

HI, I'M <your-name>
AND I PRONOUNCE
PAGURE
AS
PA GURE



The state of pagure

Past – Present - Future

Presented by
Pierre-Yves Chibon (pingou)
Fedora infrastructure

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Pagure



<https://fr.wikipedia.org/wiki/Pagure>

Pagure

- 1 project = 4 git repos

- Sources
- Doc
- Ticket meta-data
- PR meta-data

- Tooling

- pag: <https://pagure.io/pag>
- pag-off: <https://pagure.io/pag-off>





Past – Present – Future

Active Milestones

Roadmap

Each issue can be assigned to a *milestone*. This way it is possible to create a roadmap for your project. Below you can create the milestones and optionally set dates for them.

Milestone	Date (optional)		
Café		↑ ↓	☒
1.0.1		↑ ↓	☐
käpy		↑ ↓	☒

Tags on PRs

Patch

Merge

The pull-request can be merged and fast-forwarded

Assignee

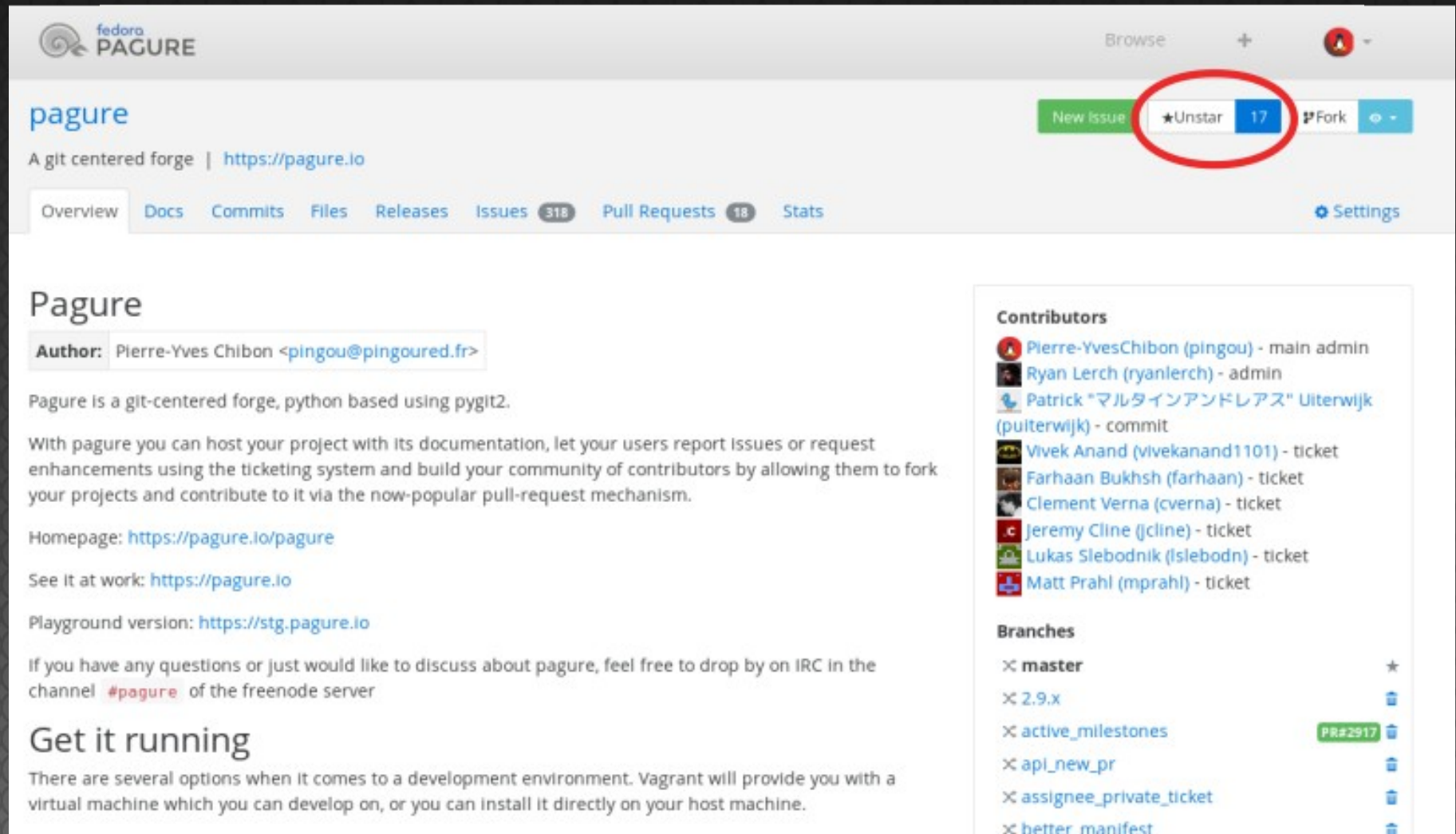
username

Tags

doc

- 0.1
- 0.2
- Artwork
- bug
- debt
- discussion
- easyfix
- editing

Star projects



The screenshot shows the Pagure project page. At the top, the '★Unstar' button and the star count '17' are circled in red. The page includes a navigation bar with links to Overview, Docs, Commits, Files, Releases, Issues (318), Pull Requests (18), and Stats. The main content area displays the project name 'Pagure', the author 'Pierre-Yves Chibon', and a description of the project as a git-centered forge. A list of contributors and a list of branches are also visible on the right side.

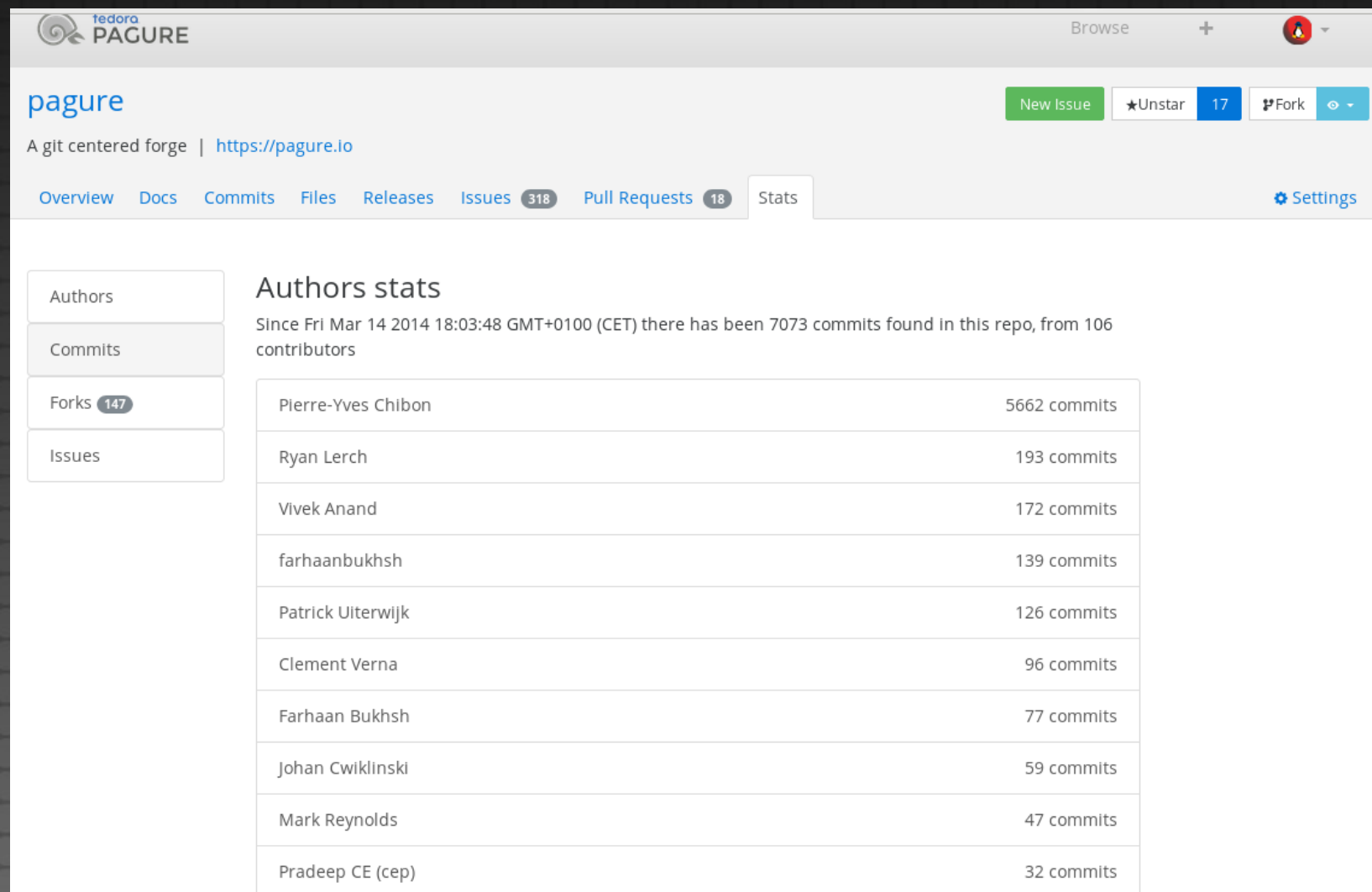
Contributors

- Pierre-YvesChibon (pingou) - main admin
- Ryan Lerch (ryanlerch) - admin
- Patrick "マルティンアンドレアス" Uiterwijk (puiterwijk) - commit
- Vivek Anand (vivekanand1101) - ticket
- Farhaan Bukhsh (farhaan) - ticket
- Clement Verna (cverna) - ticket
- Jeremy Cline (jcline) - ticket
- Lukas Slebodnik (lslebodn) - ticket
- Matt Prah (mprahl) - ticket

Branches

- master
- 2.9.x
- active_milestones (PR#2917)
- api_new_pr
- assignee_private_ticket
- better_manifest

Repo stats



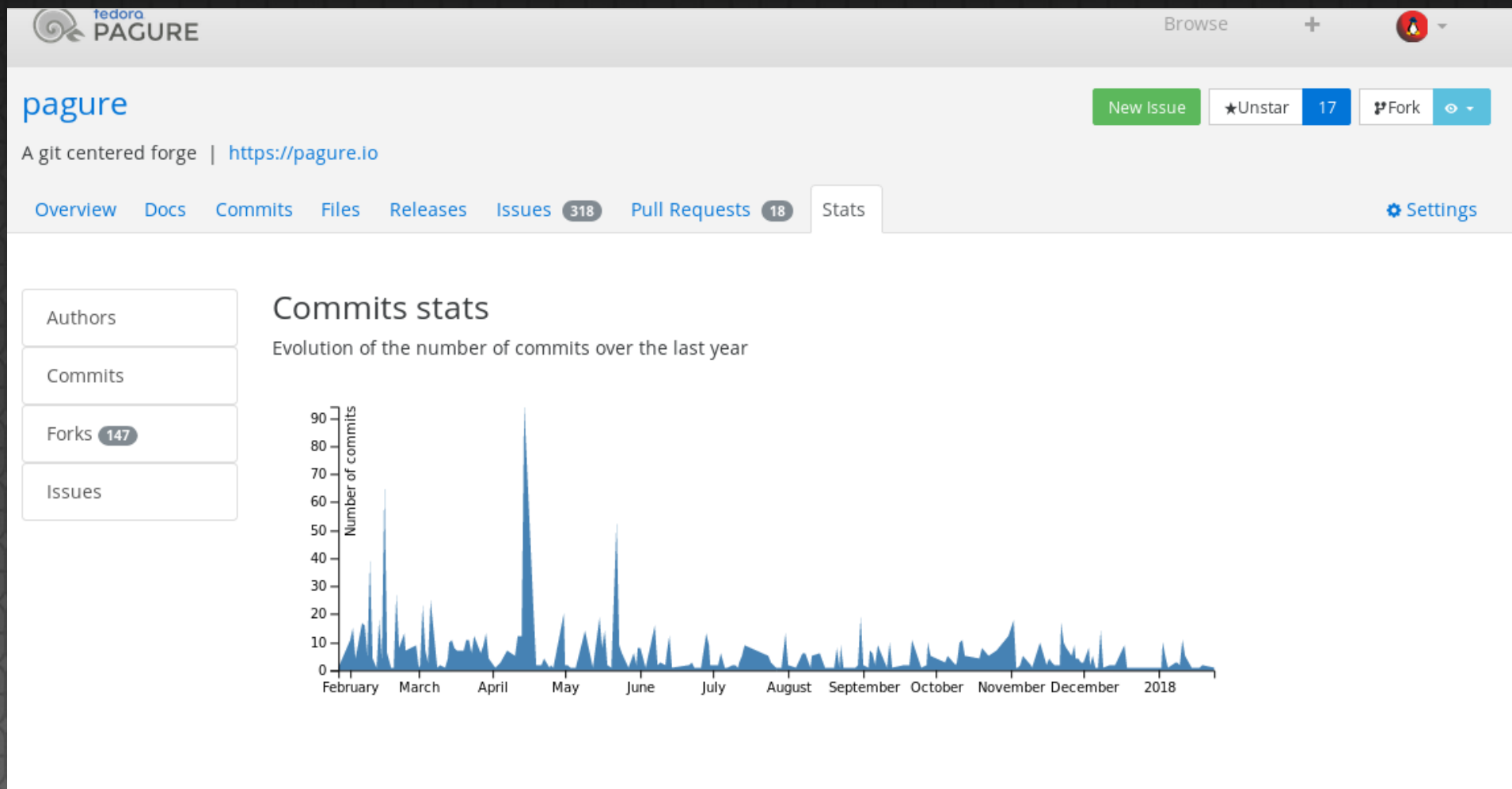
The screenshot shows the Pagure web interface for the 'pagure' repository. The header includes the Pagure logo, a 'Browse' button, and a user profile icon. Below the header, the repository name 'pagure' is displayed along with its description 'A git centered forge' and the URL 'https://pagure.io'. Navigation links for 'Overview', 'Docs', 'Commits', 'Files', 'Releases', 'Issues' (318), 'Pull Requests' (18), and 'Stats' are visible. On the right, there are buttons for 'New Issue', '★Unstar' (17), and 'Fork'. A 'Settings' link is also present.

Authors stats

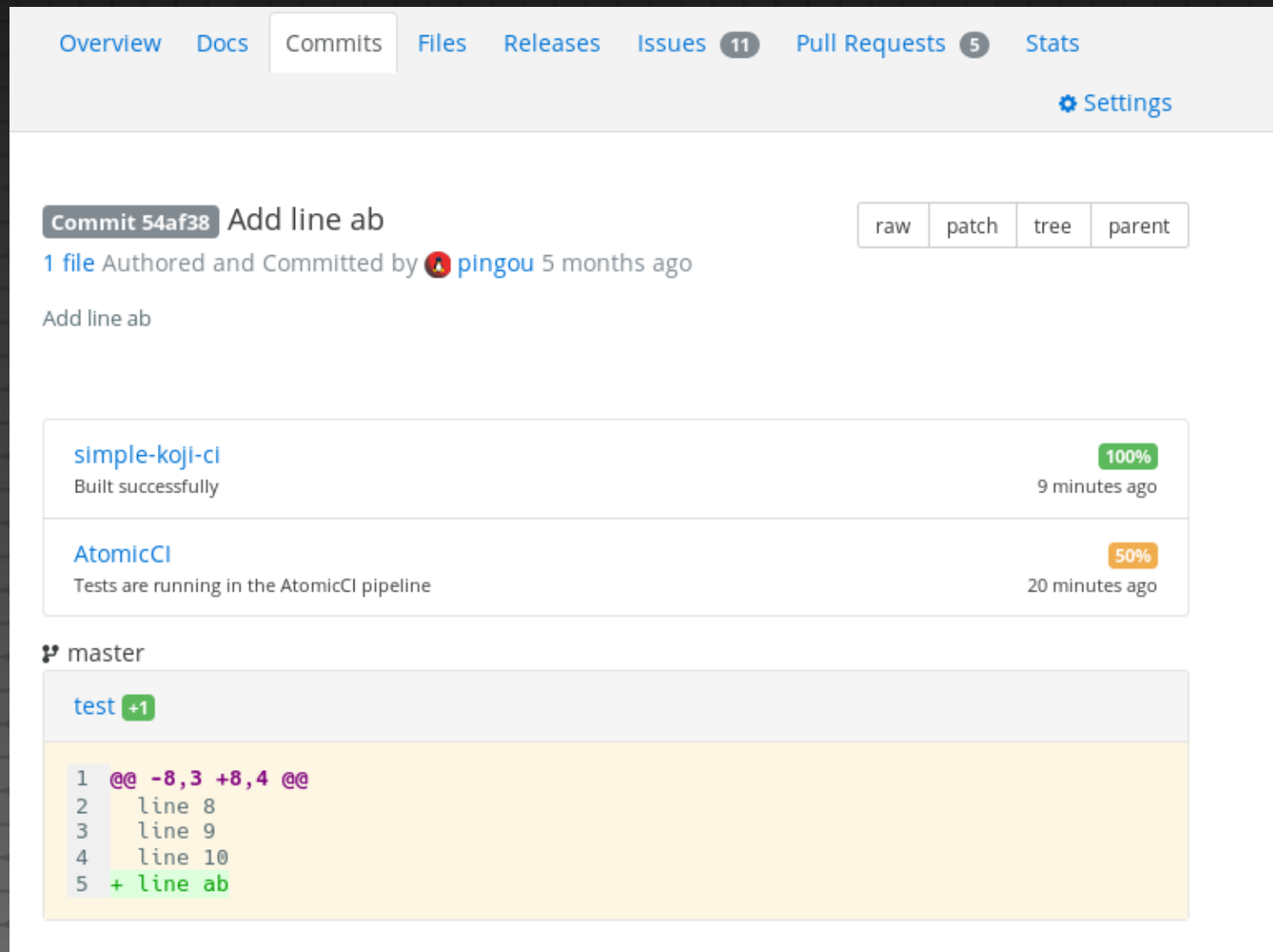
Since Fri Mar 14 2014 18:03:48 GMT+0100 (CET) there has been 7073 commits found in this repo, from 106 contributors

Pierre-Yves Chibon	5662 commits
Ryan Lerch	193 commits
Vivek Anand	172 commits
farhaanbukhsh	139 commits
Patrick Uiterwijk	126 commits
Clement Verna	96 commits
Farhaan Bukhsh	77 commits
Johan Cwiklinski	59 commits
Mark Reynolds	47 commits
Pradeep CE (cep)	32 commits

Repo stats (2)



Flag commits



The screenshot shows a GitHub commit page for the commit 54af38 titled "Add line ab". The commit was authored and committed by pingou 5 months ago. The commit message is "Add line ab". The commit is associated with the branch master. The commit shows a diff for the file test, with a summary of +1 line. The diff shows that line 8 was removed, line 9 was added, line 10 was added, and a new line ab was added. The commit is linked to two CI jobs: simple-koji-ci, which built successfully 9 minutes ago, and AtomicCI, which is running tests 20 minutes ago.

Overview Docs **Commits** Files Releases Issues 11 Pull Requests 5 Stats

Settings

Commit 54af38 Add line ab

raw patch tree parent

1 file Authored and Committed by pingou 5 months ago

Add line ab

simple-koji-ci 100%
Built successfully 9 minutes ago

AtomicCI 50%
Tests are running in the AtomicCI pipeline 20 minutes ago

master

test +1

```
1 @@ -8,3 +8,4 @@
2   line 8
3   line 9
4   line 10
5 + line ab
```

Async worker

- Quicker front-end
- Scalability
- TODO: Moar

Gitolite improvements



- Pagure sits on the top of gitolite
 - Well known
 - Audited
 - Generating – compiling the gitolite configuration for 20K+ repos was slow
 - Up to 45 minutes
 - 1 to 3 minutes
- Dedicated worker

OIDC support

- Ipsilon
 - LDAP
 - FAS
 - Local user accounts
 - ...
- Google

Local pull-requests

Working with Pull Requests

It's quite common to work with a pull request locally, either to build on top of it or to test it. You can do this by editing your git configuration as follow. Locate your remote in the `.git/config` file, for example:

```
[remote "upstream"]
  url = ssh://git@pagure.io/pagure.git
  fetch = +refs/heads/*:refs/remotes/upstream/*
```

Now add the line `fetch = +refs/pull/*/head:refs/remotes/upstream/pr/*` to this section.

```
[remote "upstream"]
  url = ssh://git@pagure.io/pagure.git
  fetch = +refs/heads/*:refs/remotes/upstream/*
  fetch = +refs/pull/*/head:refs/remotes/upstream/pr/*
```

Obviously, the remote url should be matching the url of your project (pagure project in this example).

Now you can fetch the all the pull requests:

```
$ git fetch upstream
From ssh://pagure.io/pagure
* [new ref]      refs/pull/2541/head -> upstream/pr/2541
* [new ref]      refs/pull/2540/head -> upstream/pr/2540
* [new ref]      refs/pull/2538/head -> upstream/pr/2538
```

To checkout a particular pull request:

```
$ git checkout pr/25413
Branch pr/2541 set up to track remote branch pr/2541 from upstream.
Switched to a new branch 'pr/2541'
```

Local pull-requests (2)

```
$ git ls-remote origin |grep pull
25f972591a3f8979bde4ac9348f6d7092ee15eaf refs/pull/1105/head
4ec3335e06b876d955f06eb208751349cd2e7683 refs/pull/1176/head
a9734827eeca6f66955a3f697ce75d912aa147e4 refs/pull/1450/head
519e3f6b2c4358d58b245ebed769bf1883cb939a refs/pull/1734/head
525e441b399ee50cd8477dad8735401fb4f4a3b2 refs/pull/1786/head
6ea247f70a612eb0f99ceb0ccdbe27b0ea3ccafe refs/pull/1803/head
b006ef2c9a135ad76fb523c753c4cfe14560546d refs/pull/1809/head
7aa6198acd4f25c2d6d446bd2b7cbcd1d7f2c142 refs/pull/1856/head
e10226a90b198a3da14019cb78ad1b32a2eccbb5 refs/pull/2014/head
b2d156b3debbbab8bb2ad478ff94135c67b1172d refs/pull/2288/head
cee39ed6b95e3c56b6b429c1335945e75568932e refs/pull/2310/head
0d476c9ff219fd67df43ada11432bf04964d7d4f refs/pull/2360/head
cfc404a59df0bd157501e976daff3e446f6cc25b refs/pull/2378/head
8e0e9b639f81f8d06d54ce0fb1668850e69d8854 refs/pull/2401/head
7c1f78bb4a6d39060c17263ad9d73ea59795abdd refs/pull/2408/head
6f43b32095e57fbdbbeaa0edb2ed37734574d367a refs/pull/2411/head
4af96a179912fc651e544c8ff90d9ddc9c7e6f48 refs/pull/2426/head
9d58fe87be3d6fffb02f8bf6fe30fbea196e22e34 refs/pull/2427/head
b87c0698669d4fcdf48302cdae809f87464a049c refs/pull/2436/head
e440750ed8d4c44d66a8cf52a4835f2a1b8fb19b refs/pull/2439/head
```



Past – Present – Future

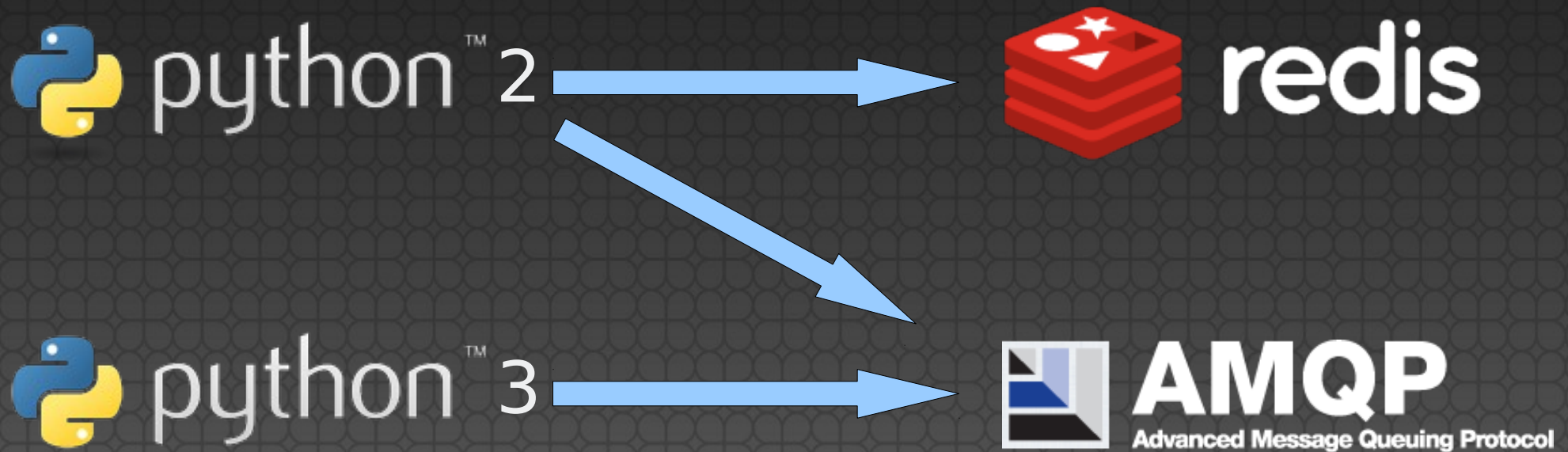
Ticket queue

- 1321 tickets opened in total
- 315 still open
 - 1006 closed \ó/

Re-architecte the sources

- Better maintainability
- Expand pagure outside of its core
 - Fedora dist-git's specific endpoints

Python3 – AmQP



Continuous Integration

- ci.centos.org
 - Support for newer jenkins
- Trigger on pull-request
 - Present
- Trigger on commits
 - To come
- Report test status to
 - PR → Present
 - Commit → To come

simple-koji-ci

rpms / python-flask-mako

★Star 0 Fork

The python-flask-mako rpms

Overview

Commits

Files

Releases

Pull Requests 1

Stats

Settings

PR#1

Update Python 2 dependency declarations to new packaging standards

Proposed 6 days ago by ishcherb

Modified 2 days ago

From forks/ishcherb/rpms/python-flask-mako

pyambiguous

Into rpms/python-flask-mako

master

This package uses names with ambiguous `python-` prefix in requirements.

According to [Fedora Packaging guidelines for Python](#), packages must use names with either `python2-` or `python3-` prefix in requirements where available. We are aiming to rename `python-*` dependencies to `python2-*`, so we can later switch the `python-*` namespace to Python 3.

This PR is part of [Fedora's Switch to Python 3 effort](#).

Note that, although this PR was created automatically, we will respond to any comments or issues which you might find with it. We will keep the PR open for review for a week, and if there's no feedback we'll merge it. There is no need to build the package right after merge, this change can wait for the next package rebuild. The local mock build passed, for Koji scratch build please see simple-koji-ci result.

Note: please do not backport this to f26, f27 branch(es) as some of the modified requirements are not available there

This PR was opened automatically, for source code see [here](#)

Comments

Files Changed 1

Commits 1

Patch

ralph

2 days ago

Thanks! You have been given permission to merge this yourself.

Add new comment

Enter your comment here

Preview

Merge

The pull-request can be merged and fast-forwarded

simple-koji-ci

Build completed

success (100%)

6 days ago

Assignee

Unassigned

Deployments

- pagure.io
- src.fedoraproject.org
- upstreamfirst.fedorainfracloud.org

- Externally



Past – Present – Future

Project-level CI

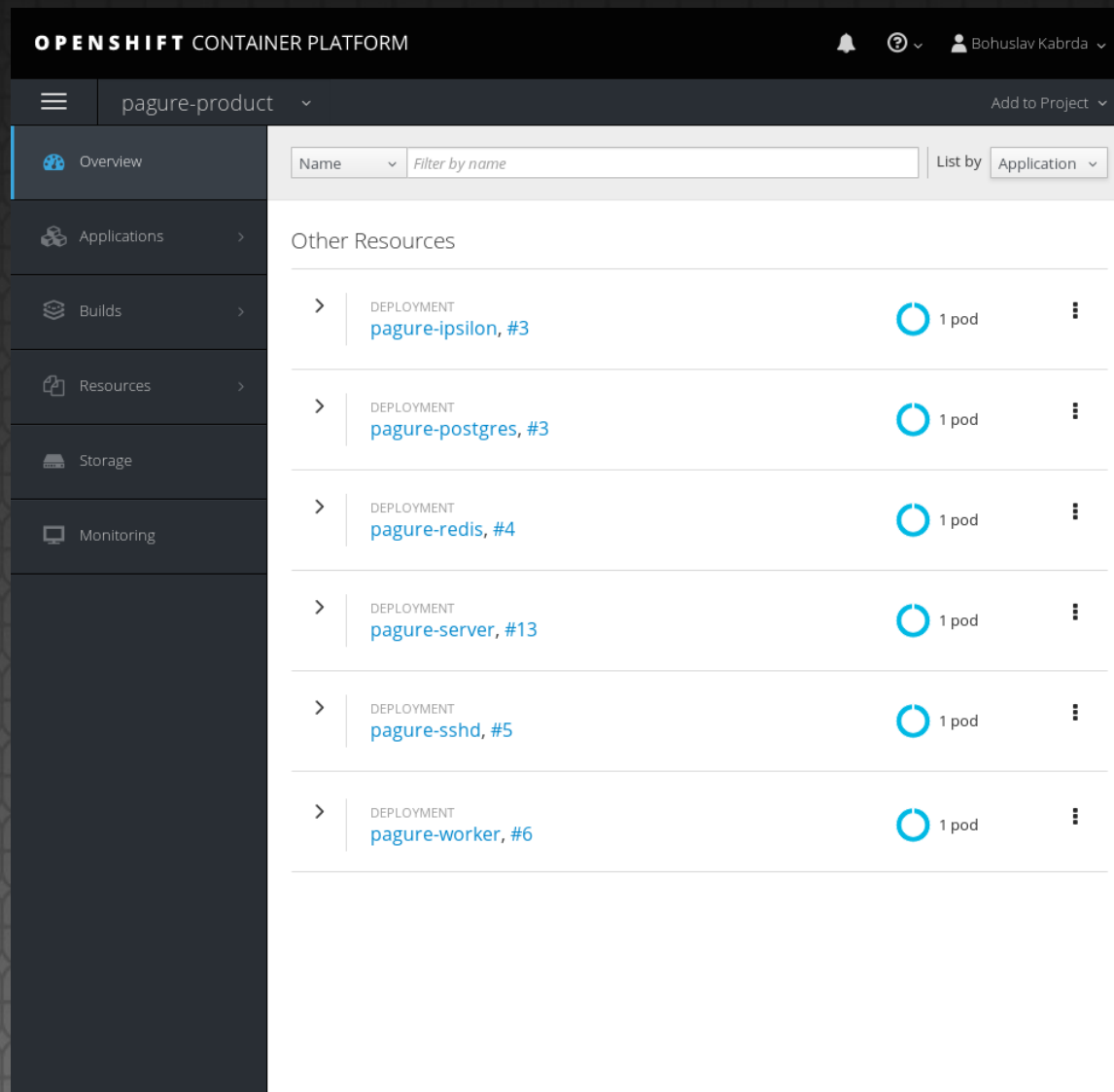
- pagure.io → ci.centos.org
- File-based opt-in

Kudos to Brian Stinson

CI on dist-git

- AtomicCI pipeline
- Package-level testing
- Pull-requests testing

OpenShift support



The screenshot displays the OpenShift Container Platform web console interface. The top navigation bar shows the 'pagure-product' namespace and a user profile for 'Bohuslav Kabrda'. The left sidebar contains navigation links for Overview, Applications, Builds, Resources, Storage, and Monitoring. The main content area, titled 'Other Resources', lists several deployments, each with a status icon (a blue circle with a white dot) and the text '1 pod'. The deployments are:

- DEPLOYMENT [pagure-ipsilon, #3](#)
- DEPLOYMENT [pagure-postgres, #3](#)
- DEPLOYMENT [pagure-redis, #4](#)
- DEPLOYMENT [pagure-server, #13](#)
- DEPLOYMENT [pagure-sshd, #5](#)
- DEPLOYMENT [pagure-worker, #6](#)

Kudos to Slavek Kabrda & Andrei Stepanov

Gitolite improvements

- Speed things up
- Most helpful upstream maintainer

Sitaram Chamarty

gitspanner

- New storage backend
- Load balance front-end

Kudos to Patrick Uiterwijk



Some final thanks

Contributors

- 2.0 – April 22, 2016 → 42 contributors
- 3.0 – June 30, 2017 → 96 contributors
- 4.0 – , 2018 → 116 contributors

31 obvious RH + 10 sneaky RH

~60% non RH

Questions?



Contact:
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