

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

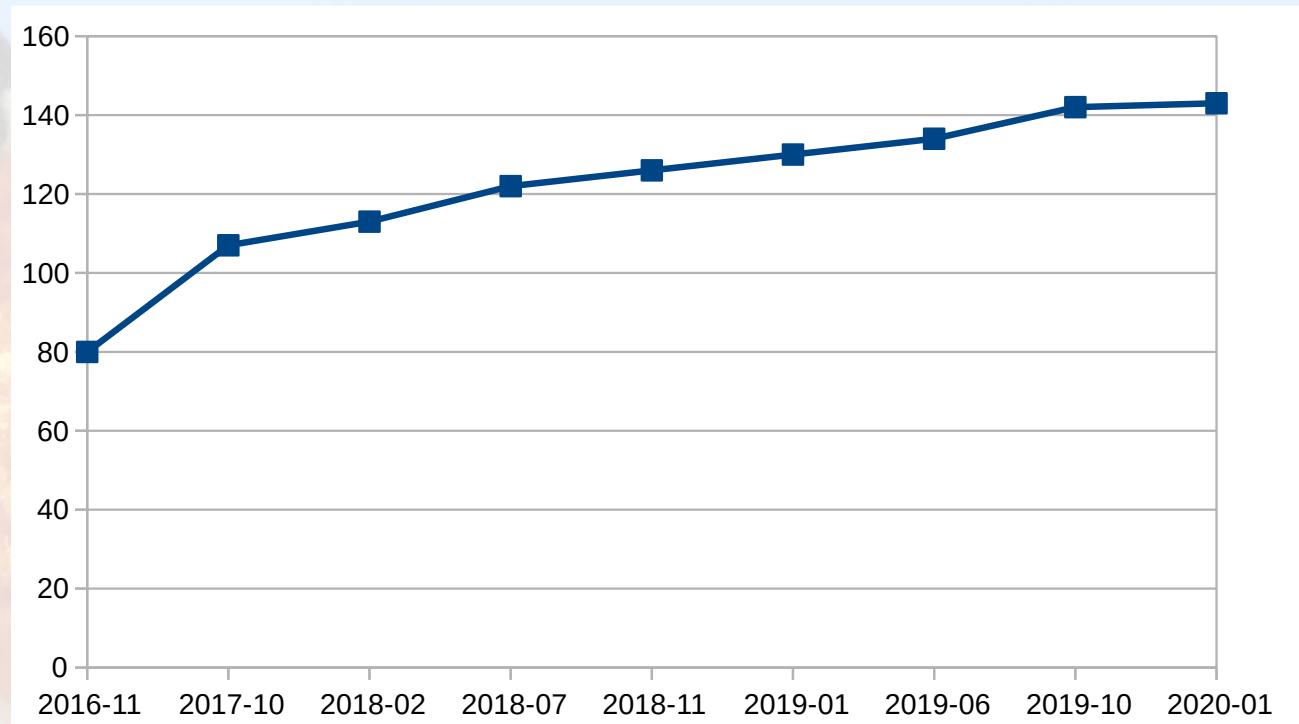
\$ whoami

- 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



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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  ],
```

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Yak shaving

Dependencies

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

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Dependencies

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

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Yak shaving

Dependencies

Labels

19 labels

backwards-incompatible

beginner-friendly

bug

docs

duplicate

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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

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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 ?

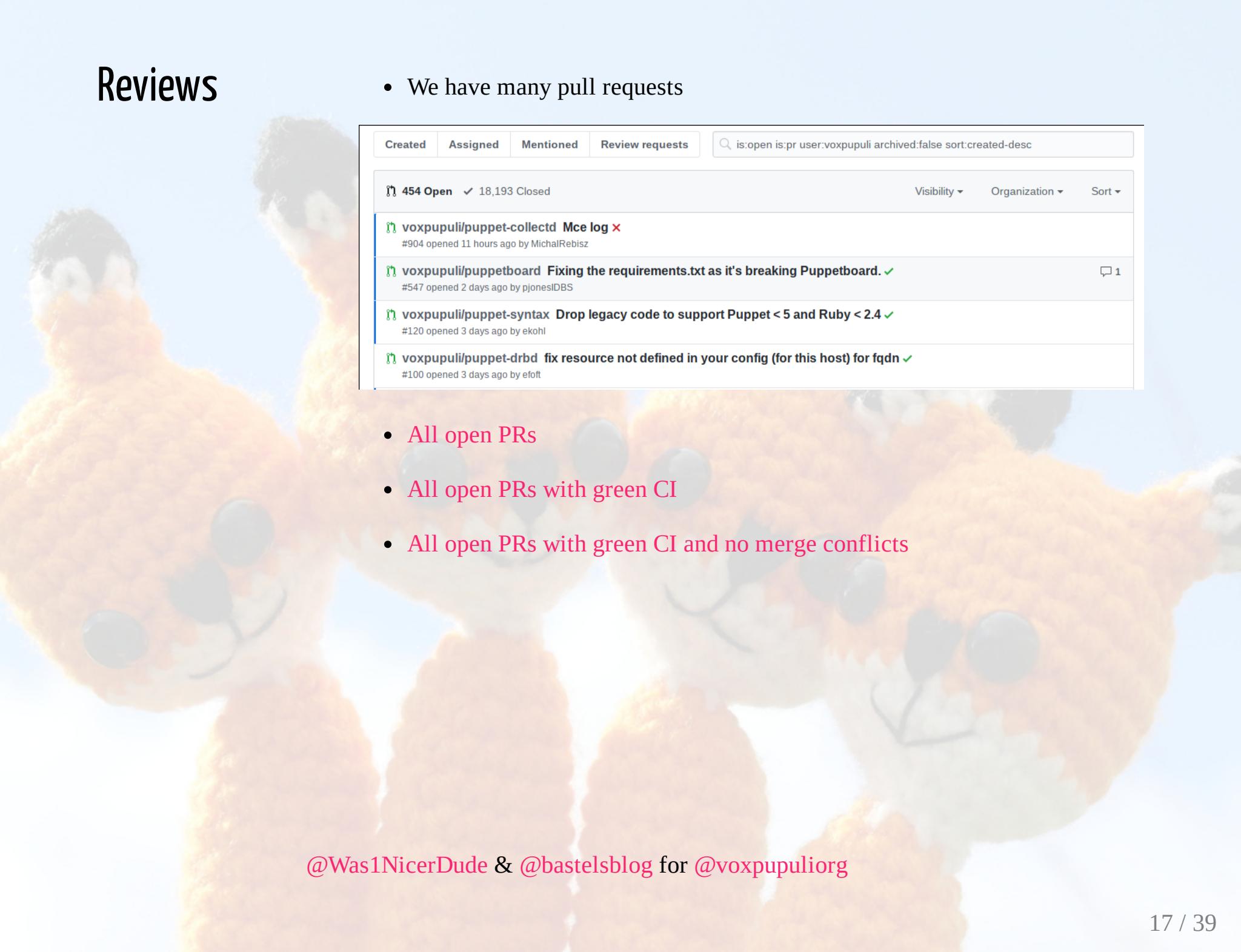
@Was1NiceDude & @bastelsblog for @voxpupuli.org

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 repository "voxpupuli/puppet". The search query is "is:open is:pr user:voxpupuli archived:false sort:created-desc". The results show 454 open pull requests. The first four pull requests 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

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

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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

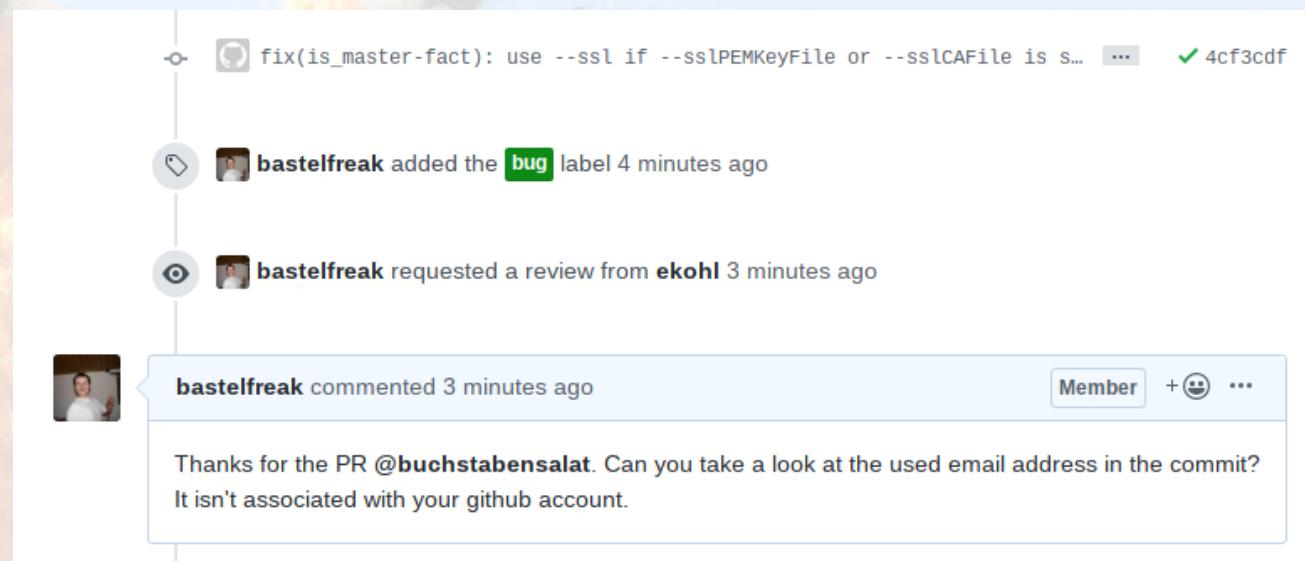
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Reviews

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



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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

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Let us solve all our problems!

VPT

AUTOMATE



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"There is this script. Do you think we can improve it?"

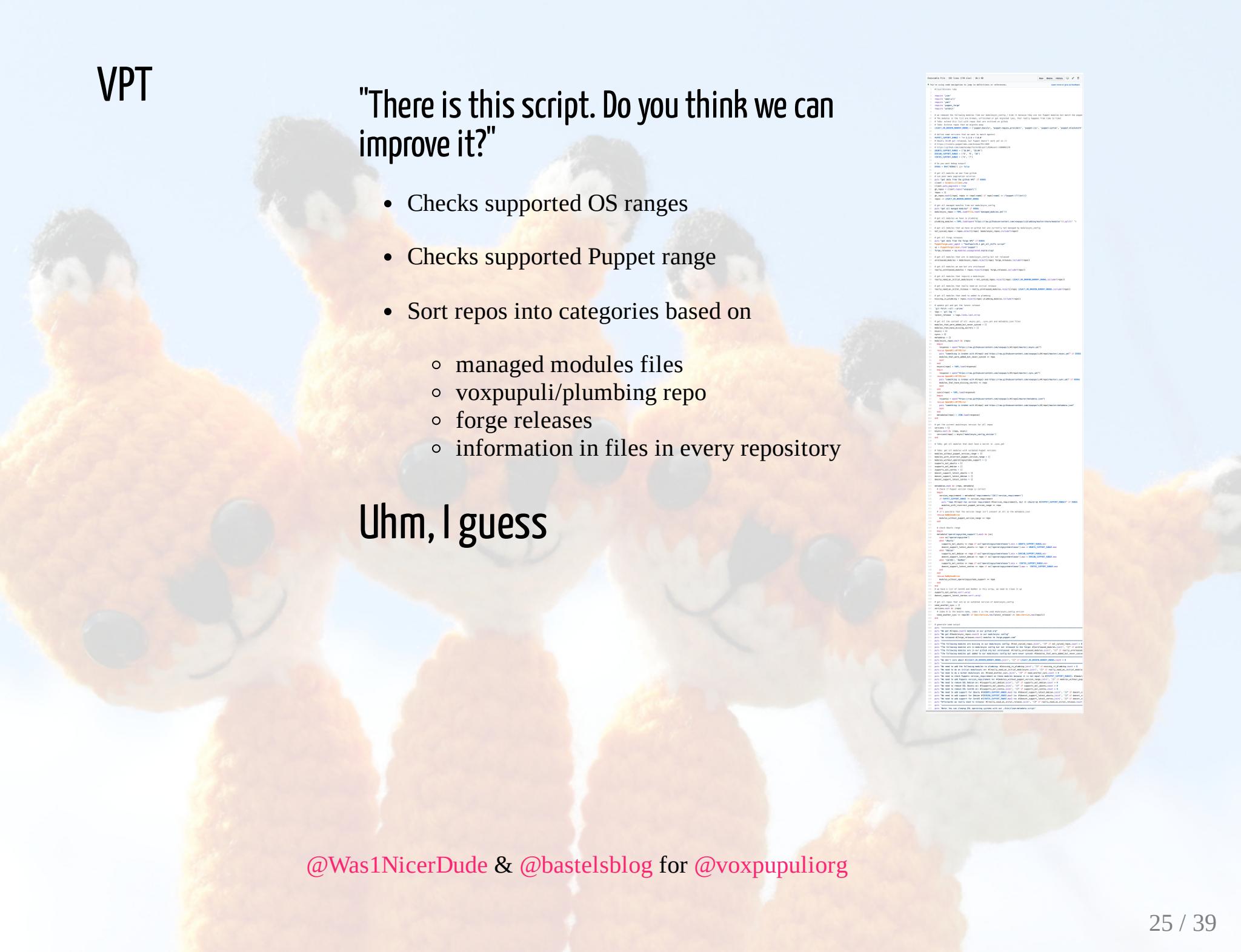
- Checks supported OS ranges
 - Checks supported Puppet range
 - Sort repos into categories based on
 - managed modules files
 - voxpupuli/plumbing repo
 - forge releases
 - information in files in every repository

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"There is this script. Do you think we can improve it?"

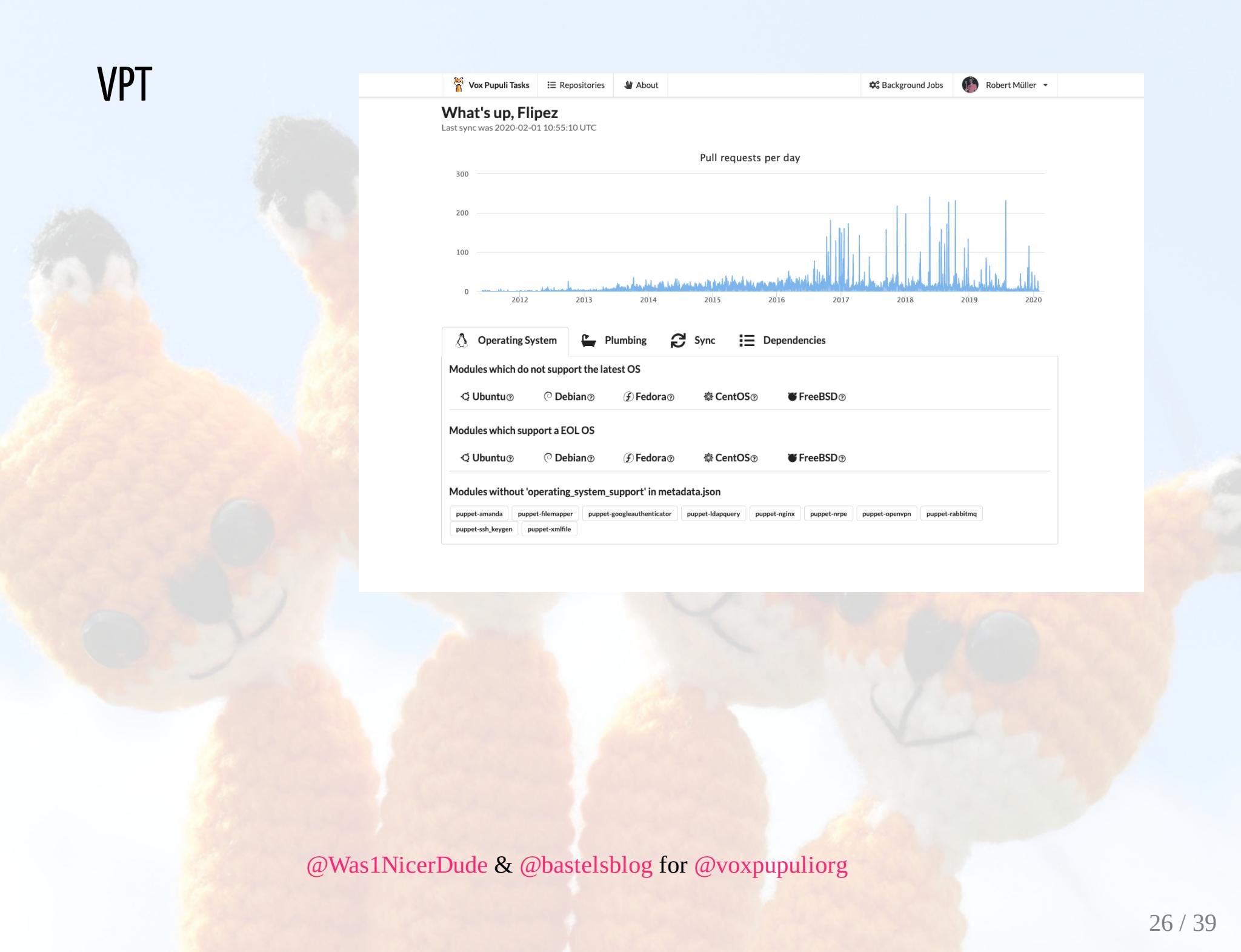
- Checks supported OS ranges
- Checks supported Puppet range
- Sort repos into categories based on
 - managed modules files
 - voxpupuli/plumbing repo
 - forge releases
 - information in files in every repository

Uhm, I guess



```
#!/usr/bin/python
# This file is part of the VPT project.
# Copyright (C) 2013-2014 by the authors of the project.
# For more information on this project, please visit https://github.com/voxpupuli/vpt
#
# This program is free software: you can redistribute it and/or modify
# it under the terms of the GNU Affero General Public License as published
# by the Free Software Foundation, either version 3 of the License, or
# (at your option) any later version.
#
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU Affero General Public License for more details.
#
# You should have received a copy of the GNU Affero General Public License
# along with this program. If not, see <http://www.gnu.org/licenses/>.
```

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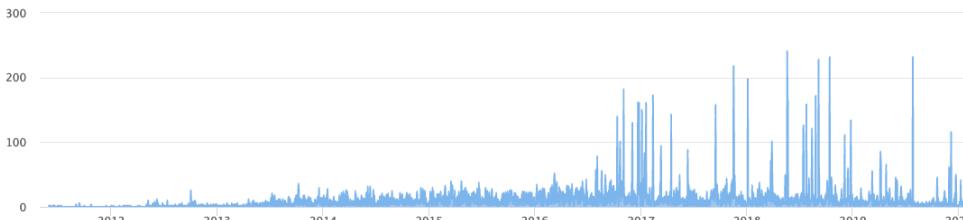


Vox Pupuli Tasks Repositories About Background Jobs Robert Müller

What's up, Flipez

Last sync was 2020-02-01 10:55:10 UTC

Pull requests per day



Operating System Plumbing Sync Dependencies

Modules which do not support the latest OS

- Ubuntu
- Debian
- Fedora
- CentOS
- FreeBSD

Modules which support a EOL OS

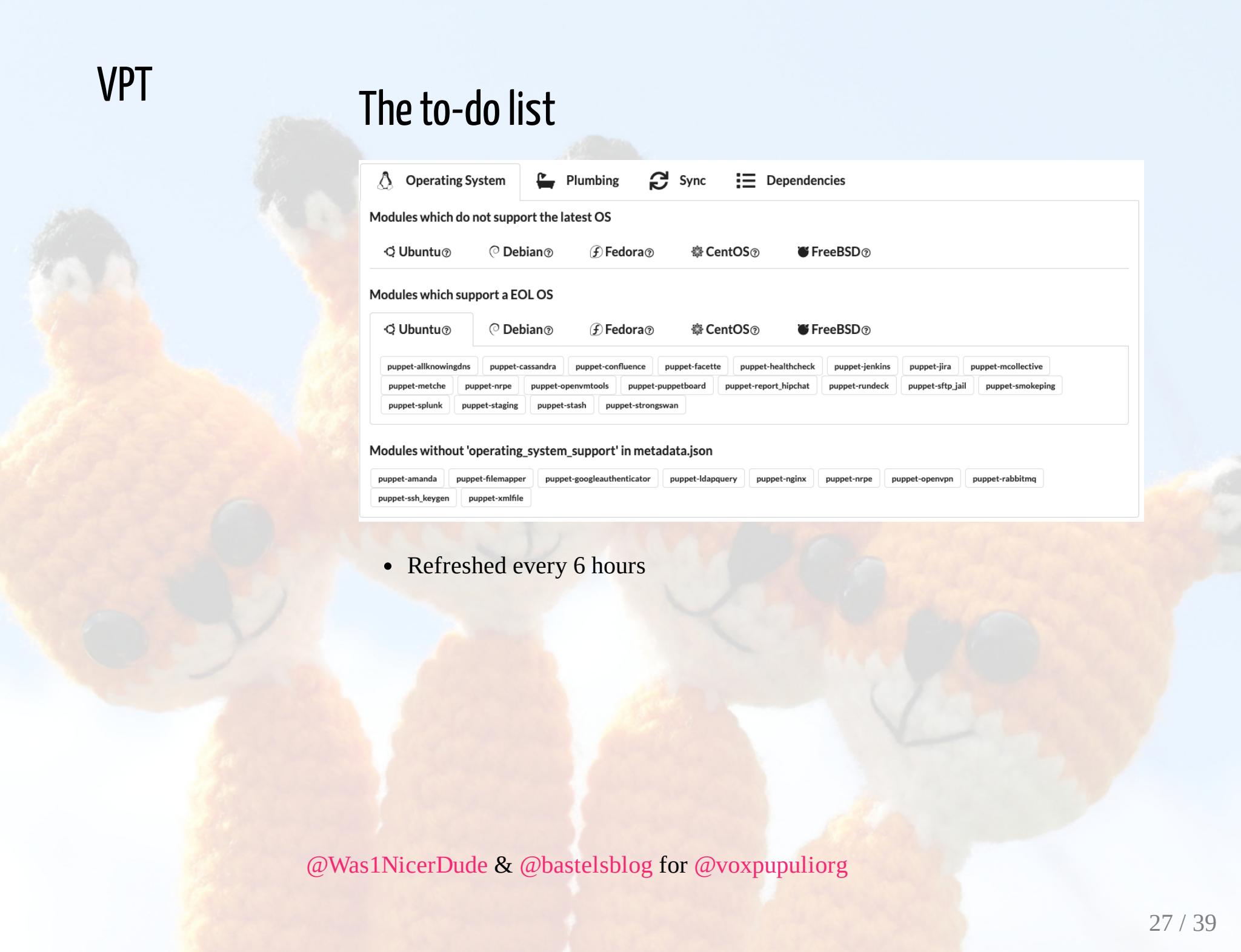
- Ubuntu
- Debian
- Fedora
- CentOS
- FreeBSD

Modules without 'operating_system_support' in metadata.json

- puppet-amanda
- puppet-filemaker
- puppet-googleauthenticator
- puppet-ldapquery
- puppet-nginx
- puppet-nrpe
- puppet-openvpn
- puppet-rabbitmq
- puppet-ssh_keygen
- puppet-xmfile

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The to-do list



The slide displays a screenshot of a web application interface titled "The to-do list". The interface includes a navigation bar with tabs: "Operating System", "Plumbing", "Sync", and "Dependencies". Below the tabs, there are sections for "Modules which do not support the latest OS" and "Modules which support a EOL OS". The "Operating System" tab is currently selected. Under "Modules which do not support the latest OS", there are links for Ubuntu, Debian, Fedora, CentOS, and FreeBSD. Under "Modules which support a EOL OS", there are also links for Ubuntu, Debian, Fedora, CentOS, and FreeBSD. A list of specific modules is shown under each operating system section. The "Modules without 'operating_system_support' in metadata.json" section shows a list of modules that do not have this specific configuration. The modules listed in the various sections include:

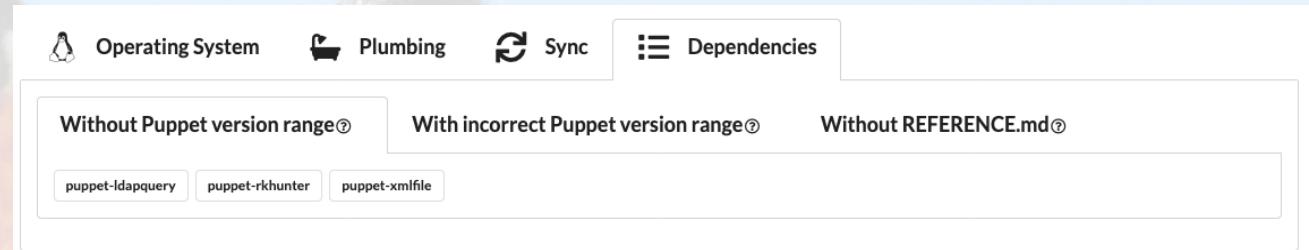
- Modules which do not support the latest OS:**
 - Ubuntu: puppet-allknowingdns, puppet-cassandra, puppet-confluence, puppet-facette, puppet-healthcheck, puppet-jenkins, puppet-jira, puppet-mcollective
 - Debian: puppet-metche, puppet-nrpe, puppet-openvmtools, puppet-puppetboard, puppet-report_hipchat, puppet-rundeck, puppet-sftp_jail, puppet-smokeping
 - Fedora: puppet-splunk, puppet-staging, puppet-stash, puppet-strongswan
 - CentOS: puppet-amanda, puppet-filemaker, puppet-googleauthenticator, puppet-ldapquery, puppet-nginx, puppet-nrpe, puppet-openvpn, puppet-rabbitmq
 - FreeBSD: puppet-ssh_keygen, puppet-xmfile
- Modules which support a EOL OS:**
 - Ubuntu: puppet-allknowingdns, puppet-cassandra, puppet-confluence, puppet-facette, puppet-healthcheck, puppet-jenkins, puppet-jira, puppet-mcollective
 - Debian: puppet-metche, puppet-nrpe, puppet-openvmtools, puppet-puppetboard, puppet-report_hipchat, puppet-rundeck, puppet-sftp_jail, puppet-smokeping
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 - puppet-metche, puppet-nrpe, puppet-openvmtools, puppet-puppetboard, puppet-report_hipchat, puppet-rundeck, puppet-sftp_jail, puppet-smokeping
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 - puppet-amanda, puppet-filemaker, puppet-googleauthenticator, puppet-ldapquery, puppet-nginx, puppet-nrpe, puppet-openvpn, puppet-rabbitmq
 - puppet-ssh_keygen, puppet-xmfile

- Refreshed every 6 hours

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The to-do list

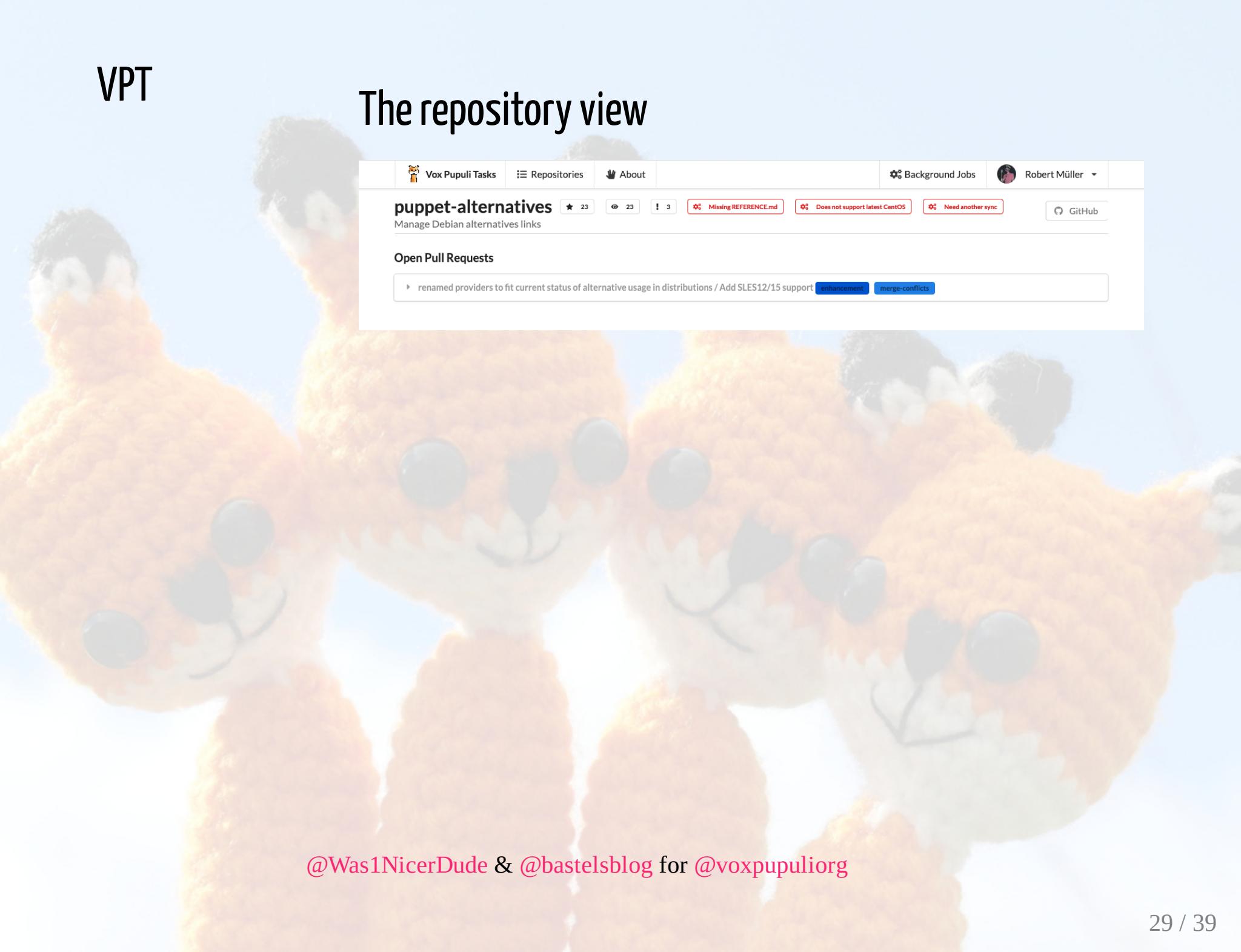


- Refreshed every 6 hours

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The repository view



A screenshot of a web application interface. At the top, there is a navigation bar with links for "Vox Pupuli Tasks", "Repositories", "About", "Background Jobs", and a user profile for "Robert Müller". Below the navigation bar, the main content area shows a repository named "puppet-alternatives". The repository has 23 stars, 23 forks, 3 issues, and several status indicators: "Missing REFERENCE.md", "Does not support latest CentOS", and "Need another sync". There is also a "GitHub" button. Below this, a section titled "Open Pull Requests" lists one item: "renamed providers to fit current status of alternative usage in distributions / Add SLES12/15 support" with labels "enhancement" and "merge conflicts".

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What else did we do?

How to actually learn any new programming concept



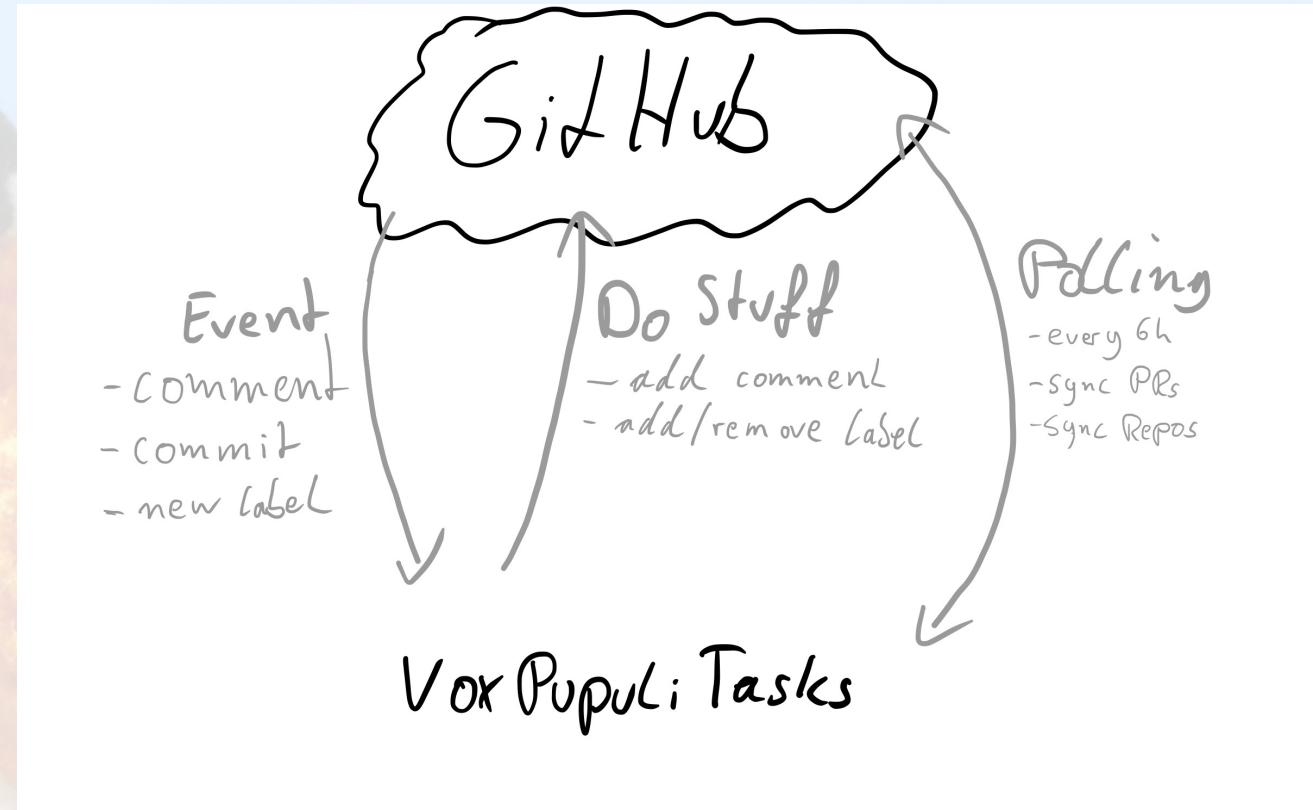
Essential

Changing Stuff and
Seeing What Happens

O RLY?

@ThePracticalDev

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```
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
```

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```
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?

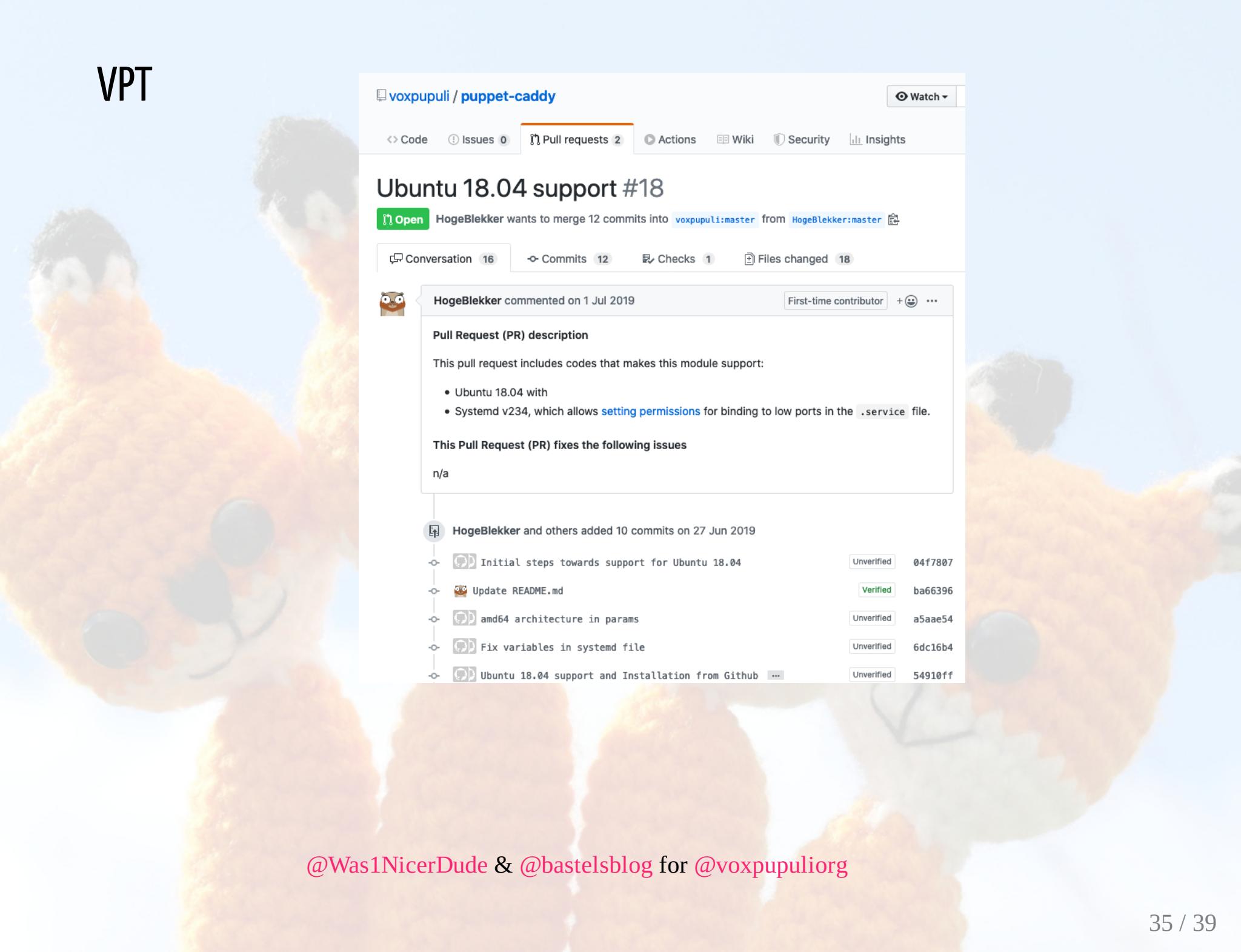
  label = Label.needs_rebase
  if mergeable == true
    ensure_label_is_detached(label)
  elsif mergeable == false
    repository.ensure_label_exists(label)

  ##
  # 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
```

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voxpupuli / puppet-caddy

Code Issues 0 Pull requests 2 Actions Wiki Security Insights Watch

Ubuntu 18.04 support #18

Open HogeBlekker wants to merge 12 commits into `voxpupuli:master` from `HogeBlekker:master`

Conversation 16 Commits 12 Checks 1 Files changed 18

HogeBlekker commented on 1 Jul 2019 First-time contributor + ...

Pull Request (PR) description

This pull request includes codes that makes this module support:

- Ubuntu 18.04 with
- Systemd v234, which allows [setting permissions](#) for binding to low ports in the `.service` file.

This Pull Request (PR) fixes the following issues

n/a

HogeBlekker and others added 10 commits on 27 Jun 2019

-  Initial steps towards support for Ubuntu 18.04 Unverified 04f7807
-  Update README.md Verified ba66396
-  amd64 architecture in params Unverified a5aae54
-  Fix variables in systemd file Unverified 6dc16b4
-  Ubuntu 18.04 support and Installation from Github ... Unverified 54910ff

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Add more commits by pushing to the **master** branch on [HogeBlekker/puppet-caddy](#).

 All checks have passed [Show all checks](#)

 This branch has conflicts that must be resolved
Use the [web editor](#) or the [command line](#) to resolve conflicts. [Resolve conflicts](#)

Conflicting files

- .fixtures.yml
- manifests/config.pp
- manifests/params.pp
- metadata.json
- spec/classes/config_spec.rb
- spec/classes/package_spec.rb
- spec/defines/vhost_spec.rb

[Merge pull request](#) ▾ You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

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vox-pupuli-tasks bot added the **merge-conflicts** label on 13 Dec 2019

vox-pupuli-tasks bot commented on 13 Dec 2019

Dear @HogeBlekker, thanks for the PR!

This is pccibot, your friendly Vox Pupuli GitHub Bot. I noticed that your pull request contains merge conflict. Can you please rebase?

You can find my sourcecode at [voxpupuli/vox-pupuli-tasks](#)

@Was1NicerDude & @bastelsblog for @voxpupuliorg

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dhoppe removed the **merge-conflicts** label 27 days ago

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vox-pupuli-tasks bot added the **merge-conflicts** label 27 days ago

Add more commits by pushing to the **master** branch on [HogeBlekker/puppet-caddy](#).

All checks have passed

2 successful checks

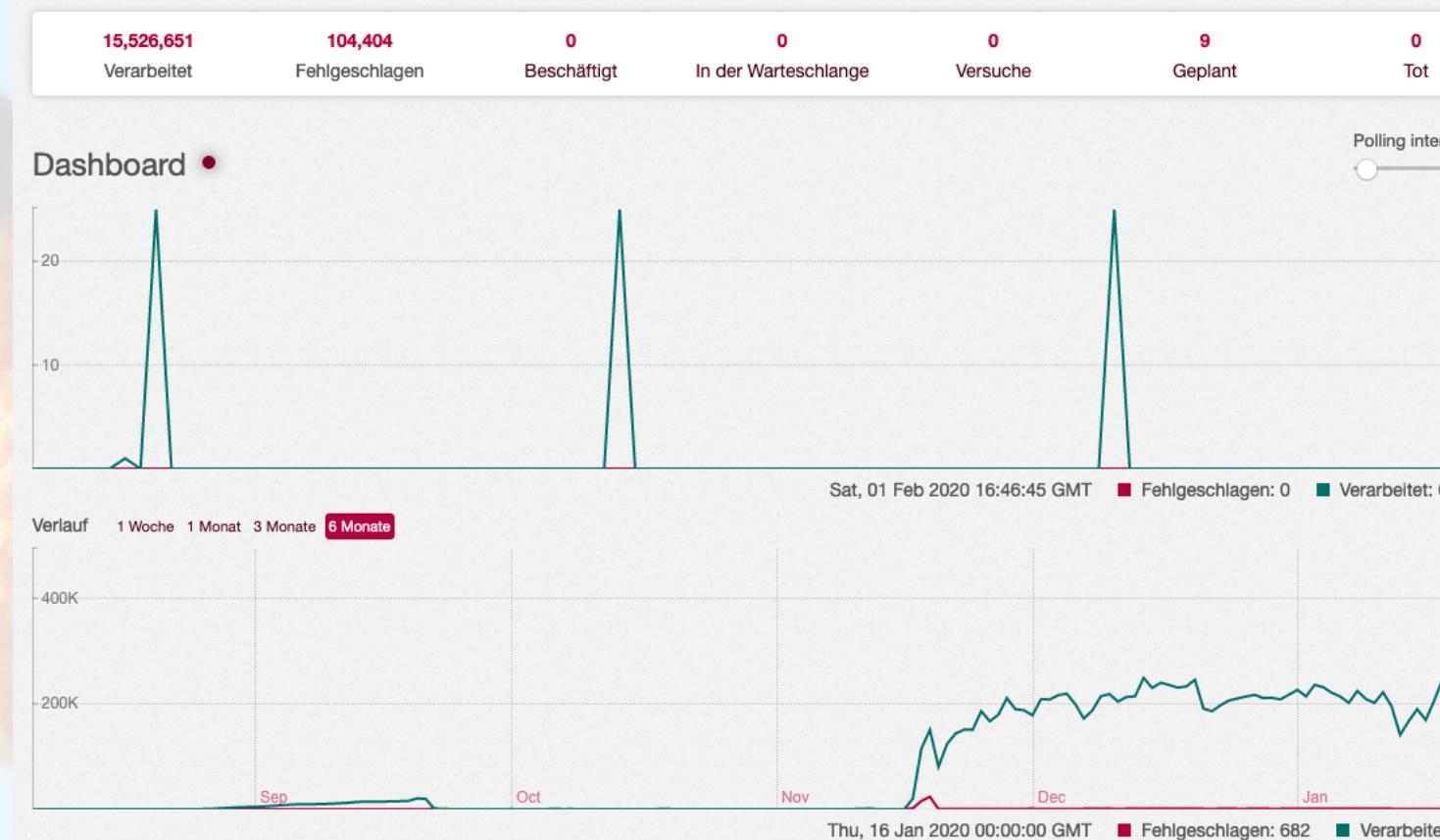
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Resolve conflicts

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