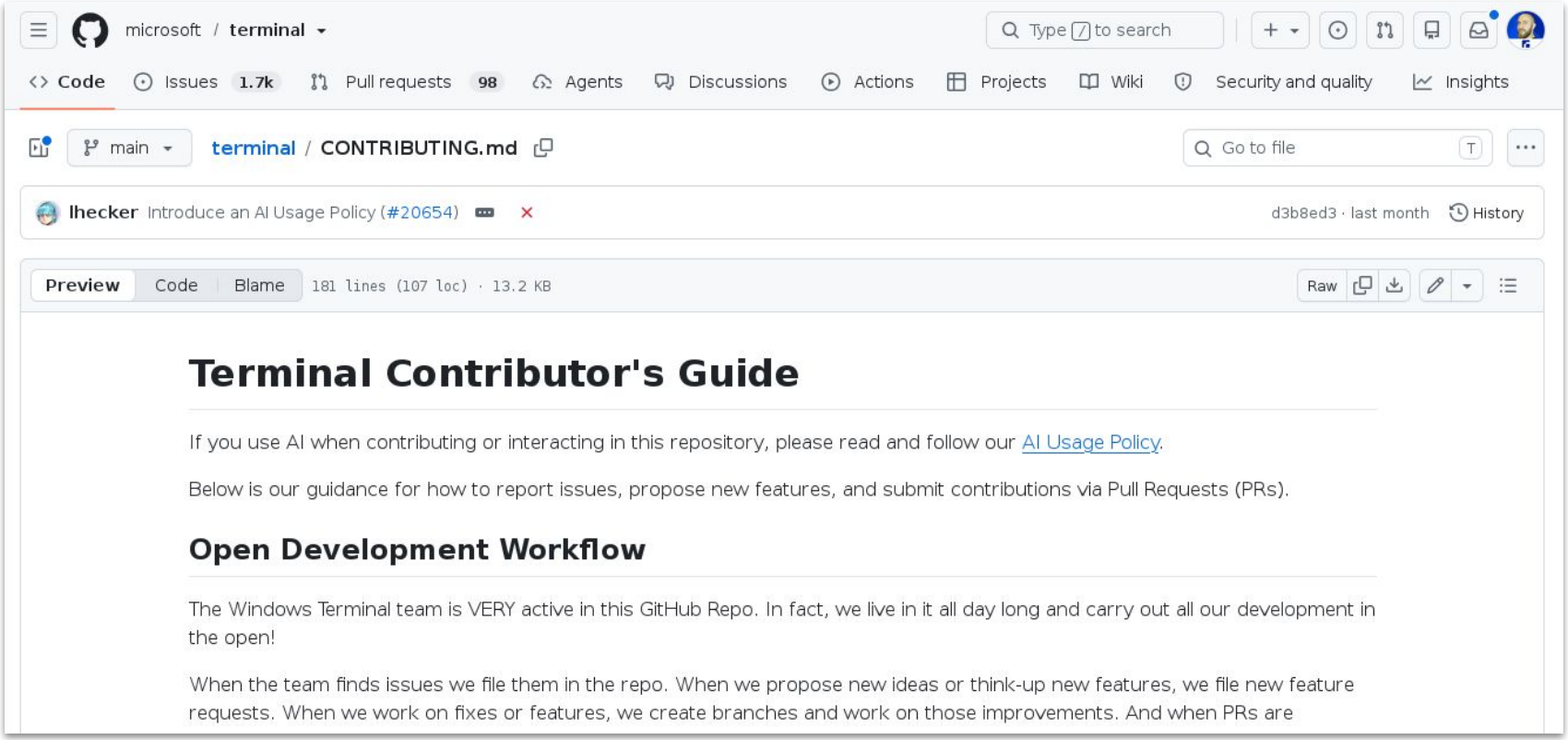
https://github.com/TigerVNC/tigervnc/issues/394



https://github.com/TigerVNC/tigervnc/issues/704

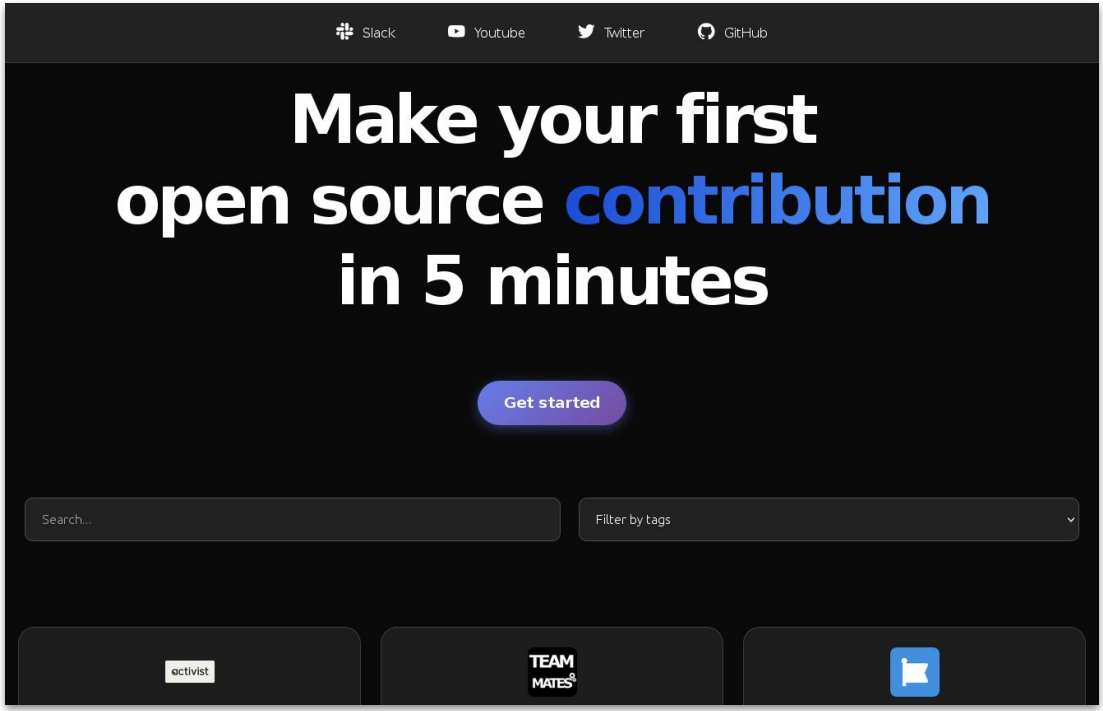


https://github.com/microsoft/terminal/contribute

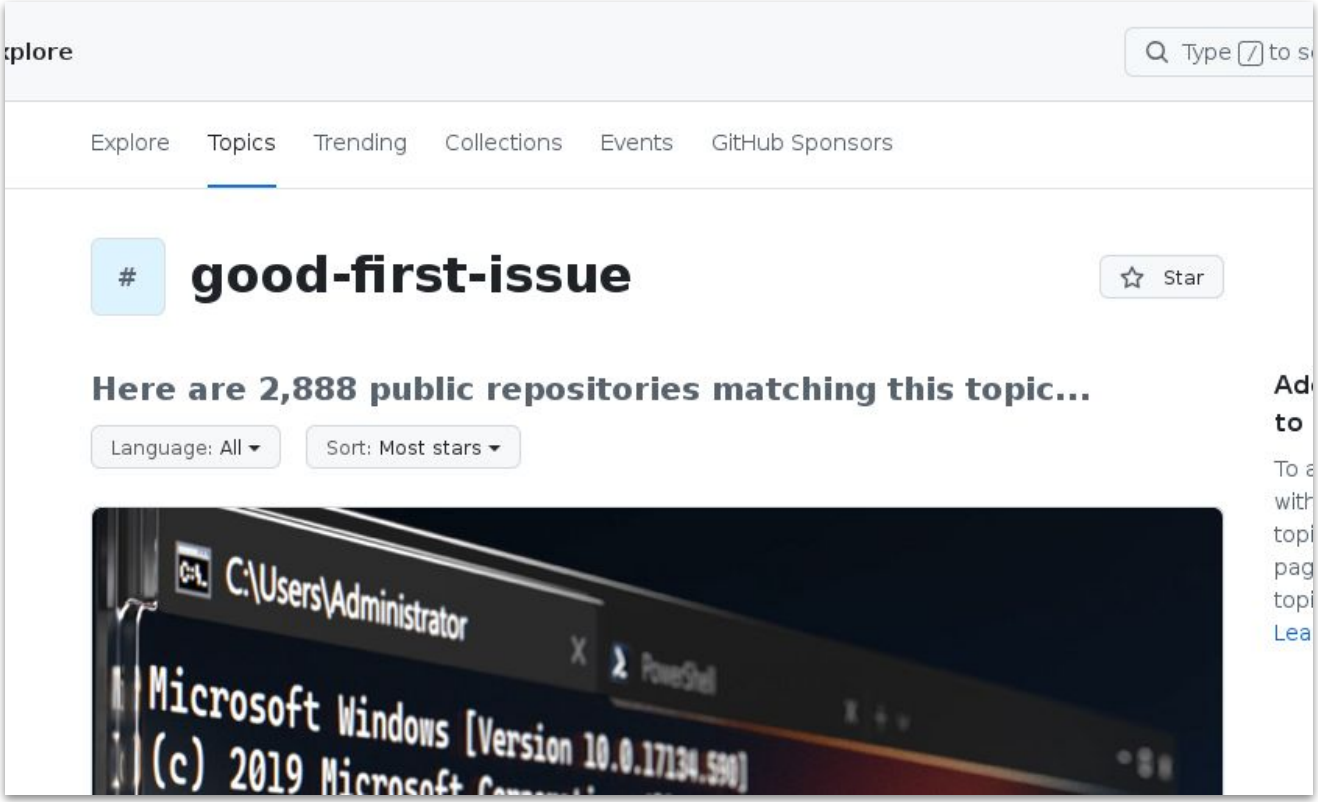


https://github.com/microsoft/terminal/blob/main/CONTRIBUTING.md

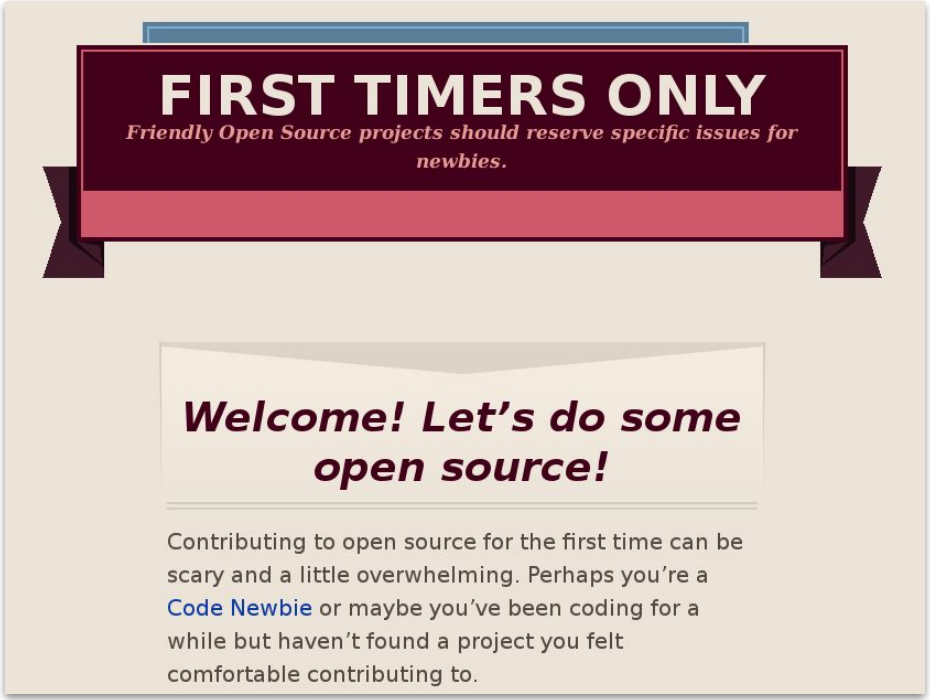
More information



https://firstcontributions.github.io/



https://github.com/topics/good-first-issue



https://www.firsttimersonly.com/

Questions?

ThinLinc

Thank you!

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