



# **Don't be the bottleneck**

**Moving forward with Open Source Communities**

**Julien Pivotto (@roidelapluie)**

**{codemotion}**

**Codemotion Berlin, October 2017**

# Julien Pivotto

- Sysadmin at [inuits](#)
- Into Open-Source for 10+ years
- Contributing code in python, go, java, javascript, puppet, ruby ... to lots of projects
- Member of Vox Pupuli
- (security officer of Vox Pupuli)



Inuits

# Open-Source

- Everyone is using open-source software nowadays
- Github is where most of the things happen: 24 millions developers working on 67 millions repos

source: <https://octoverse.github.com/>

# Awesome project!

 [thias](#) / [puppet-postfix](#)



Watch

7



Star

19




Fork

115

# Wait ...

Latest commit `e43d7e7` on Feb 2, 2016

 Pull requests **50**

 **Patch params for Ubuntu 16.04+.**

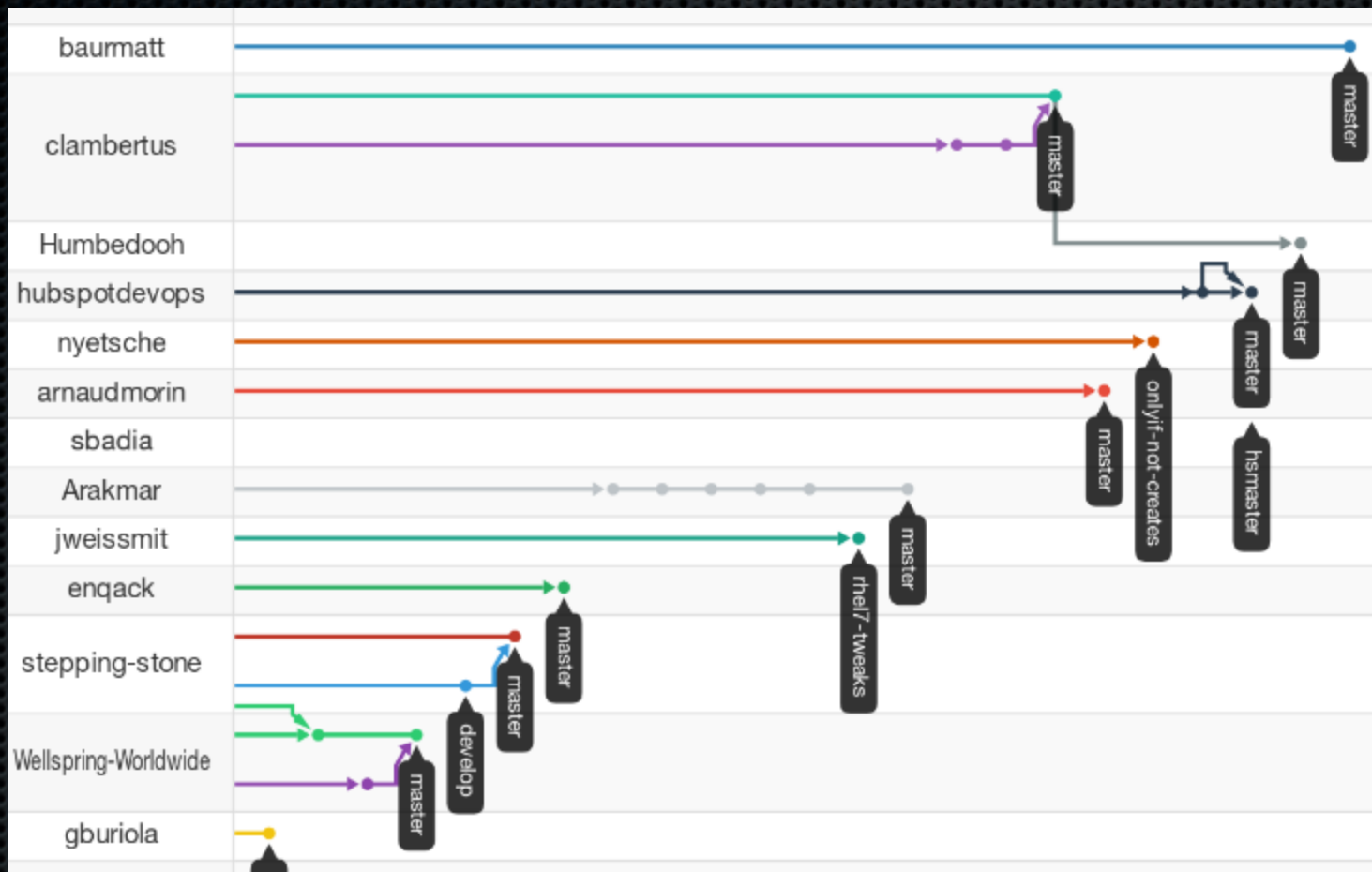
#112 opened on Mar 30 by dconry

 **correct postfix version, and new main/master templates for RHEL7**

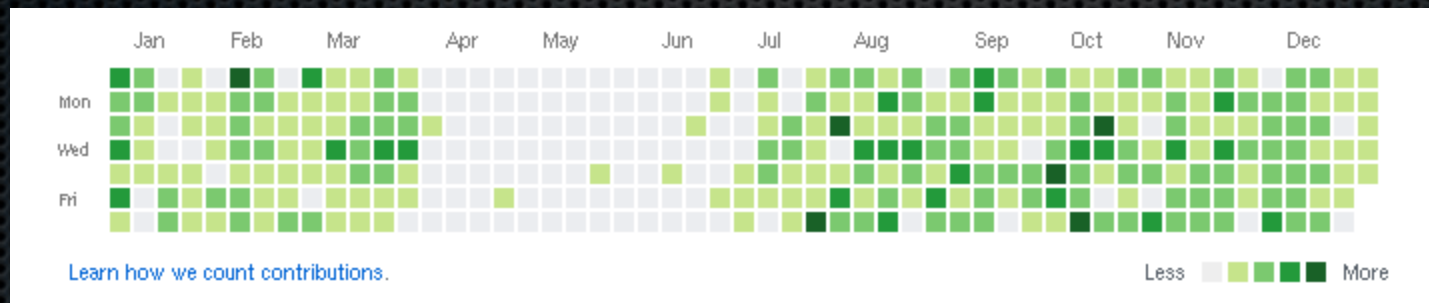
#115 opened on May 11 by jweissmit

## Pull request: Sending a piece of code to a project

**Okay ... So many people use  
this... Must be a maintained  
version somewhere?**



# What is going on ?



Life happens. Open Source takes time. Work projects change. Sometimes all at the same time.

# Bottleneck

"Bottleneck literally refers to the top narrow part of a bottle. In engineering, it refers to a phenomenon where the performance or capacity of an entire system is limited by a single or small number of components or resources." -- Wikipedia

<https://en.wikipedia.org/wiki/Bottleneck>

# How not to be a bottleneck

- As maintainer
- As community
- As contributor
- As user

# 1. Set the rules

- License
- Code of conduct
- Expectations (style guide, testing, ...)

Help people interested in this repository understand your project by adding a README.

[Add a README](#)

Create new file

LICENSE

or [cancel](#)

Choose a license template

**Apache License 2.0**

**GNU General Public License v3.0**

**MIT License**

**BSD 2-clause "Simplified" License**

A permissive license whose main conditions require preservation of copyright and license notices. Contributors provide an express grant of patent rights. Licensed works, modifications, and larger works may be distributed under different terms and without source code.

### Permissions

- ✓ Commercial use
- ✓ Modification
- ✓ Distribution
- ✓ Patent use
- ✓ Private use

### Limitations

- ✗ Trademark use
- ✗ Liability
- ✗ Warranty

### Conditions

- ⓘ License and copyright notice
- ⓘ State changes

This is not legal advice. [Learn more about repository licenses.](#)

source: [github.com](https://github.com)

CODE\_OF\_CONDUCT

or [cancel](#)

Choose a code of conduct template

## **Contributor Covenant**

Recommended for projects of all sizes









## **Citizen Code of Conduct**

Suitable for large communities or events

**Ready to get contributions :)**

## 2. Test/Automate

- Free services for open source projects: CircleCI, TravisCI.
- Write tests ... They will be run on each pull request
- Acceptance tests too
- More important: test YOUR usecase

- ☐  **Autorequire primitives and clone in cs\_location** ✓ **enhancement**  
#359 by roidelapluie was merged on Sep 13, 2016  5.x
- ☐  **Fix the two-node options with multiple nic** ✓ **bug**  
#358 by roidelapluie was merged on Sep 12, 2016  5.x
- ☐  **Clone requires its primitive** ✓ **enhancement**  
#357 by roidelapluie was merged on Sep 12, 2016  5.x
- ☐  **Adding rule property to crm location** ✓ **enhancement** **high-priority** **needs-feedback**  
#356 by roidelapluie was merged on Sep 12, 2016  5.x

✓ Pull Request #357 Clone requires its primitive

🔗 #1230 passed

Signed-off-by: Julien Pivotto <roidelapluie@inuits.eu>

🕒 Ran for 18 min

🔗 Commit 7545945

🕒 Total time 1 hr 2 min 39 sec

🔗 #357: Clone requires its primitive










📅 about a year ago

🔗 Branch master



Julien Pivotto authored and committed

## Build Jobs

✓ # 1230.1	 </> Ruby: 1.9.3	 PUPPET_VERSION="~> 3.0" STRICT_VARI..
✓ # 1230.2	 </> Ruby: 1.9.3	 PUPPET_VERSION="~> 3.0" STRICT_VARI..
✓ # 1230.3	 </> Ruby: 2.1	 PUPPET_VERSION="~> 3.0" STRICT_VARI..
✓ # 1230.4	 </> Ruby: 2.1	 PUPPET_VERSION="~> 4.0" CHECK=test
✓ # 1230.5	 </> Ruby: 2.2	 PUPPET_VERSION="~> 4.0" CHECK=test
✓ # 1230.6	 </> Ruby: 2.3.1	 PUPPET_VERSION="~> 4.0" CHECK=build..
✓ # 1230.7	 </> Ruby: 2.3.1	 PUPPET_VERSION="~> 4.0" CHECK=rubo..

# 3. Share your burden

GitHub



+



@hashibot has invited you to collaborate on the  
terraform-providers/terraform-provider-gitlab  
repository

# Transferring repo

Github allows you to transfer a repo. Use that feature! it will redirect PR, Issues, ...

**don't:**

## puppet-acl

A puppet module for POSIX ACLs

See <https://github.com/dobbymoodge/puppet-acl>

@dobbymoodge has taken the much further than I obviously had an interest for.

PS: Do all of it while your project is starting or at full speed ; do not wait for your project to be abandoned.



# Vox Pupuli

# Vox Pupuli

- A community around "puppet modules"
- Puppet modules are small reusable pieces of code to manage infrastructure (servers, services, deployments, ...)
- Vox Pupuli was created to deal with these problems of maintainership

# Some numbers (oct 12 2017)

- 107 people
- 136 repositories
- 4027 issues (1061 open)
- 9885 PR (321 open)

# Why are we not the bottleneck?

- License
- Code of Conduct
- Readme's
- Tests
- Sharing the burden
- Yes that is what I said before – except at scale

# Organisation

Everything is written down:

<https://github.com/voxpupuli/plumbing/>

<https://github.com/voxpupuli/plumbing/blob/master/share/governance.md>

Because it is in git you can send pull request,  
check history...

# Code of Conduct

- We have a PMC (Project management committee) elected on a yearly basis
- Main task is to enforce the COC
- Maintaining a welcoming atmosphere for everyone
- COC useless if not enforced

# Single stop for security issues

Single page with single point of contact:

<https://voxpupuli.org/security/>

# Automation

Modulesync

<https://github.com/voxpupuli/modulesync>

Share files between repos / create pull requests on change

- Align CI settings
- Align code of conduct, contributing rules...

1,691 issues

---



Update **modulesync**

voxpupuli/puppet-windows\_firewall   Opened by TraGicCode 9 days ago

---



**Modulesync** 1.2.0

voxpupuli/puppet-windows-env   Opened by TraGicCode 9 days ago   8 comments

# Sharing the burden

Migration guide:

<https://voxpupuli.org/docs/>

Welcome projects

Blocked PR? Hang on IRC, twitter, ... And see who can help.



**Stefan Goethals** @zipkid · Sep 19

@voxpupuliorg Hi, feel like merging cool features? :-)



**Support Nexus 3 urls for artifact downloads by rvdh · ...**

Nexus 3 no longer supports the old url format.

[github.com](#)



1



1



**Vox Pupuli**

@voxpupuliorg

Follow

Replying to @zipkid

how come you don't have merge access to do that yourself?

1:21 AM - 19 Sep 2017



2



# Who invests in Vox Pupuli?

- Contributors coming from many companies
- Hobbyists
- Puppet Inc.

# Namespace

Working in our own github namespace ensure that even if contributors switches priorities, change work, ... the repo stays at the same place.

If you think your project will last in time, put it in an organisation.

# Conclusion

- Rules matter ; licence, coc, style guide
- Testing is important ; many tools out there are free for OSS projects
- For specific areas, creating communities is relevant

# Where to find us?

- [github.com/voxpupuli](https://github.com/voxpupuli)
- [voxpupuli@groups.io](mailto:voxpupuli@groups.io)
- [voxpupuli.org](https://voxpupuli.org)

## Documentation

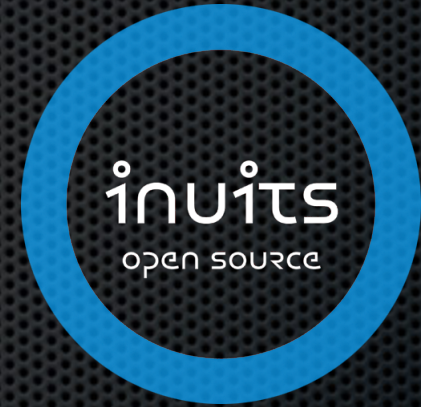
- <https://voxpupuli.org/docs/>
- <https://voxpupuli.org/security/>



Julien Pivotto

*roidelapluie*

roidelapluie@inuits.eu



Inuits

<https://inuits.eu>

info@inuits.eu