

Automating the Vox Pupuli Yak Shaving

Automate all the yak shaving!

\$ whoami

- Tim 'bastelfreak' Meusel
- Puppet Contributor since 2012
- Merging stuff on [Vox Pupuli](#) (Puppet Community) since 2015
- Vox Pupuli Project Management Committee member

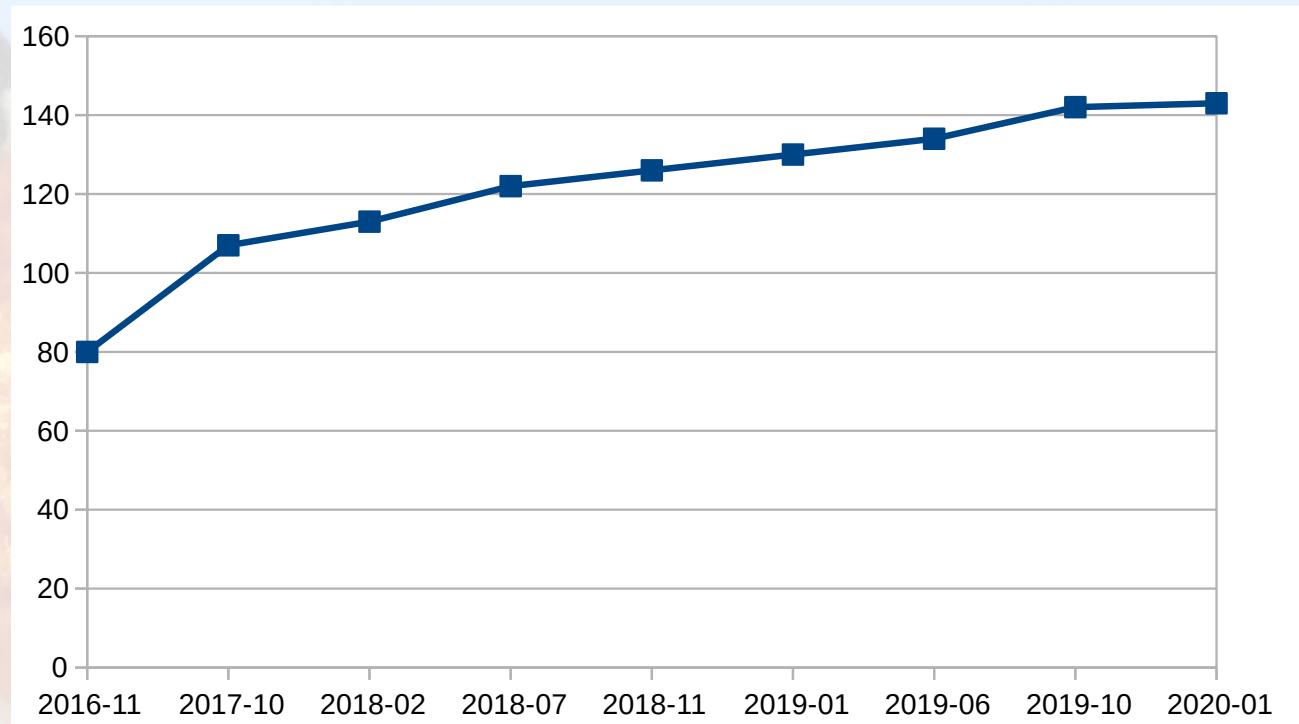
\$ whoami

- Robert 'flipez' Müller
- Ruby Developer since 2013
- Builds clouds

What's this Vox Pupuli thingy?

Vox Pupuli

- Amount of Vox Pupuli members with merge permissions



@Was1NicerDude & @bastelsblog for @voxpupuliorg

The path of a Open Source Maintainer...

What do we do?



Yak shaving

Dependencies



@Was1NicerDude & @bastelsblog for @voxpupuliorg

Yak shaving

Dependencies

```
10  "dependencies": [
11    {
12      "name": "puppetlabs(concat",
13      "version_requirement": ">= 4.1.0 < 7.0.0"
14    },
15    {
16      "name": "puppetlabs(stdlib",
17      "version_requirement": ">= 4.25.0 < 7.0.0"
18    }
19  ],
```

@Was1NiceDude & @bastelsblog for @voxpupuliorg

Yak shaving

Dependencies

```
59     "requirements": [  
60         {  
61             "name": "puppet",  
62             "version_requirement": ">= 5.5.8 < 7.0.0"  
63         }  
64     ]
```

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Yak shaving

Dependencies

```
29     "operatingsystem": "RedHat",
30     "operatingsystemrelease": [
31         "6",
32         "7"
33     ]
34 }
```

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Yak shaving

Dependencies

Labels

19 labels

backwards-incompatible

beginner-friendly

bug

docs

duplicate

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Yak shaving

Dependencies

Labels

Modulesync

- Many files are identical across our modules
 - CONTRIBUTING.md, rspec configuration
- Many files are very similar
 - .travis.yml, Gemfile, Rakefile

Yak shaving

Dependencies

Labels

Modulesync

- modulesync was initially developed by Puppet Inc.
- Now maintained by Vox Pupuli
- a template directory + configuration file for every module

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Yak shaving

Dependencies

Labels

Modulesync

Releases

Found 124 modules by Vox Pupuli

Filter by Puppet version: Sort by:

 **prometheus**
puppet

Approved

This module installs, configures and manages the Prometheus service.
Version 8.2.1

Updated 4 days ago
Total downloads 772,957
Quality score 4.9 ?

 **nginx**
puppet

Approved

Puppet NGINX management module
Version 1.1.0

Updated 4 days ago
Total downloads 47,012,744
Quality score 4.2 ?

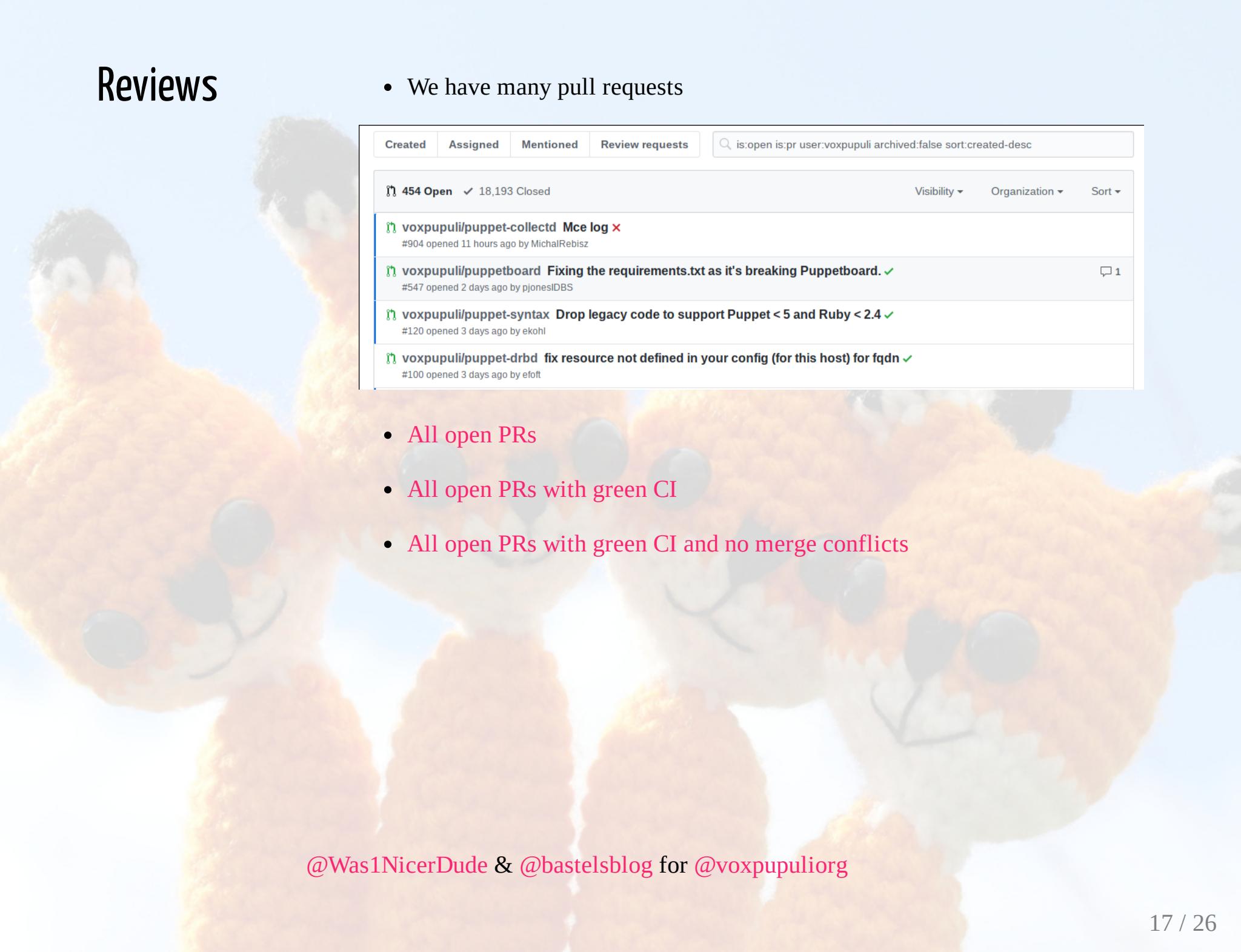
@Was1NiceDude & @bastelsblog for @voxpupuli.org

The path of a Open Source Maintainer...

What do we actually do?

Reviews

- We have many pull requests



A screenshot of a GitHub search results page for the organization 'voxpupuli'. The search bar at the top contains the query 'is:open is:pr user:voxpupuli archived:false sort:created-desc'. Below the search bar, there are tabs for 'Created', 'Assigned', 'Mentioned', and 'Review requests', with 'Review requests' being the active tab. The results show 454 open pull requests. The first four results are listed:

- voxpupuli/puppet-collectd Mce log - #904 opened 11 hours ago by MichalRebisz
- voxpupuli/puppetboard Fixing the requirements.txt as it's breaking Puppetboard. - #547 opened 2 days ago by pjonesIDBS
- voxpupuli/puppet-syntax Drop legacy code to support Puppet < 5 and Ruby < 2.4 - #120 opened 3 days ago by ekohl
- voxpupuli/puppet-drbd fix resource not defined in your config (for this host) for fqdn - #100 opened 3 days ago by efoft

On the right side of the results table, there are filters for 'Visibility', 'Organization', and 'Sort'.

- All open PRs
- All open PRs with green CI
- All open PRs with green CI and no merge conflicts

@Was1Nicerdude & @bastelsblog for @voxpupuliorg

Reviews

More labels

Labels



enhancement

needs-work

- New feature? enhancement label
- Additional work required? needs-work

Reviews

More labels

- Labels allow us to search/filter pull requests and issues
- The changelog can be generated based on assigned labels

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Reviews

More labels

Email Addresses

- Ensure that an author has their email address in Git and github.com in sync
 - Otherwise GitHub fails to account the contribution properly

A screenshot of a GitHub pull request interface. The PR is titled "fix(is_master-fact): use --ssl if --sslPEMKeyFile or --sslCAFile is s...". It shows a commit by user "bastelfreak" adding a "bug" label 4 minutes ago. The user then requested a review from "ekohl" 3 minutes ago. A comment from "bastelfreak" 3 minutes ago reads: "Thanks for the PR @buchstabensalat. Can you take a look at the used email address in the commit? It isn't associated with your github account." The GitHub interface includes standard UI elements like a member status indicator and a reply button.

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Reviews

More labels

Email Addresses

Templates

- Ensure that new templates are always **epp**, not **erb**
 - Epp templates have proper scopes and datatypes

1 + <Plugin mcelog>

bastelfreak now Member

can you please convert this to an epp template? We require this for new templates. For our other review guidelines please have a look at https://voxpupuli.org/docs/reviewing_pr/

Reply...

Resolve conversation

@Was1NicerDude & @bastelsblog for @voxpupuliorg

Let us solve all our problems!

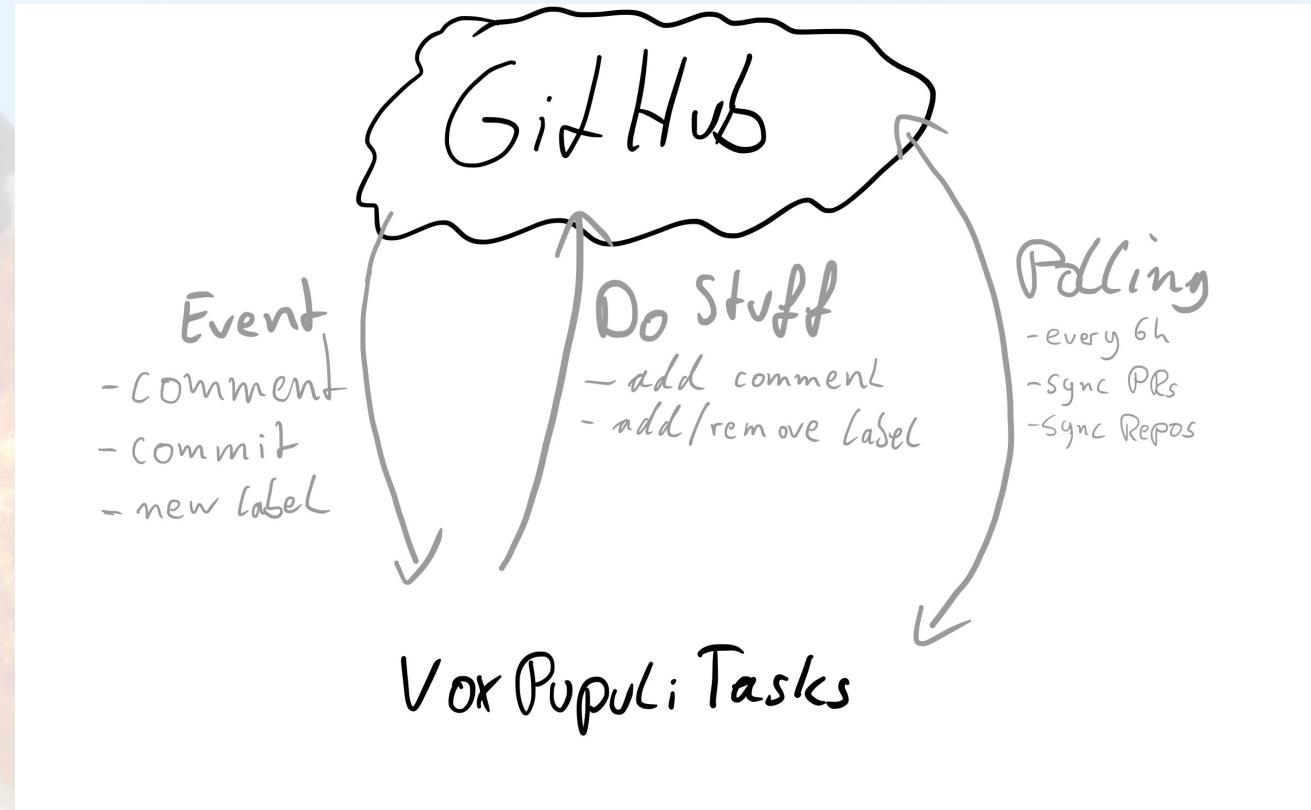
VPT

AUTOMATE



@Was1NicerDude & @bastelsblog for @voxpupuliorg

VPT



@Was1NiceDude & @bastelsblog for @voxpupuliorg

```
case type
when 'pull_request'
  # Ignore events which are triggered by the bot
  return if payload.dig('sender', 'id').to_i == 53_702_691

  if Repository.notably? payload['repository']['name']
    @processor = GithubEvent::PullRequest.new(payload)
  end
when *known_but_ignoreable_events
  true
else
  Raven.capture_message("Unknown Hook Received: #{type}", extra: pa
end
```

@Was1NiceDude & @bastelsblog for @voxpupuliorg

```
def validate(saved_changes)
  # Don't run through the validate, if only the eligible_for_comment attribute
  return if saved_changes.keys.sort == %w[eligible_for_comment].sort &&
  # if the pull request is now closed, dont attach/remove labels/comments
  return if closed?

  label = Label.needs_rebase
  if mergeable == true
    ensure_label_is_detached(label)
    update(eligible_for_comment: true)
  elsif mergeable == false
    repository.ensure_label_exists(label)

    ##
    # We only add a comment if we added a label. If the label already is present
    # we also already added the comment. So no need for a new one.
    add_comment(I18n.t('c.needs_rebase', author: author)) if ensure_label?
  elsif mergeable.nil?
    UpdateMergeableWorker.perform_in(1.minute.from_now,
                                      repository.name,
                                      number,
                                      id,
                                      saved_changes)

  end
end
```

@Was1NiceDude & @bastelsblog for @voxpupuliorg