Hacking GitHub

Tips & tricks for better coding skills

~ whoami

{

name: “Eyar Zilberman”,

title: “CPO @ Datree”,

powerAnimal: “goat”

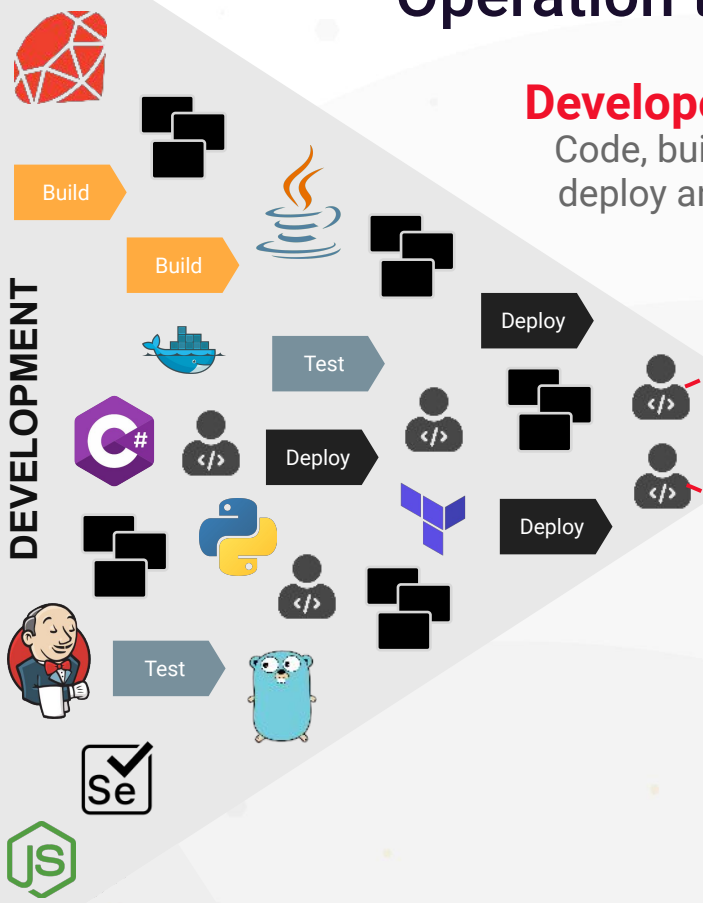
}

datree.io

Operation through Git is the new norm

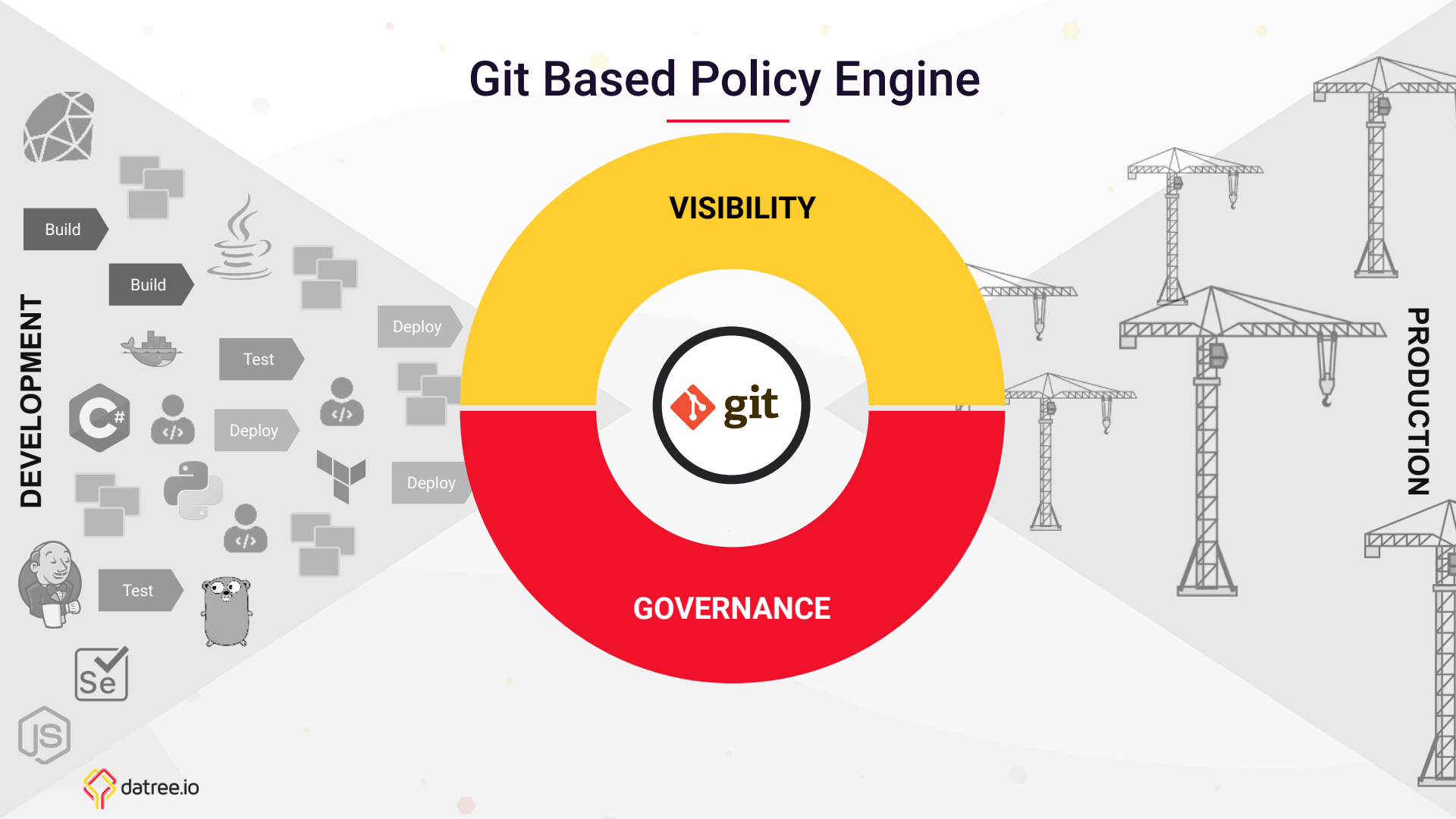
Developers have access to production

Code, build, test, package, release, configure, deploy and rollback your application with Git almost instantly



Git is the 87.2% of the market

Git Based Policy Engine



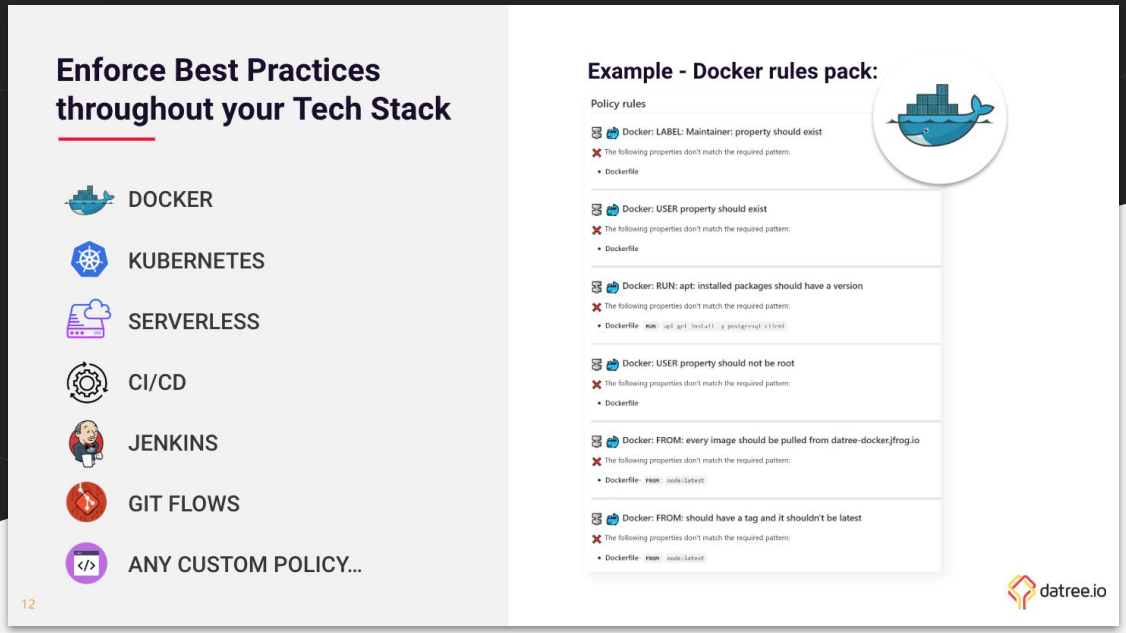
datree.io

How Datree works

1 **SCAN**
Identify issues in your code repositories

2 **SET**
Set policy rules to prevent future occurrences

3 **ENFORCE**
Automatically run policy checks on pull requests



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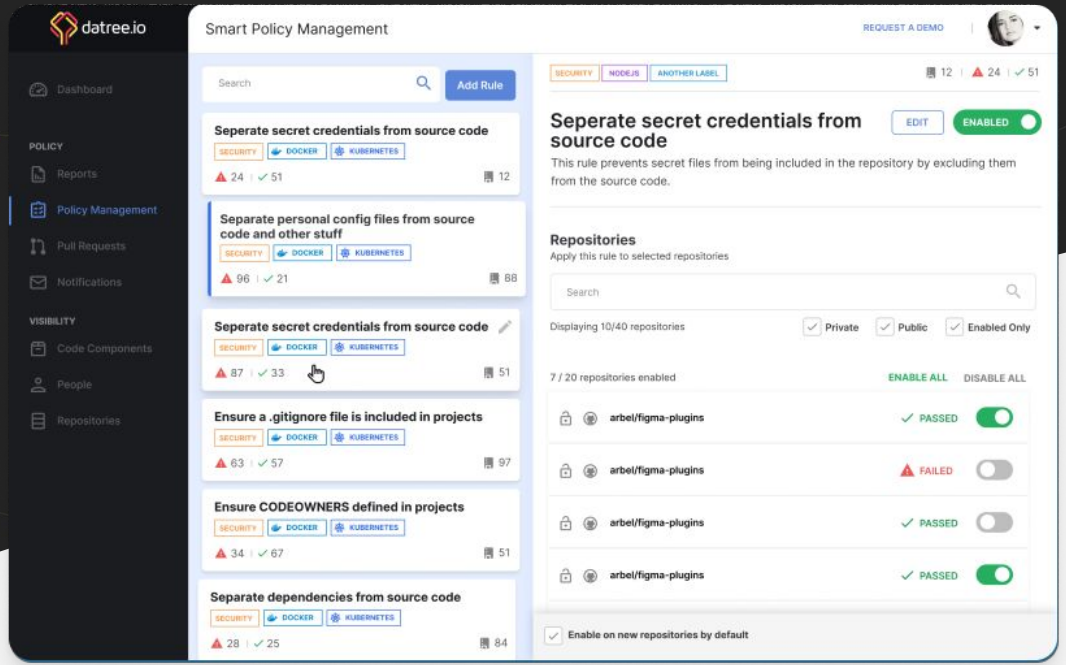

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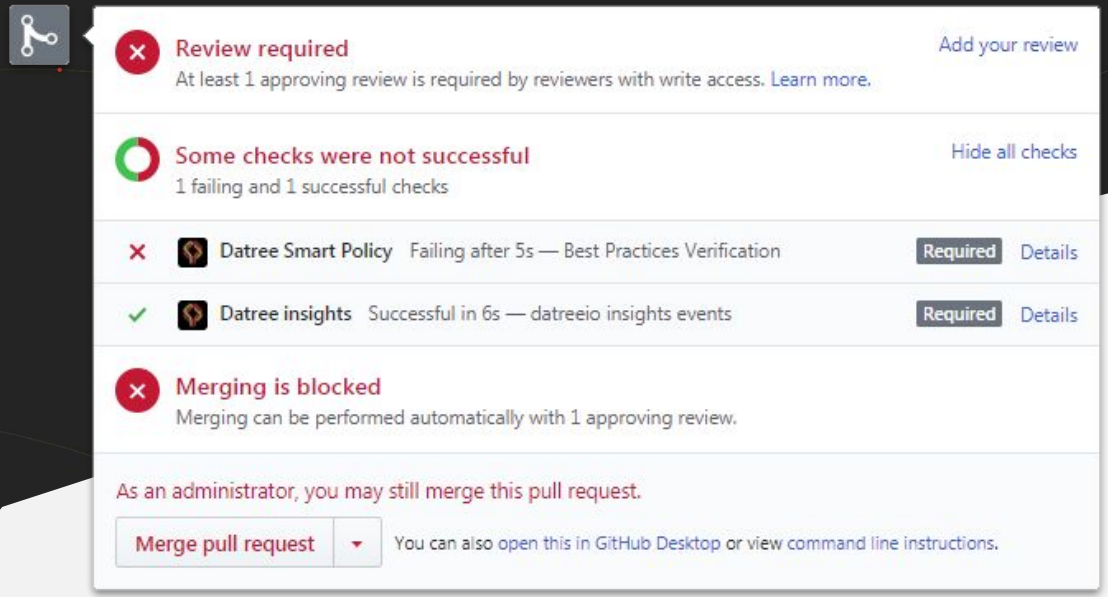
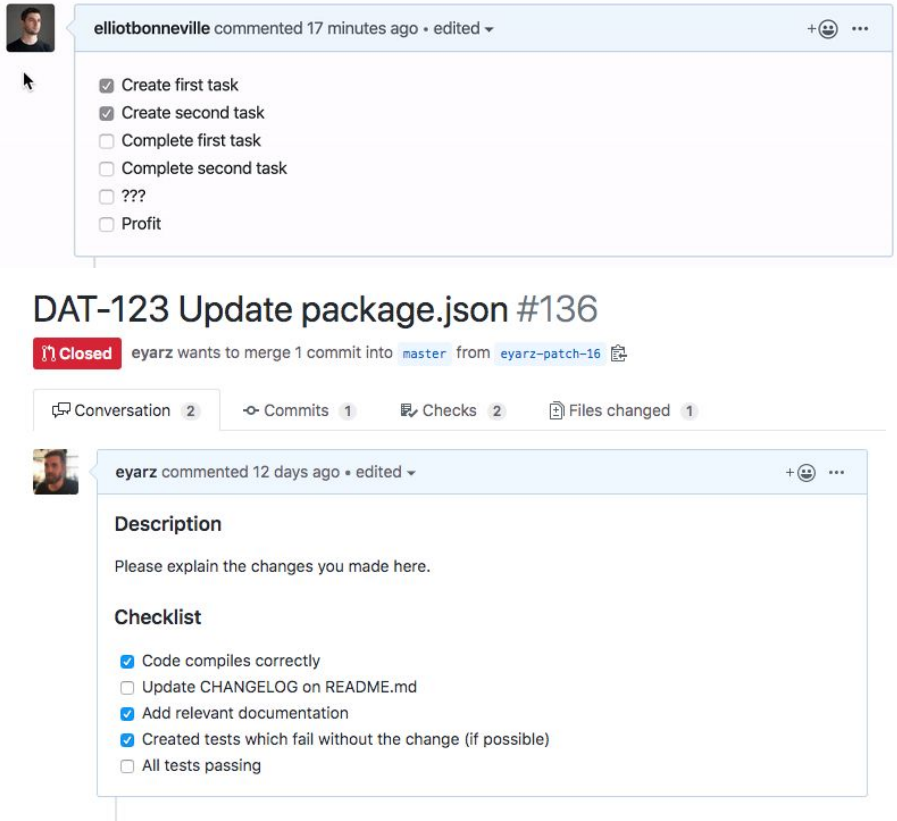
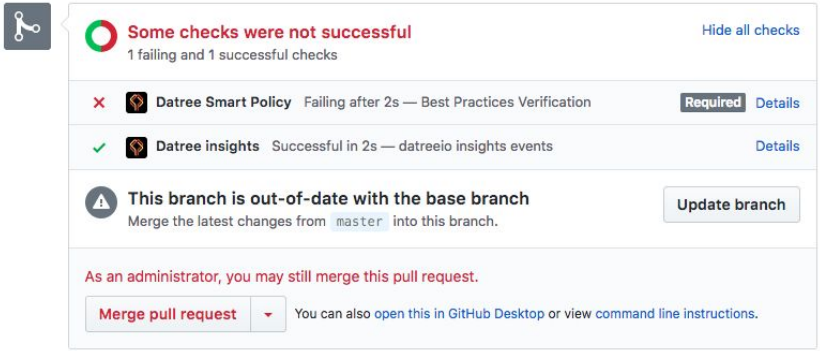


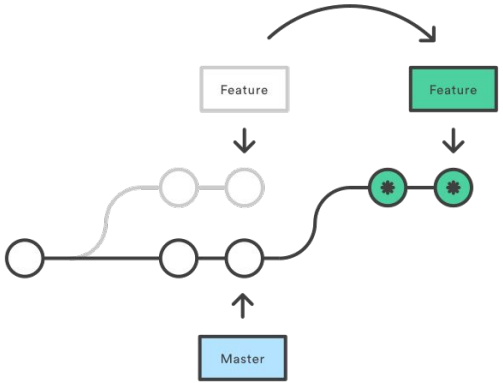
1. Tasks lists

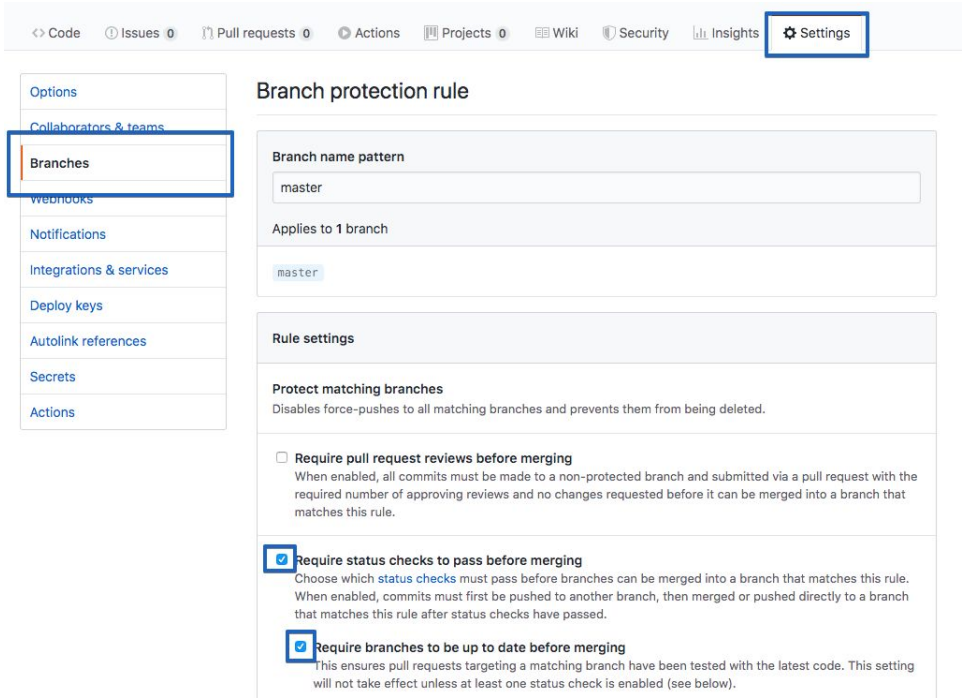



```
- [x] Create first task
- [x] Create second task
- [x] Complete first task
- [ ] Complete second task
- [ ] ???
- [ ] Profit
```

2. Keeping feature branch up-to-date



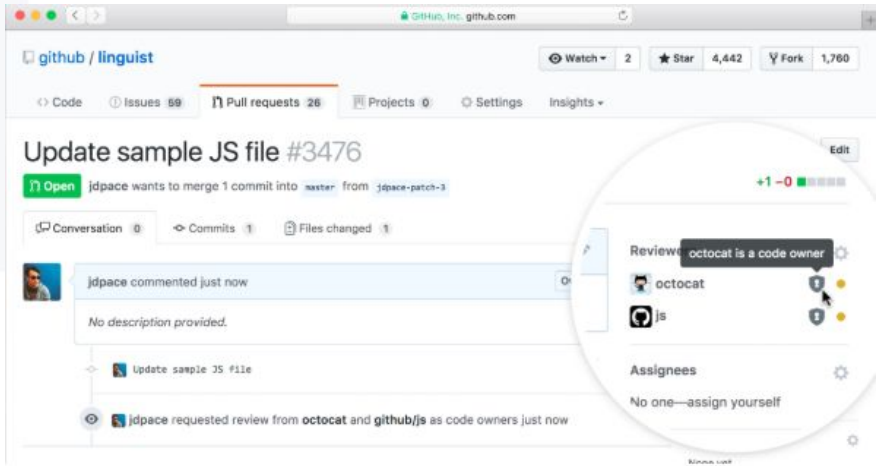




3. Codeowners

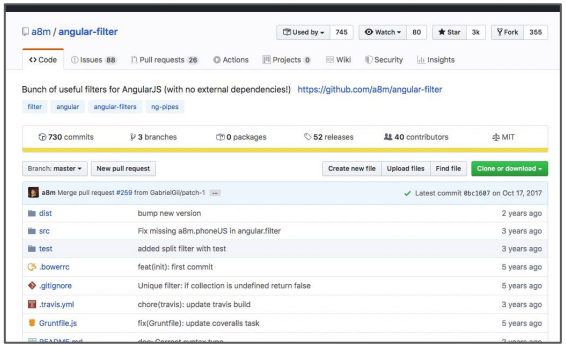
```
# Lines starting with '#' are comments.
# Each line is a file pattern followed by one or more owners.

# These owners will be the default owners for everything in the repo.
*       @defunkt

# Order is important. The last matching pattern has the most precedence.
# So if a pull request only touches javascript files, only these owners
# will be requested to review.
*.js    @octocat @github/js

# You can also use email addresses if you prefer.
docs/*  docs@example.com
```

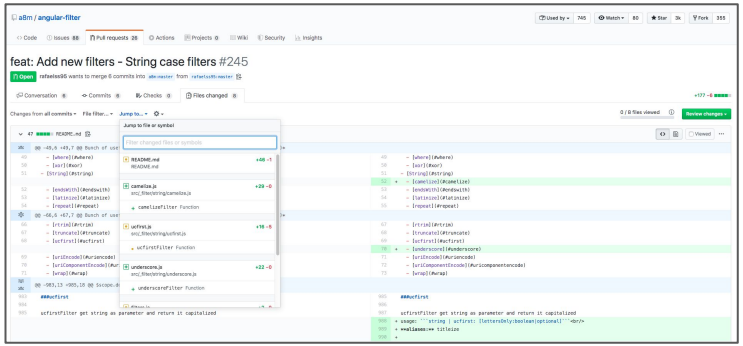
Must be located inside one of the following paths:
➡️ root-dir/
➡️ root-dir/docs/
➡️ root-dir/.github/



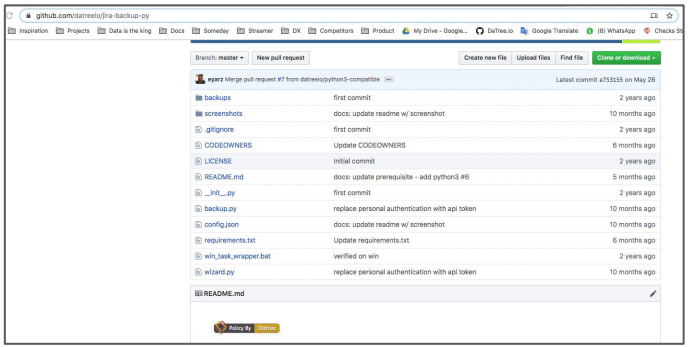
4. Keyboard shortcuts

“T”
File Finder





“Y”
Permalink



https://github.com/datreeio/jira-backup-py/blob/master/LICENSE

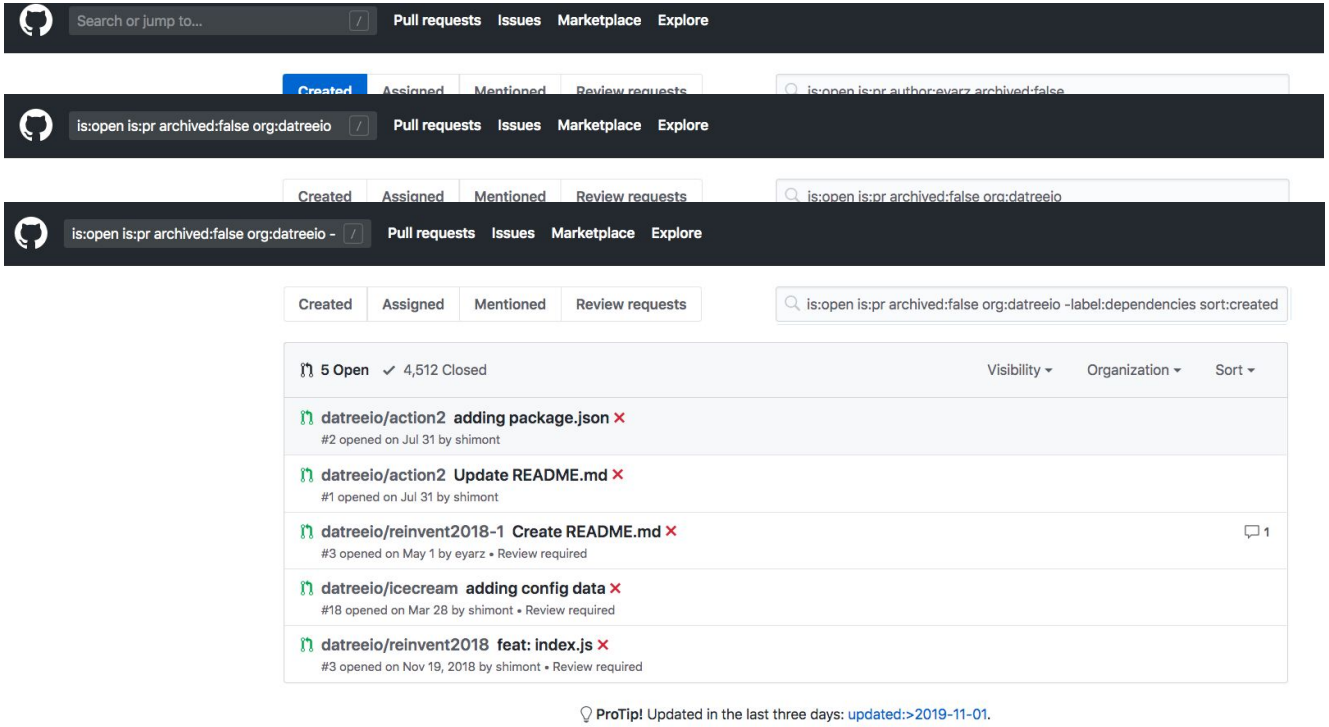
https://github.com/datreeio/jira-backup-py/blob/a753155e65cf56fbdcb0a4a228cf534b2f66fb53/LICENSE

5. Global view of all the PR’s

All open PR’s where
I’m (@eyarz) the author

All open PR’s in my org
(datreeio)

All open PR’s in my org +
order by date +
filter automatic PR’s



6.a Search queries - “filename”

The `filename` qualifier matches code files with a certain filename. You can also find a file in a repository using the file finder.

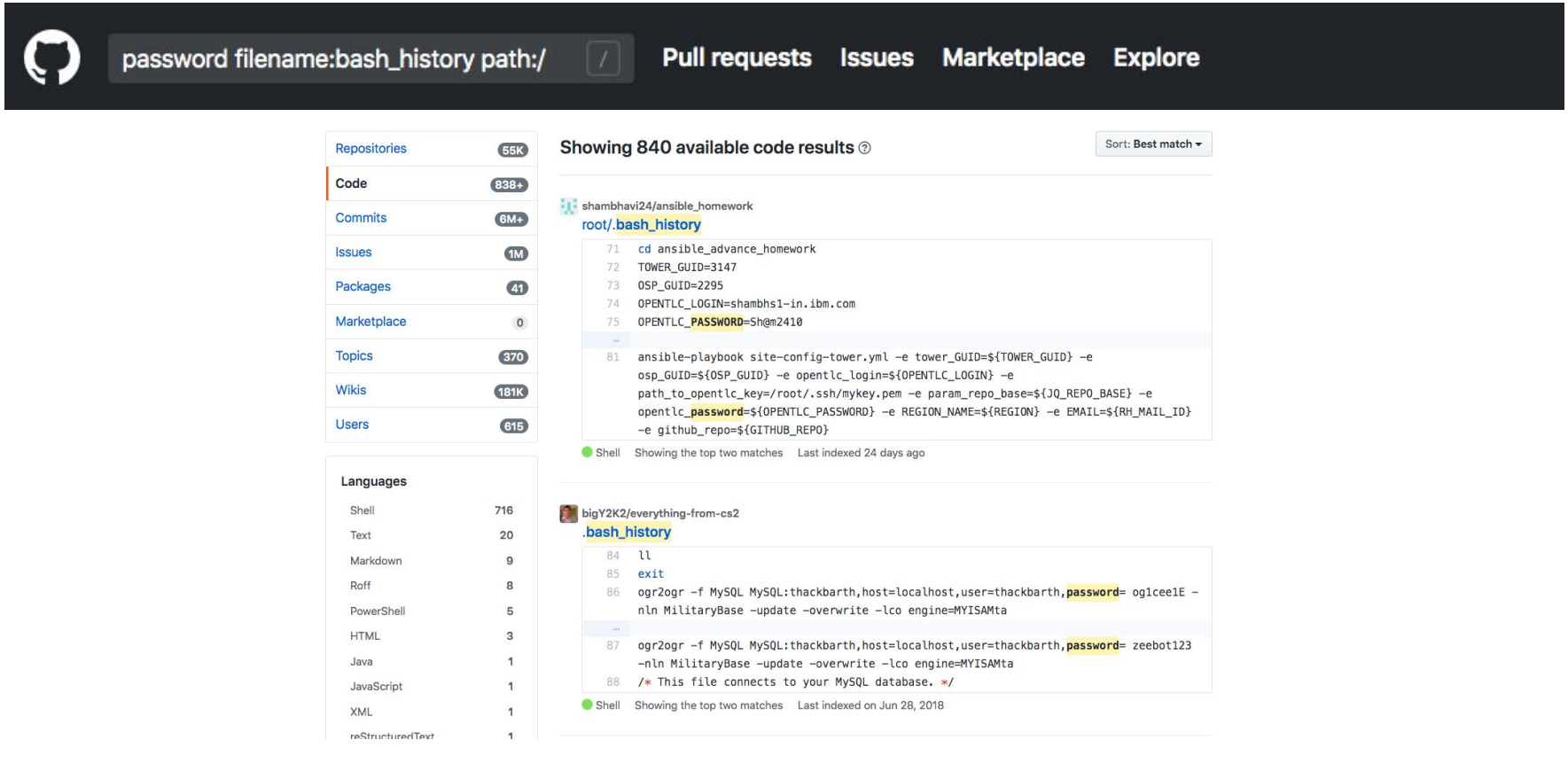
Qualifier	Example
filename:FILENAME	filename:linguist matches files named "linguist."
	filename:.vimrc commands matches .vimrc files with the word "commands."
	filename:test_helper path:test language:ruby matches Ruby files named test_helper within the test directory.

6.b Search queries - “path”

You can use the `path` qualifier to search for source code that appears at a specific location in a repository.

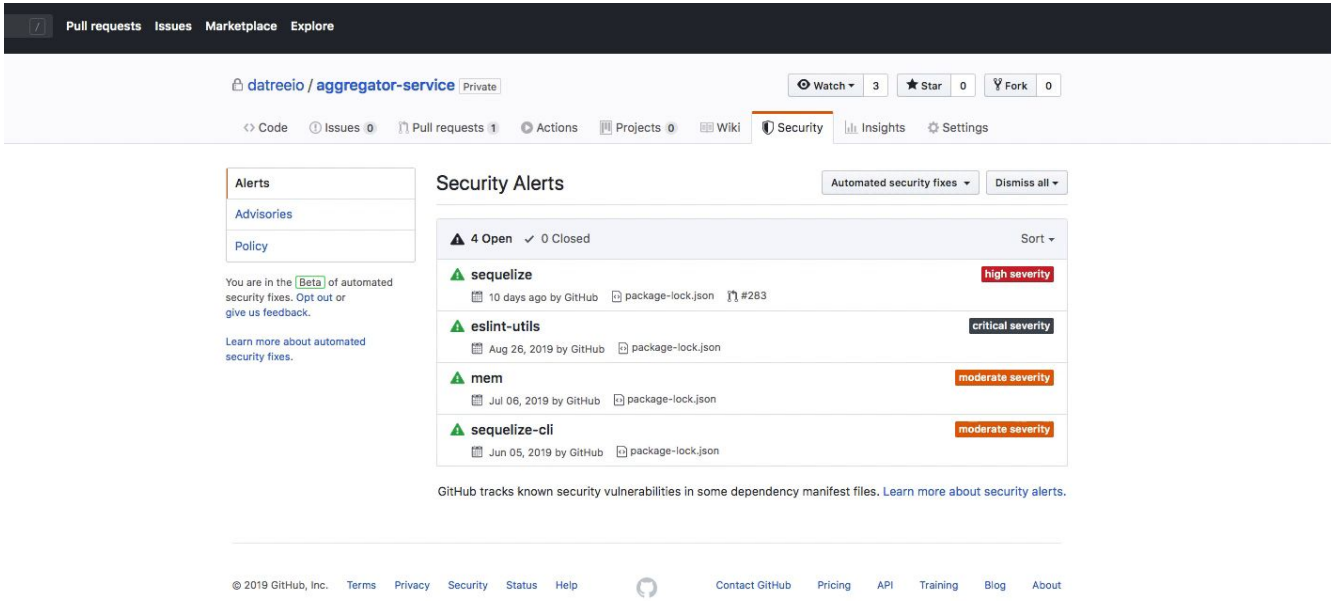
Qualifier	Example
path:/	octocat filename:readme path:/ matches readme files with the word "octocat" that are located at the root level of a repository.
path:DIRECTORY	form path:cgi-bin language:perl matches Perl files with the word "form" in a cgi-bin directory, or in any of its subdirectories.
path:PATH/TO/DIRECTORY	console path:app/public language:javascript matches JavaScript files with the word "console" in an app/public directory, or in any of its subdirectories (even if they reside in app/public/js/form-validators).

Search queries - real life use case



7. Automated security fixes [Beta]

Automated security fixes will attempt to create pull requests to update vulnerable dependencies.



8. Probot + GitHub Actions

Closed **DAT-124 Update package.json** #484

eyarz wants to merge 1 commit into `master` from `eyarz-patch-1`

eyarz changed the title ~~Update package.json~~ **DAT-124 Update package.json** on Feb 17

stale bot commented on Feb 18

This issue has been automatically marked as stale because it has not had recent activity. It will be closed if no further activity occurs. Thank you for your contributions.

stale bot added the **stale** label on Feb 18

stale bot closed this on Feb 20

github-actions bot deleted the `eyarz-patch-1` branch on Feb 20

Probot: https://github.com/probot/stale
Action: https://github.com/eyarz/branch-cleanup-action

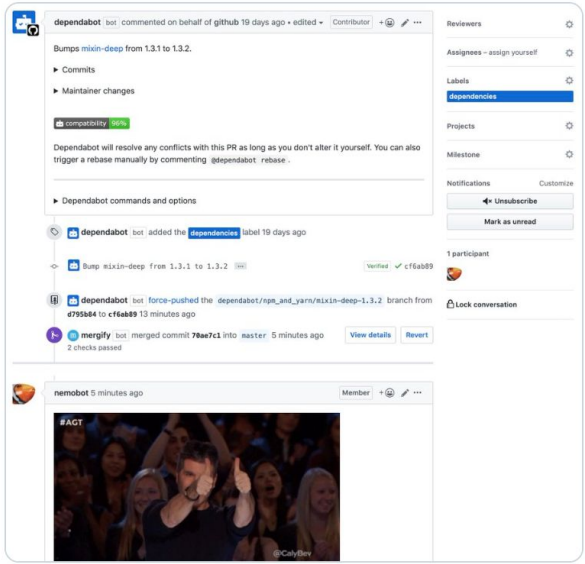
Thread

Gabriele Petronella
@gabro27

So this just happened:

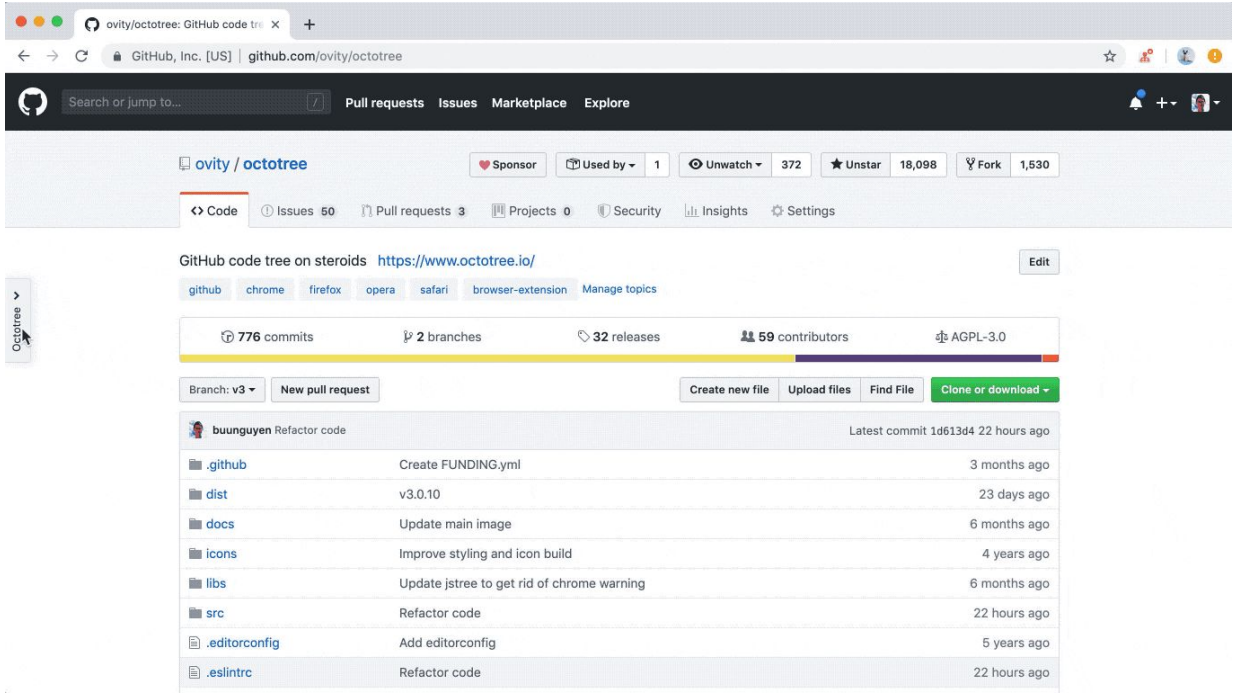
- a bot found a vulnerability in a dependency
- a bot sent a PR to fix it
- the CI verified the PR
- a bot merged it
- a bot celebrated the merge with a GIF

github.com/buildo/react-c...



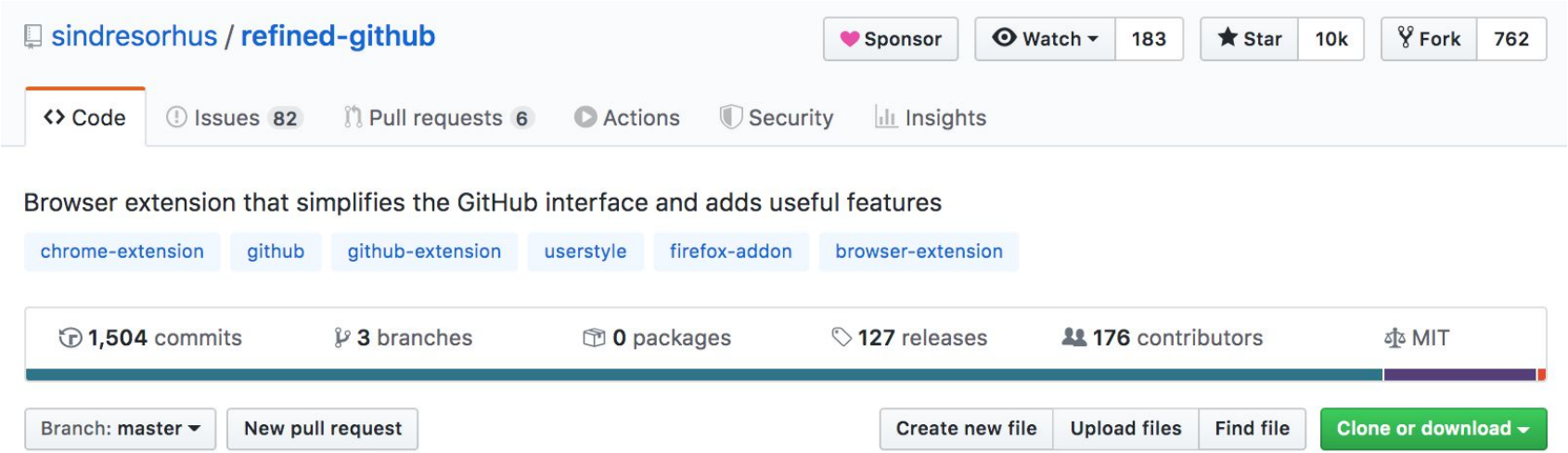
9.a Browser extensions - Octotree

https://github.com/ovity/octotree

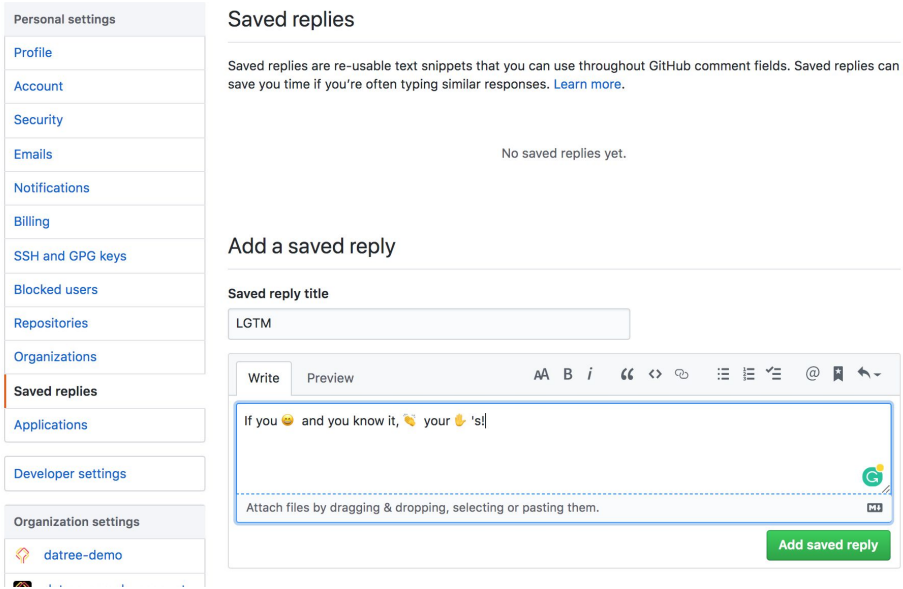


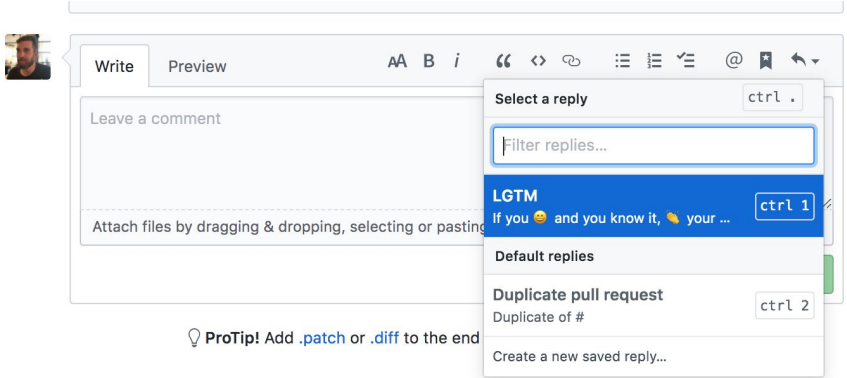
9.b Browser extensions - Refined

https://github.com/sindresorhus/refined-github



10. Saved replies





Thank you!

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Twitter: @eyarzilb

Github: /eyarz

Linkedin: eyar-zilberman