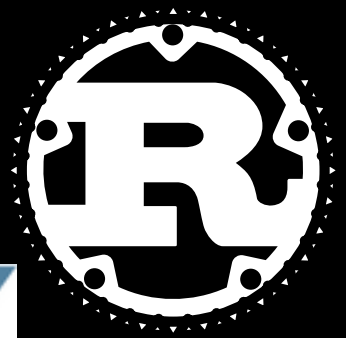
We all use open source; learn how to give back

Andrew May, Senior Solutions Architect

node
JS

.NET



OpenJDK

Open Source

Open source software is at the heart of Apple platforms and developer tools, and Apple continues to contribute and release significant quantities of open source code.

Swift

Swift is a powerful and intuitive programming language designed to give developers the freedom and capabilit need to create a new generation of cutting-edge apps. easy to learn and use and it's open source, so anyone v idea can create something incredible.

Visit Swift.org ↗

WebKit

Microsoft

Third-Party Notices – Microsoft Edge

NOTICES AND INFORMATION

Do Not Translate or Localize

This software incorporates material from third parties. Micros http://3rdpartysource.microsoft.com, or you may send a chec product name, the open source component name, and versi

Source Code Compliance Team
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052
USA

Notwithstanding any other terms, you may reverse engineer changes to any libraries licensed under the GNU Lesser Gene

Chromium

This product uses portions of Chromium.

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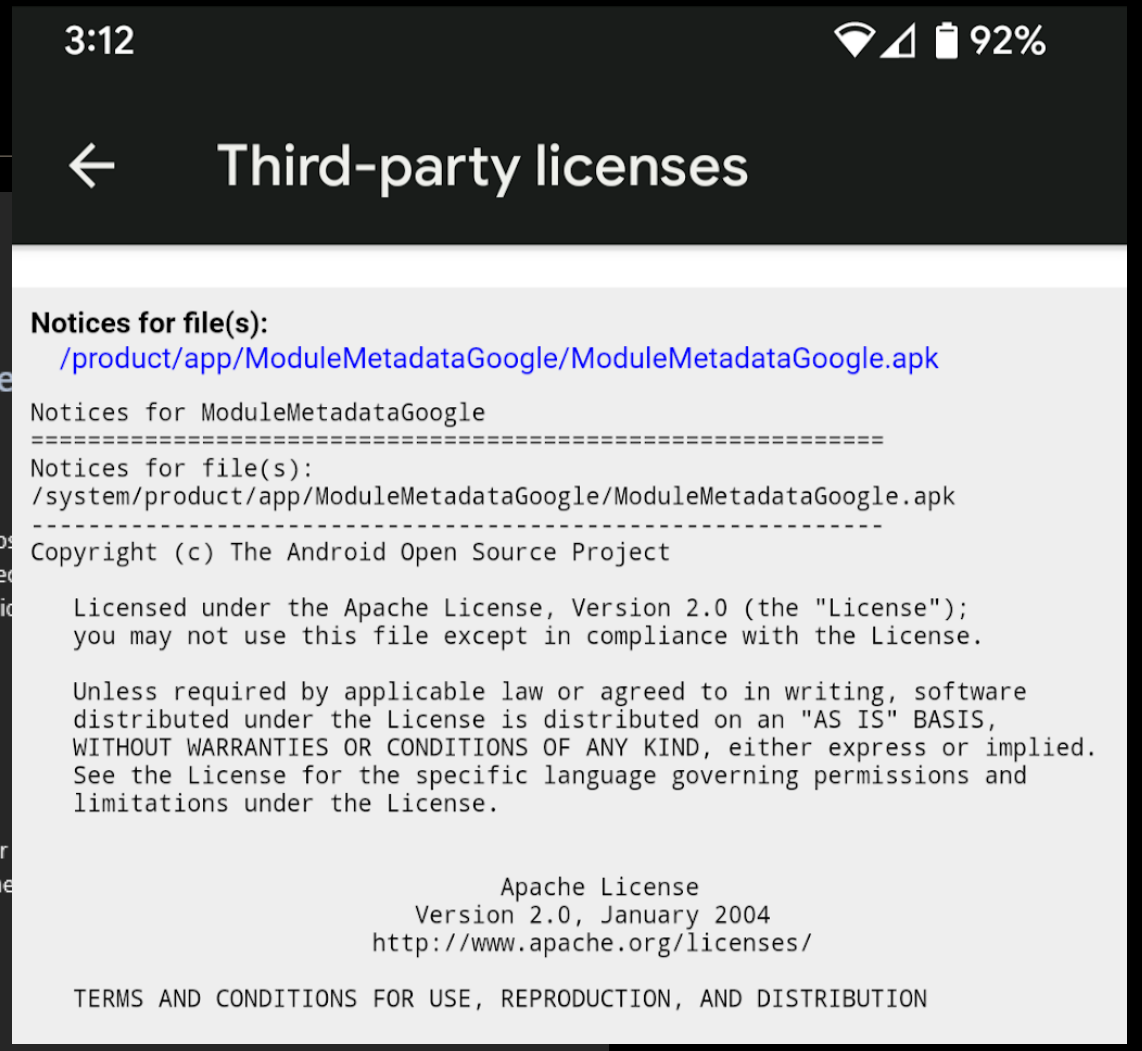
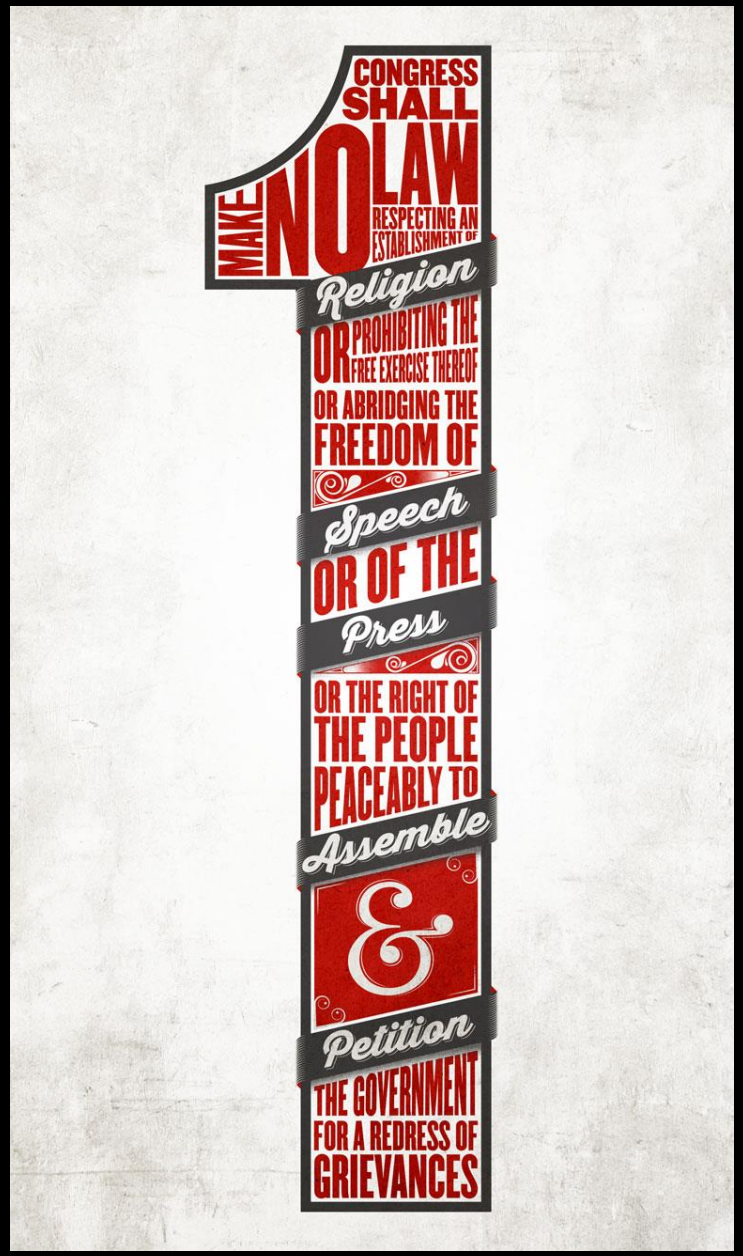


What is open source?

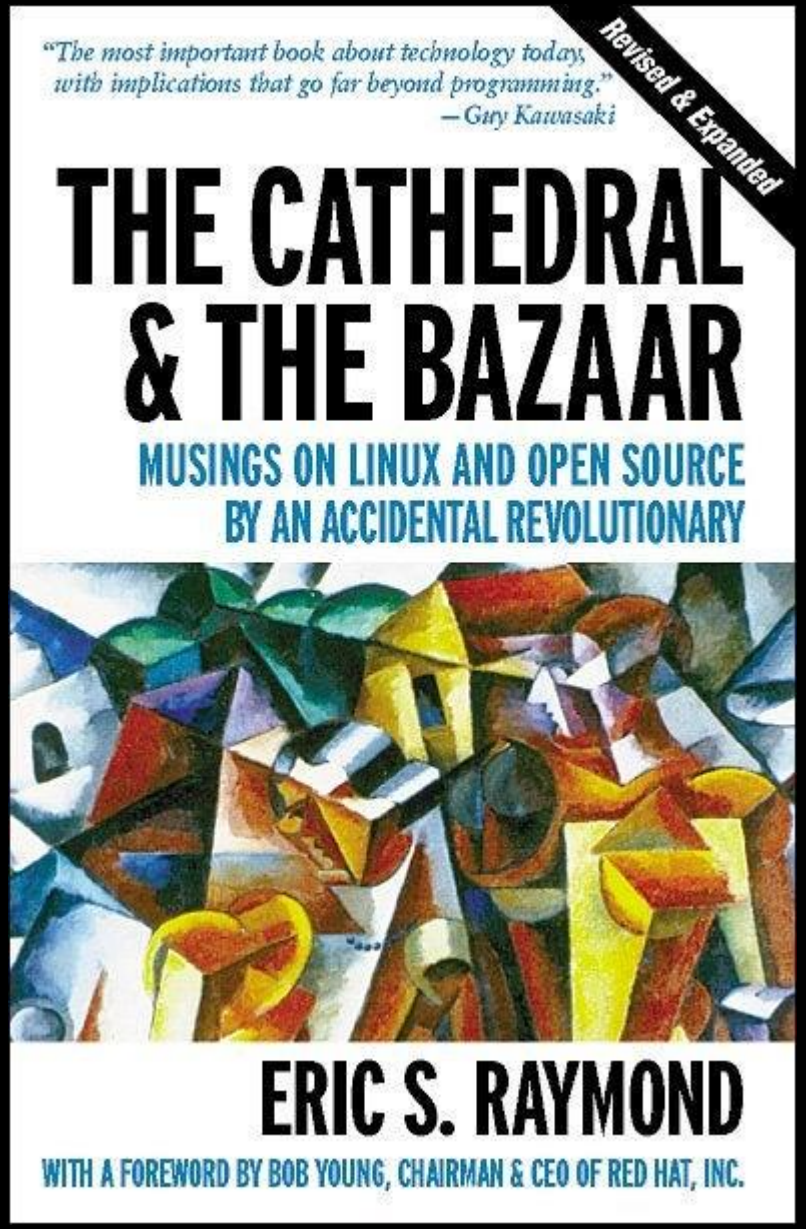
FREE, AS IN

FREE, AS IN


1
CONGRESS SHALL MAKE NO LAW RESPECTING AN ESTABLISHMENT OF
Religion
OR PROHIBITING THE FREE EXERCISE THEREOF
OR ABRIDGING THE FREEDOM OF
Speech
OR OF THE
Press
OR THE RIGHT OF THE PEOPLE PEACEABLY TO
Assemble
&
Petition
THE GOVERNMENT FOR A REDRESS OF GRIEVANCES

History of Open Source

- It’s complicated

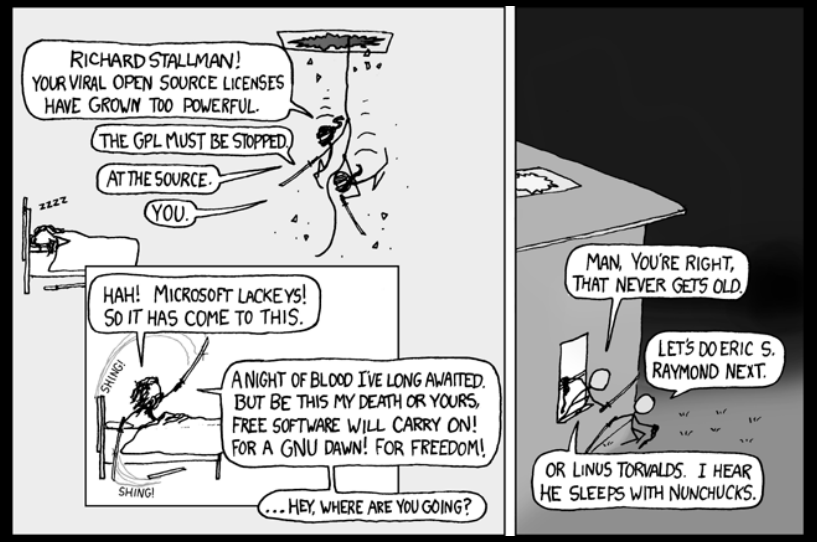


Fear, Uncertainty and Doubt

Microsoft (2001):

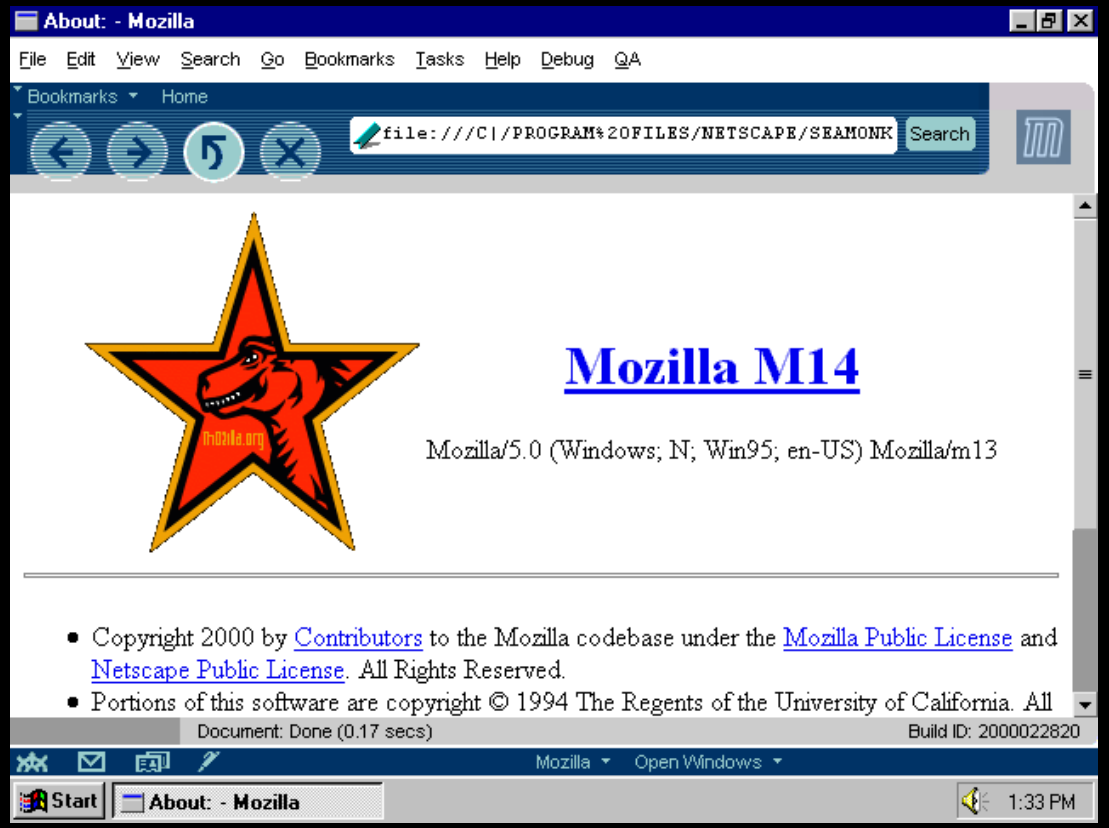
“(Open Source) a cancer that attaches itself in an intellectual property sense to everything it touches”

Today:



https://xkcd.com/225/

My open source journey



Mozilla Nightly Builds

Using open source tools

Submitting small changes

Bug reports

stackmanager

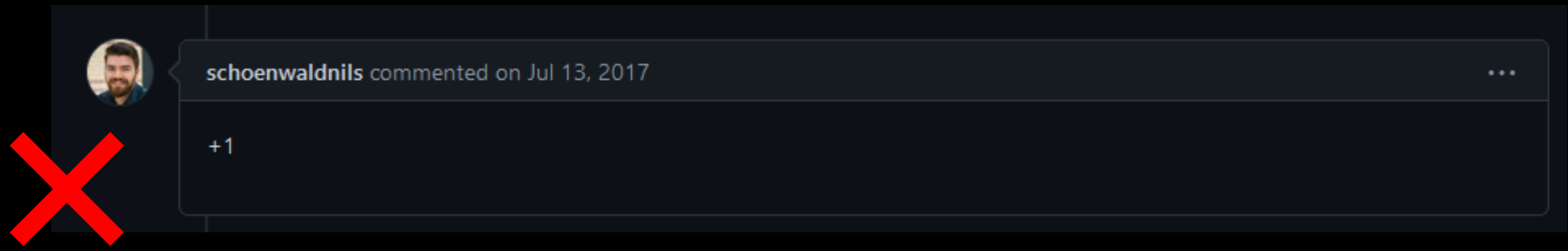
Evangelizing

Types of contribution

USE IT CONCIOUSLY

Document / Blog / Evangelize

+1 (in the right place!)



Bug reports

Support ion-python 0.7.0 for IonToJSONEncoder support #39

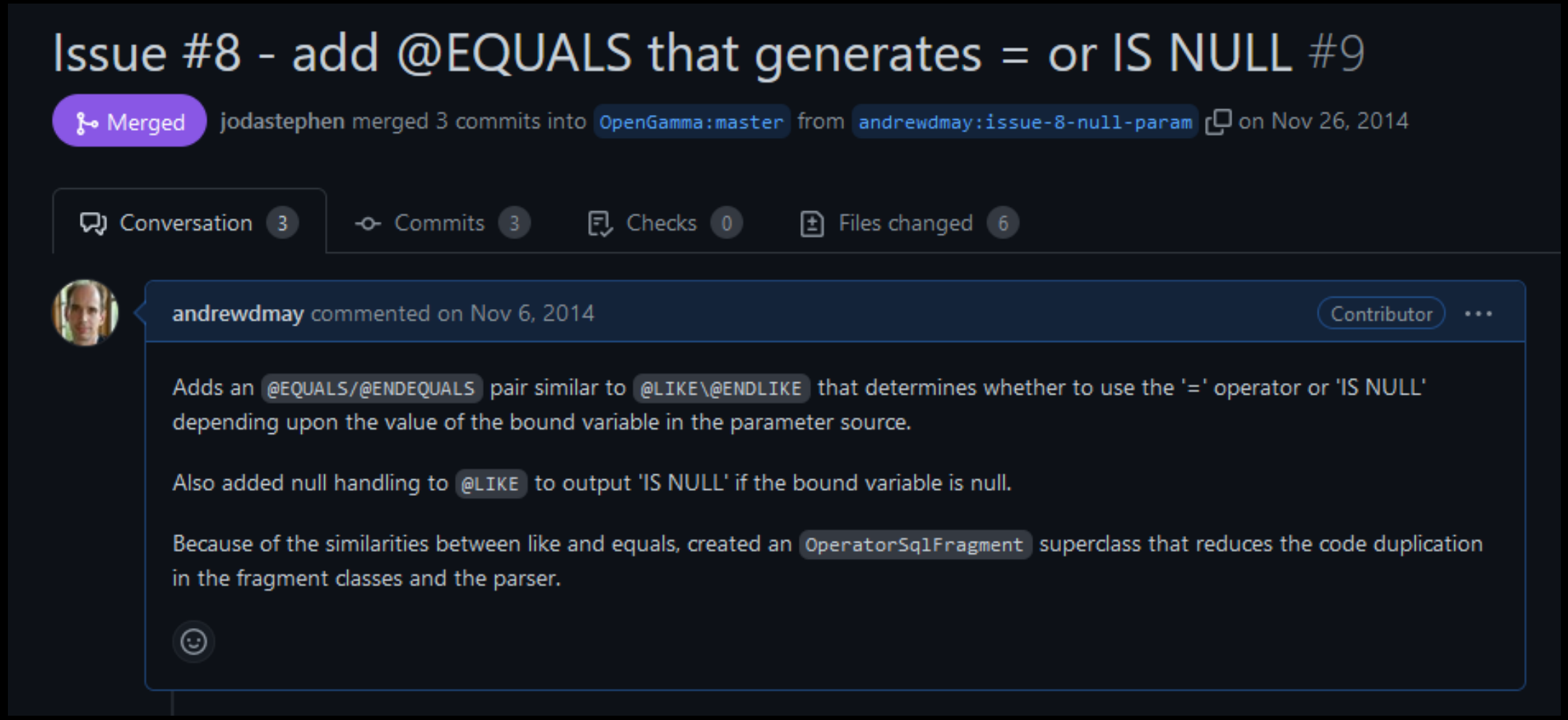
Closed andrewdmay opened this issue on Jan 12, 2021 · 3 comments

andrewdmay commented on Jan 12, 2021

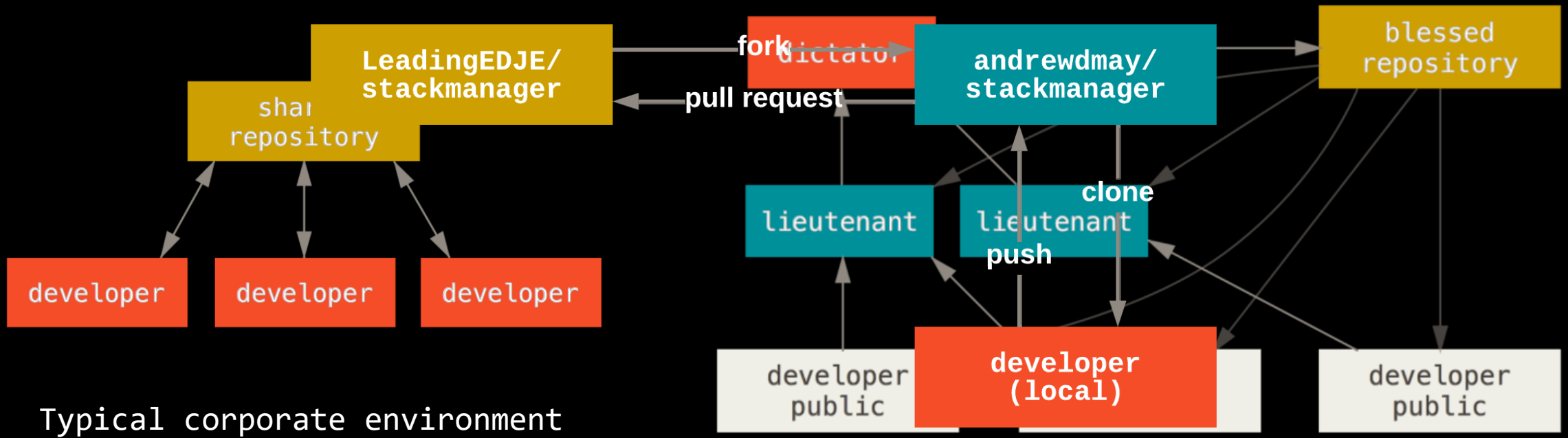
I'm working on a simple application based upon QLDB in python, and my clients are used to accepting JSON rather than ION. Currently it's not possible to use this driver and the IonToJSONEncoder support in ion-python, so I either have to manually down-convert, or the clients will have to understand ION responses.

I'm not familiar enough with the projects to say for sure, but the list of changes for 0.6.0 and 0.7.0 of ion-python are pretty small, so it seems unlikely that it would break anything.

One-off bugfix or enhancement



(aside about git/DVCS)



Typical corporate environment

Small open source project

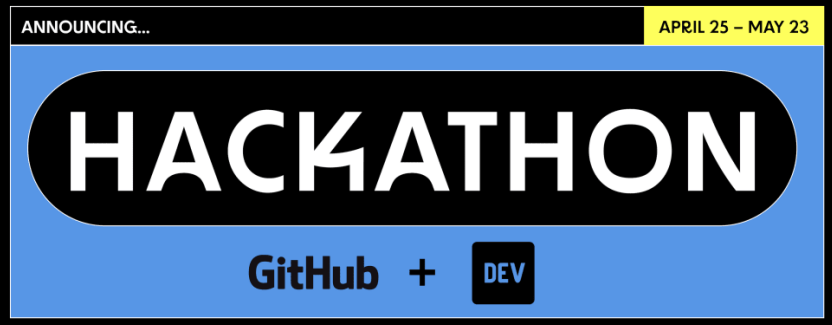
Linux development

Google Summer of Code

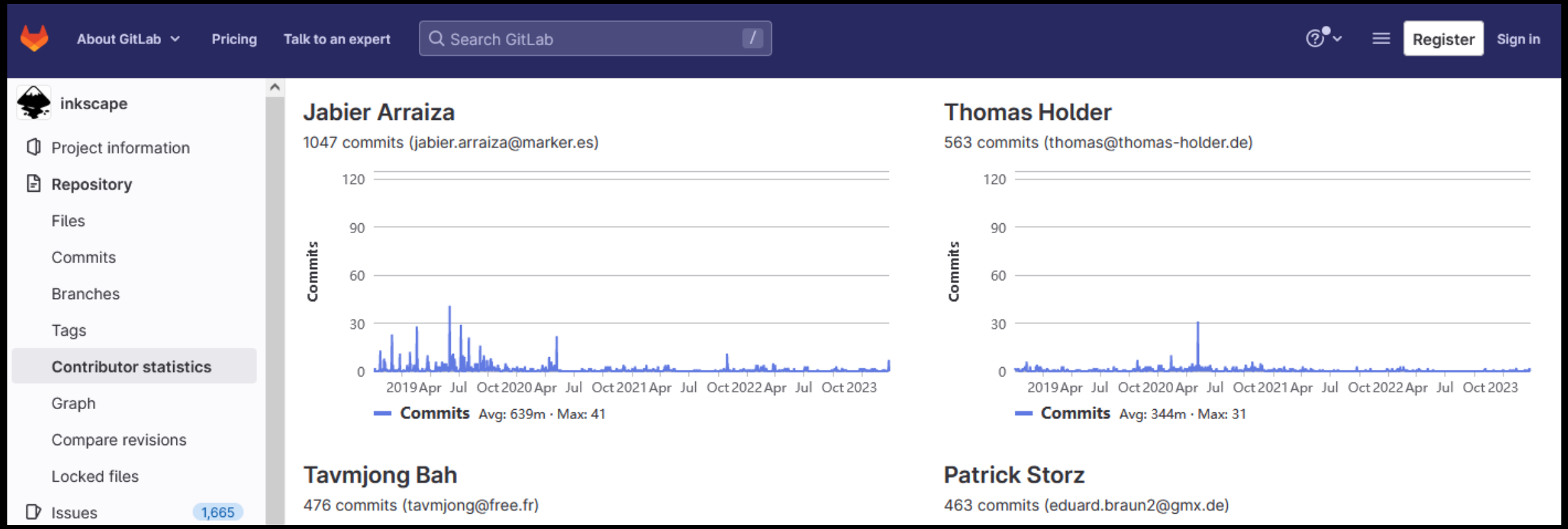
HACK
TOBER
FEST

#hackathons

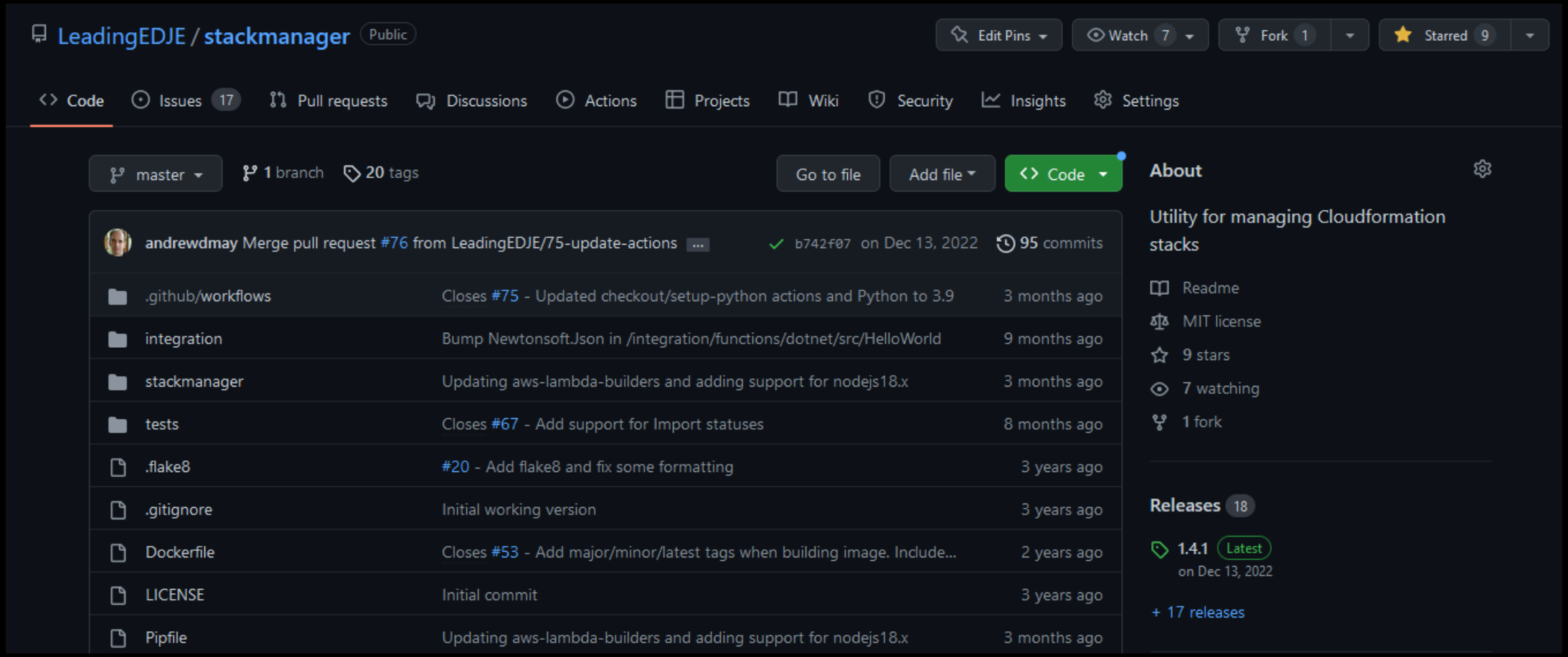
Rails Girls
Summer of Code


ANNOUNCING...
APRIL 25 – MAY 23
HACKATHON
GitHub + DEV

Become a regular contributor



New project


LeadingEDJE / stackmanager
Public
Edit Pins
Watch 7
Fork 1
Starred 9
Code
Issues 17
Pull requests
Discussions
Actions
Projects
Wiki
Security
Insights
Settings
master
1 branch
20 tags
Go to file
Add file
Code
andrewdmay Merge pull request #76 from LeadingEDJE/75-update-actions ...
b742f07 on Dec 13, 2022
95 commits
.github/workflows
Closes #75 - Updated checkout/setup-python actions and Python to 3.9
3 months ago
integration
Bump Newtonsoft.Json in /integration/functions/dotnet/src/HelloWorld
9 months ago
stackmanager
Updating aws-lambda-builders and adding support for nodejs18.x
3 months ago
tests
Closes #67 - Add support for Import statuses
8 months ago
.flake8
#20 - Add flake8 and fix some formatting
3 years ago
.gitignore
Initial working version
3 years ago
Dockerfile
Closes #53 - Add major/minor/latest tags when building image. Include...
2 years ago
LICENSE
Initial commit
3 years ago
Pipfile
Updating aws-lambda-builders and adding support for nodejs18.x
3 months ago
About
Utility for managing Cloudformation stacks
Readme
MIT license
9 stars
7 watching
1 fork
Releases 18
1.4.1 Latest
on Dec 13, 2022
+ 17 releases

Things to consider

- How is this project different?
- Are you going to maintain this?
- How can others contribute?
- What happens when you lose interest?

Licenses explained

IANAL

What makes a license “open source”?

OSI maintains the
Open Source Definition

OSD goes beyond source:

9. License Must Not Restrict Other Software

Copyleft

“Viral” with conditions on derived works and source code distribution

- GNU Public License (+AGPL/LGPL)
- Eclipse Public License
- Mozilla Public License

Permissive

Do what you like with the code with few limitations

- Apache License
- MIT License
- BSD License (various)

Public Domain / Unlicense

Do what you like with no limitations and no copyright

Using open source at work

Companies fear the GPL

Know which licenses you are using, and which your company allows

Check before you contribute

Who owns the code?

"We'll need to talk to the lawyers"

Do you want to maintain this?

Commercial
open source

Linux Foundation & Contributors

Most active 5.10 employers

By changesets			By lines changed		
Huawei Technologies	1434	8.9%	Intel	96976	12.6%
Intel	1297	8.0%	Huawei Technologies	41049	5.3%
(Unknown)	1075	6.6%	(Unknown)	40948	5.3%
(None)	954	5.9%	Google	39160	5.1%
Red Hat	915	5.7%	NXP Semiconductors	35898	4.7%
Google	848	5.2%	(None)	30998	4.0%
AMD	698	4.3%	Red Hat	30467	3.9%
Linaro	670	4.1%	Code Aurora Forum	29615	3.8%
Samsung	570	3.5%	Linaro	29384	3.8%
IBM	521	3.2%	Facebook	27479	3.6%
NXP Semiconductors	439	2.7%	BayLibre	24159	3.1%
Facebook	422	2.6%	AMD	23343	3.0%
Oracle	414	2.6%	(Consultant)	19905	2.6%
SUSE	410	2.5%	IBM	18312	2.4%
(Consultant)	404	2.5%	MediaTek	15893	2.1%
Code Aurora Forum	313	1.9%	Arm	13390	1.7%
Arm	307	1.9%	Texas Instruments	11814	1.5%
Renesas Electronics	283	1.7%	SUSE	11063	1.4%
NVIDIA	262	1.6%	Oracle	10542	1.4%
Texas Instruments	218	1.3%	NVIDIA	10481	1.4%

Jenkins
(2011)

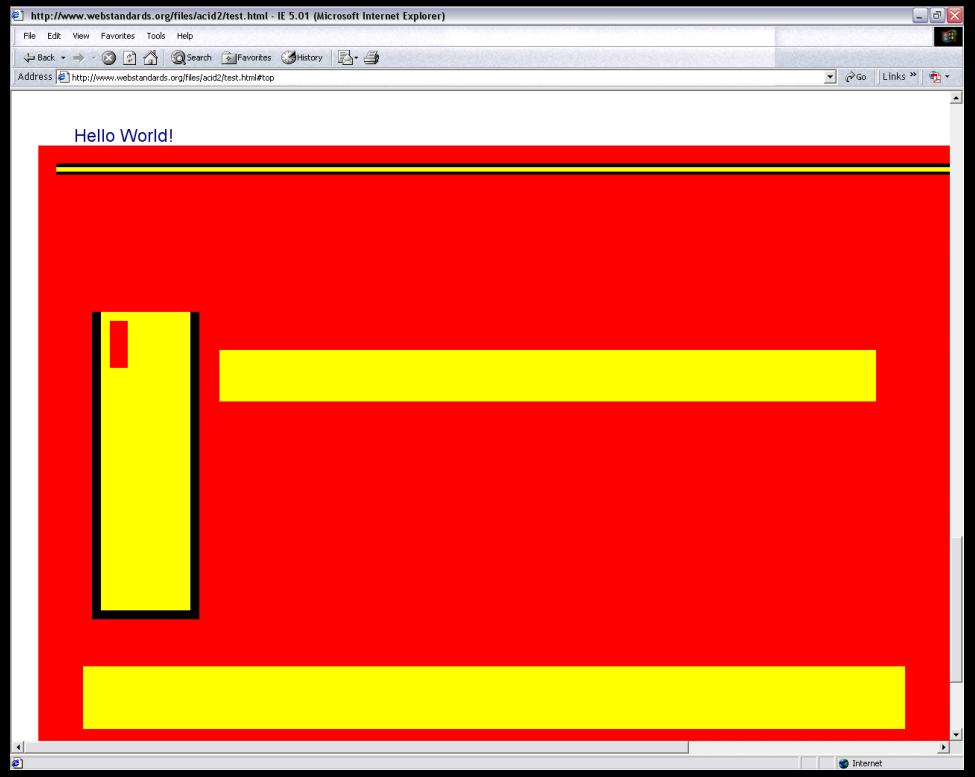
Server Side Public License

elastic

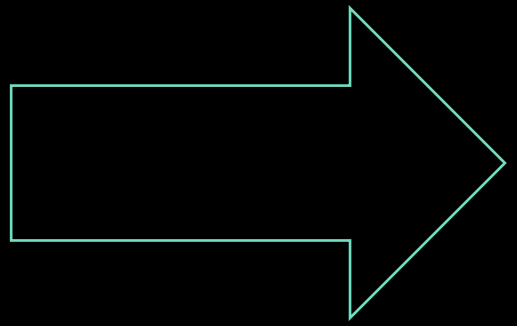
vs

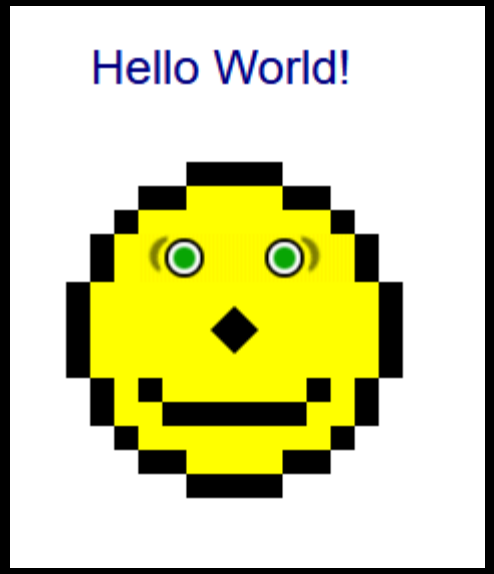
IT'S NOT ALL A
BED OF ROSES
BUT...

OPEN SOURCE CAN CHANGE THE WORLD



IE5 (1999)





Firefox 3
& any modern
browser

Questions?