

Office Hours ++ (Git II)

Open Source Projects

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Examples?

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Programming Languages/Frameworks

- [Rust](#)
- [Swift](#)
- [React Native](#)

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Utilities

- [Tensorflow](#)

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Websites


- [C4CS](#)

Think Bigger...

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Linux

 This repository Search Pull requests Issues Marketplace Explore + 








 [torvalds / linux](#) Watch 6,120 Star 55,127 Fork 20,335

[Code](#) Pull requests 190 Projects 0 Insights

Linux kernel source tree

 736,337 commits  1 branch  544 releases  ∞ contributors  GPL-2.0

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

 torvalds Merge tag 'asoc-v4.16-5' of git://git.kernel.org/pub/scm/linux/kernel...	Latest commit 7590e37 5 minutes ago
 Documentation	Merge tag 'linux-watchdog-4.16-rc1' of git://www.linux-watchdog.org/l... 21 minutes ago
 LICENSES	LICENSES: Add MPL-1.1 license a month ago
 arch	Merge tag 'riscv-for-linus-4.16-merge_window' of git://git.kernel.org... 43 minutes ago
 block	Merge tag 'for-linus-20180204' of git://git.kernel.dk/linux-block 3 days ago
 certs	License cleanup: add SPDX GPL-2.0 license identifier to files with no... 3 months ago
 crypto	Merge branch 'linus' of git://git.kernel.org/pub/scm/linux/kernel/git... 7 days ago

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Software with source code made available to public

- Generally with a specific license

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Commonly associated with community driven development (enter Git)

- Git allows for easy collaboration
- Version control and release handling

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Allows customization of applications for wider usage

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Community Driven Development helps everyone using a piece of software

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- Learn new skills
- Community recognition
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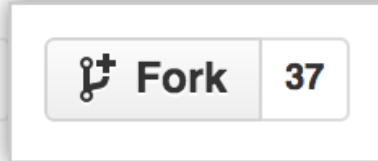
It's Fun!

There's a project for pretty much everything

Enough talking.
Let's do something cool.

How to contribute

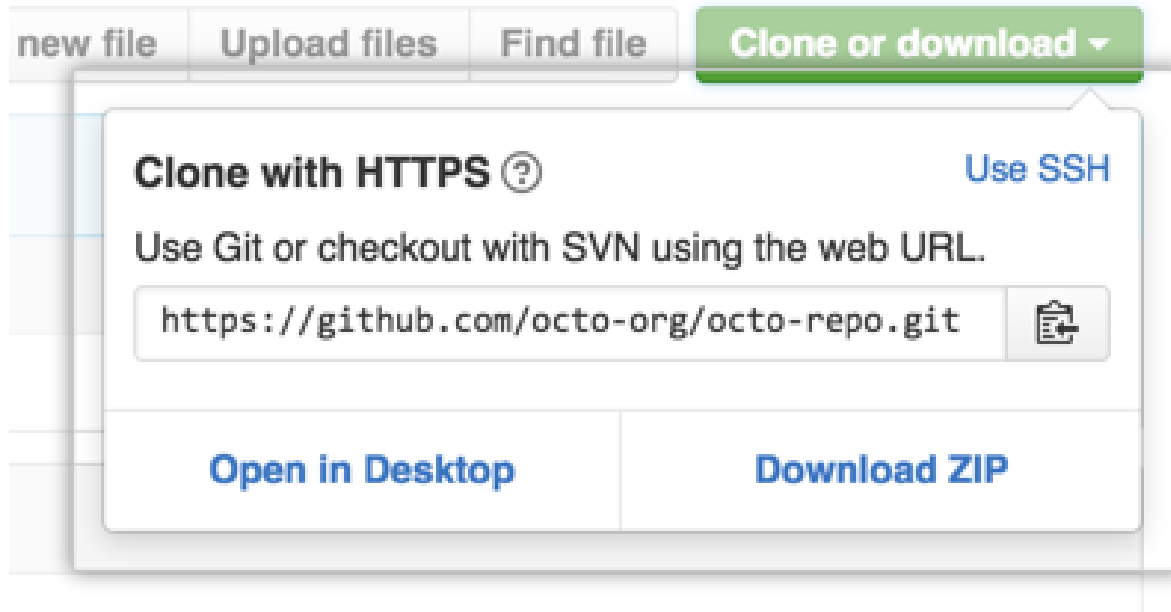
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How to contribute

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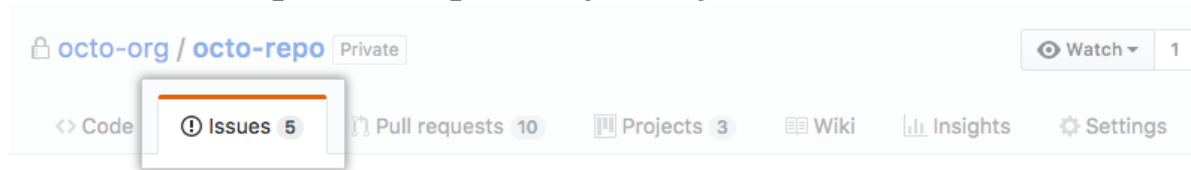
Use either HTTPS (more secure) or SSH (more convenient) [remote URL](#)



How to contribute

1. [Fork](#) the repository you want to contribute to
2. [Clone](#) your forked repository
3. [Create an issue](#)/take ownership of an existing issue

Do this in the parent repository, not your fork



How to contribute

1. [Fork](#) the repository you want to contribute to
2. [Clone](#) your forked repository
3. [Create an issue](#)/take ownership of an existing issue
4. Create a branch locally and setup environment

In the directory of your local repository:

```
$ git checkout -b <feature-name>
```

Then follow setup instructions in the [README.md](#)

How to contribute

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5. Do cool stuff. Make some commits.

How to contribute

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2. **Clone** your forked repository
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4. Create a branch locally and setup environment
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6. Push your changes to your remote

```
$ git status  
$ git add <files>  
$ git commit -m "<Descriptive commit message>"  
$ git push --set-upstream origin <feature-name>
```


How to contribute

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3. [Create an issue](#)/take ownership of an existing issue
4. Create a branch locally and setup environment
5. Do cool stuff. Make some commits.
6. Push your changes to your remote
7. Create a [Pull Request](#) from your [fork](#)

(We'll walk through this one)

Congratulations!

You've just joined the open source community



I'm lost, what just happened?

What We Did:

- Built a new feature on a software shipped to hundreds of people
- Worked collaboratively on an international project
- (Hopefully) Learned something new

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Stop Speaking Greek to me

Don't worry, most Git users don't really know what's going on when they're using Git. If you're looking to brush up, the following resources may be helpful:

- [Understanding the Github Flow](#)
- [Learn Enough Git to Be Dangerous](#)