

Vox Pupuli - Die Community hinter Puppet

OSAD 2019 Edition

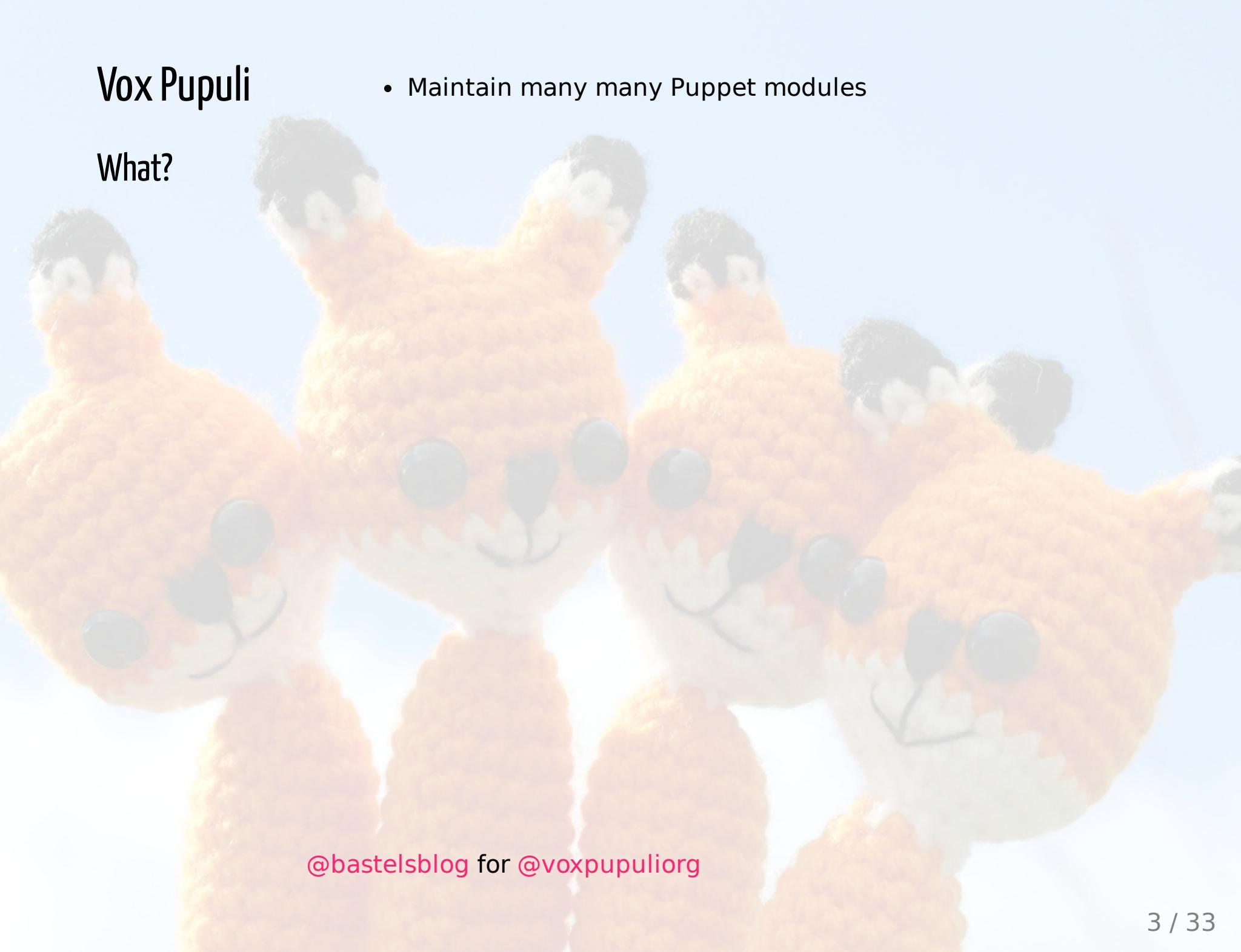
\$ whoami

- Tim 'bastelfreak' Meusel
- DevOps Engineer at GoDaddy EMEA
- Puppet Contributor since 2012
- Merging stuff on Vox Pupuli since 2015
- Vox Pupuli PMC member

Vox Pupuli

- Maintain many many Puppet modules

What?



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Vox Pupuli

What?

- Maintain many many Puppet modules
- Be helpful and polite to each other

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Vox Pupuli

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- Be open-minded to people and technology

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Vox Pupuli

What?

- Maintain many many Puppet modules
- Be helpful and polite to each other
- Be open-minded to people and technology
- Provide a home for orphaned Puppet modules

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Vox Pupuli

What?

- Maintain many many Puppet modules
- Be helpful and polite to each other
- Be open-minded to people and technology
- Provide a home for orphaned Puppet modules
- Unite lonely module and tooling authors to a collective

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Vox Pupuli

What?

- Maintain many many Puppet modules
- Be helpful and polite to each other
- Be open-minded to people and technology
- Provide a home for orphaned Puppet modules
- Unite lonely module and tooling authors to a collective
- Ensure continued development for our code

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Vox Pupuli

What?

Who?

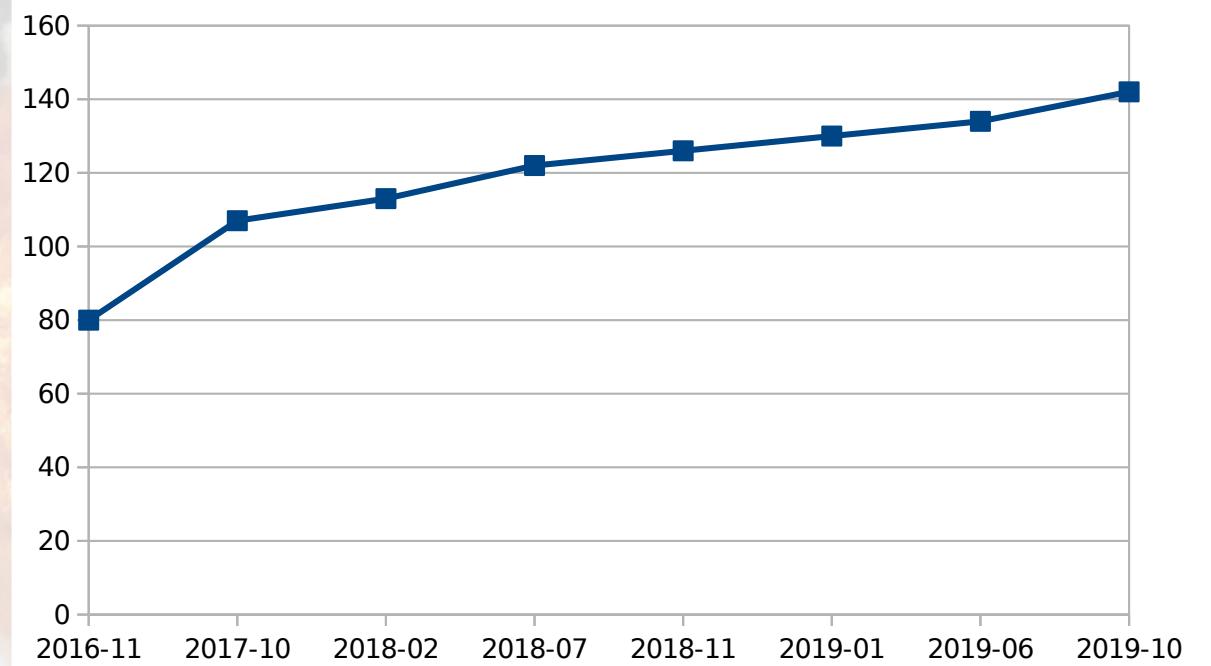
- Currently 142 people with merge permissions
 - We were 113 in February 2018
 - We were 107 in October 2017
 - We were 80 in November 2016
- Just a few people work for Puppet Inc.
- Most of the contributors participate in their free time
- Normal administrators that have to deal with puppet at work

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Science!

What?

Who?



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What?

Who?

- Many git newbies
 - Rebasing a feature branch against upstream master is hard
- Many newcomers to test frameworks
 - Dealing with rspec/rubocop/beaker is hard as well
- Many administrators of legacy infrastructures
 - Stuff older than Puppet 5 without proper hiera5/datatype support

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What?

Who?

Why?

- Maintaining a module on your own is hard
 - Changing best practices, vacations, losing interest
- Proper testing of a module requires a lot of stuff from the ruby ecosystem
 - Ruby ecosystem and related tools are changing too fast for a single person
 - Everything has to work on multiple Ruby/Puppet versions
 - Rubocop
 - Rubocop

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modulesync

What?

- We are managing 117 puppet modules and (178 git repos)

Who?

- modulesync was developed by Puppet Inc, moved to Vox Pupuli

Why?

- It takes a config file + templates, throws it into every modules git repo

How?

- Automatically creates GitHub Pull Requests (with labels \o/)
- Everybody can start it
- Every of our Collaborators can approve/merge it

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What?

Who?

Why?

How?

travis-ci.org

Build Jobs					
✓ # 562.1		Ruby: 2.1.9	PUPPET_VERSION="~> 4.0" CHECK=test	3 min 24 sec	
✓ # 562.2		Ruby: 2.4.1	PUPPET_VERSION="~> 5.0" CHECK=test	1 min 47 sec	
✓ # 562.3		Ruby: 2.4.1	PUPPET_VERSION="~> 5.0" CHECK=rubocop	1 min 36 sec	
✓ # 562.4		Ruby: 2.4.1	PUPPET_VERSION="~> 5.0" CHECK=build DE	1 min 19 sec	

- Free CI platform
- Puppet Inc. sponsors us up to 20 concurrent travis slots
- rpsec-puppet on common Puppet*Ruby versions
- release modules to the forge
- beaker acceptance tests

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Release task

What?

- Gem called `voxpupuli-release`
- provides rake tasks to create a git tag + update the version of a module
 - Also pushes the artifact to forge.puppet.com

Who?

Why?

How?

- New: Git Tags are required to have a GPG signature
- Upcoming: Also create a github release

Tooling

What?

- https://github.com/underscorgan/community_management
 - Open Issues and PRs sorted in different ways

Who?

- <https://voxpupuli-open-prs.herokuapp.com/>

Why?

- Also open PRs

How?

- <https://github.com/voxpupuli/thevoxfox>
 - IRC bot, allows us to merge stuff + trigger modulesync (soon, maybe)
- <https://github.com/bastelfreak/contributorstats>
 - count contributions

Tooling

What?

- Label open issues and PRs

Who?

Why?

How?

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Tooling

What?

- Label open issues and PRs
- Ping contributors to rebase their PR

Who?

Why?

How?

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Tooling

What?

- Label open issues and PRs
- Ping contributors to rebase their PR
- Ping contributors to check the failed CI jobs

Who?

Why?

How?

Tooling

What?

- Label open issues and PRs
- Ping contributors to rebase their PR
- Ping contributors to check the failed CI jobs
- Yak Shaving: update metadata.json / run modulesync

Who?

Why?

How?

Tooling

What?

- Label open issues and PRs

Who?

- Ping contributors to rebase their PR

Why?

- Ping contributors to check the failed CI jobs

How?

- Yak Shaving: update metadata.json / run modulesync

- We now have a tool for that \o/

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Tooling

What?

- Ruby on Rails application at voxpupu.li

Who?

- Gets push notifications from GitHub for all events
 - New pull request / Issue
 - Activity in a PR / new merge conflicts

Why?

How?

- Interacts with the GitHub API based on the events
- Generates a list of tasks for manual jobs
- In active development / beta

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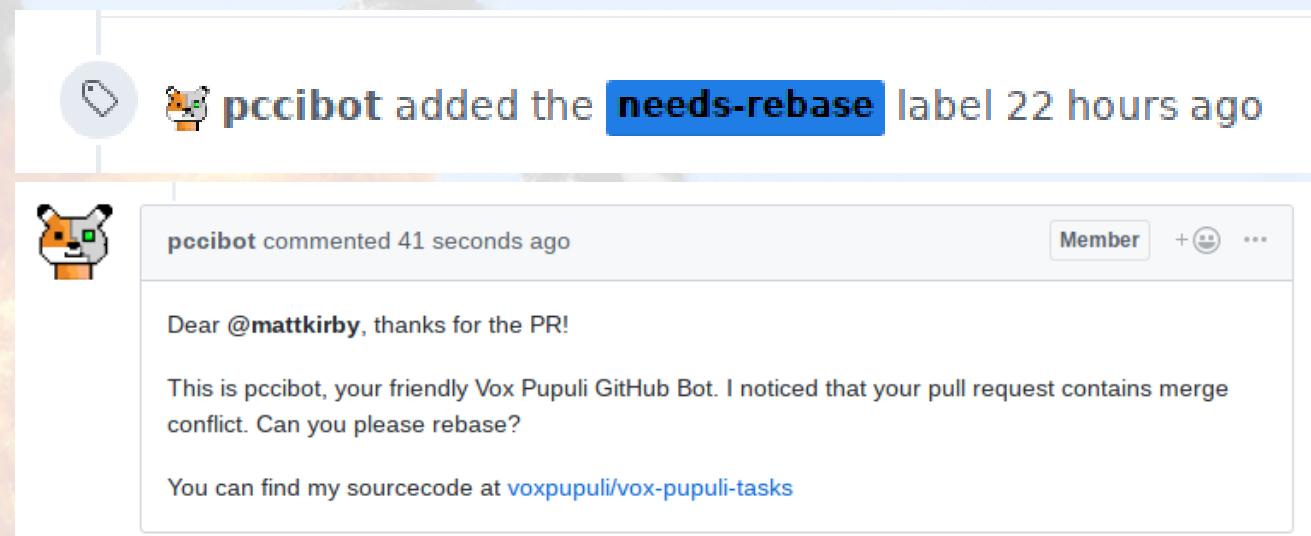
Tooling

What?

Who?

Why?

How?



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Docs

What?

- Review Guidelines: <https://voxpupuli.org/docs/#reviewing-a-module>

Who?

- puppet-strings generated markdown docs in more and more modules, for example

Why?

- puppet-selinux
- puppet-autofs
- puppet-mumble
- puppet-cassandra
- puppet-rabbitmq
- puppet-ferm
- puppet-rsyslog
- puppet-borg
- puppet-corosync

How?

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PMC

- We elected a third Project Management Committee in 2019!
- PMC enforces CoC
- Brings Vox Pupuli into the Software Freedom Conservancy + works on funding
- PMC guidelines are created by the community
<https://tinyurl.com/voxpupuli-governance-md>
- Current members:
 - Tim 'bastelfreak' Meusel (reelected)
 - David 'dhollinger' Hollinger (reelected)
 - Alex 'afisher' Fisher (reelected)
 - Lee 'friedbob' Lowder
 - Nate 'natemccurdy' McCurdy

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PMC

Collaborators

- Review pull requests
- Explain why we don't support ruby187 anymore
- New: Explain why we don't support Puppet 3 and Puppet 4 anymore
- Help with git
- Trigger the automated release process
- New: Use our awesome Rails app to identify important tasks / automate as much as possible with it

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Daily Business



bastelfreak commented on Sep 1

Owner

+

Hi @cristianbalan-mf, thanks for this issue. Are you able to provide a patch for this?

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Daily Business



bastelfreak commented on Jun 29

Owner +

Hi @danirueda, you are using a way outdated puppet version. Support for puppet 3.X ended last december. Puppetlabs doesn't provide any patches for that version, and puppet 5 just got released. This module isn't compatible anymore with puppet 3. You should really consider updating your environment. We're reachable basically 24/7 in the IRC channel #voxpupuli on freenode. Just let us know if you need any help for the upgrades.

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Daily Business



bastelfreak closed this 11 days ago



bastelfreak reopened this 11 days ago



bastelfreak closed this 11 days ago

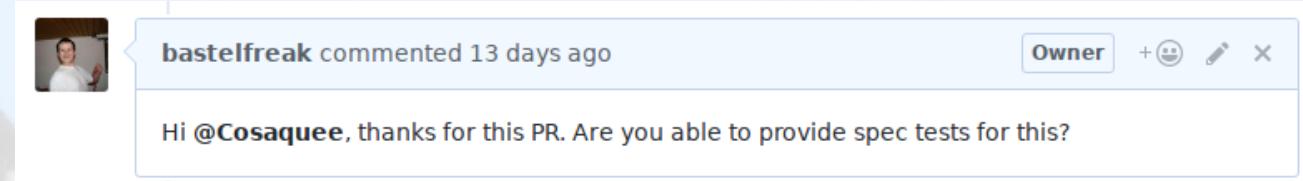


bastelfreak reopened this 11 days ago

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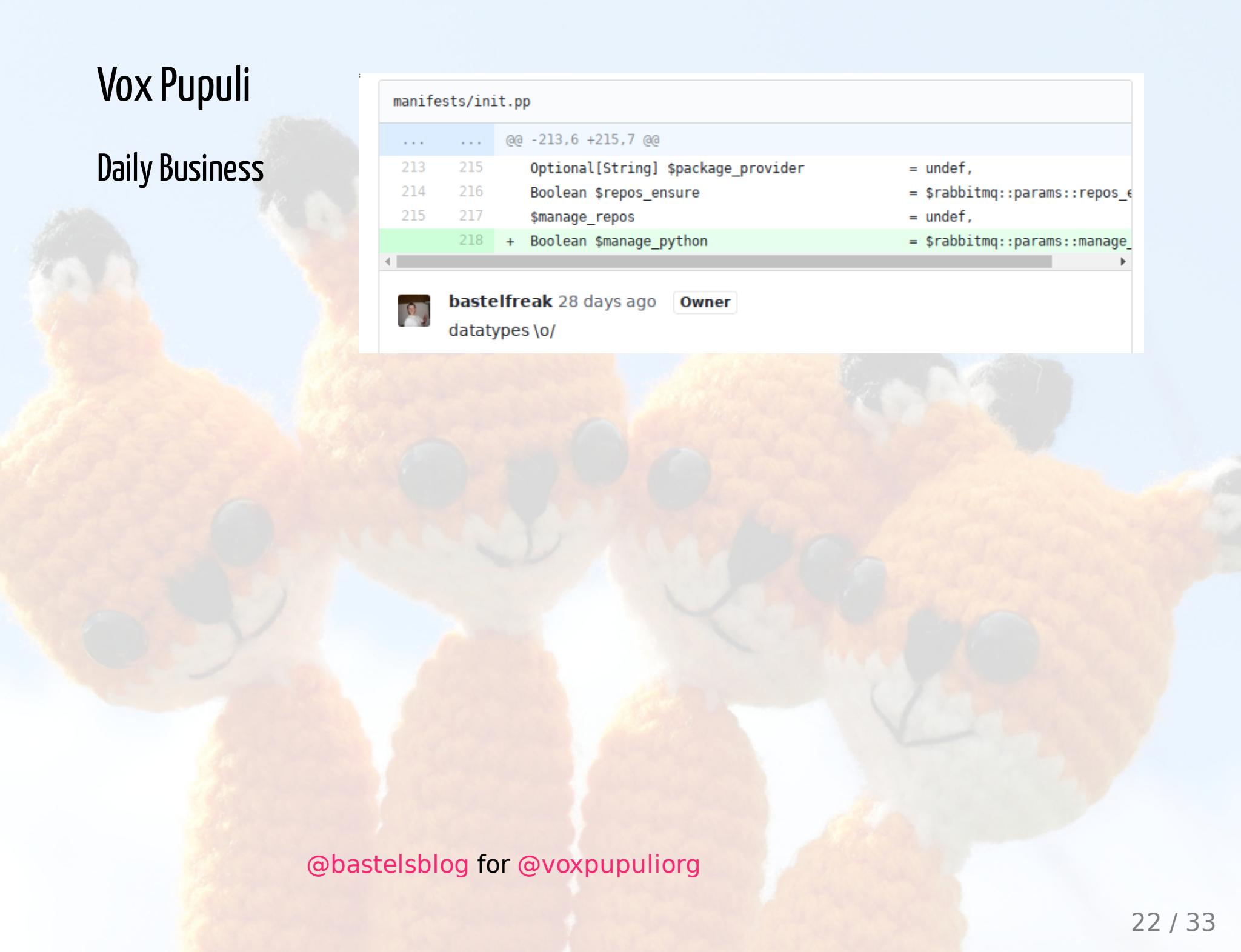
Daily Business



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Daily Business



A screenshot of a GitHub code review interface. The file being reviewed is `manifests/init.pp`. The code shows a series of changes (diff) from line 213 to 218. Line 218 is highlighted in green, indicating it is a new addition. The commit message is by user `bastelfreak` 28 days ago, with the status `Owner` and the note `datatypes \o/`.

```
manifests/init.pp
...
... @@ -213,6 +215,7 @@
213 215     Optional[String] $package_provider      = undef,
214 216     Boolean $repos_ensure                    = $rabbitmq::params::repos_e
215 217     $manage_repos                          = undef,
218 +   Boolean $manage_python                 = $rabbitmq::params::manage_

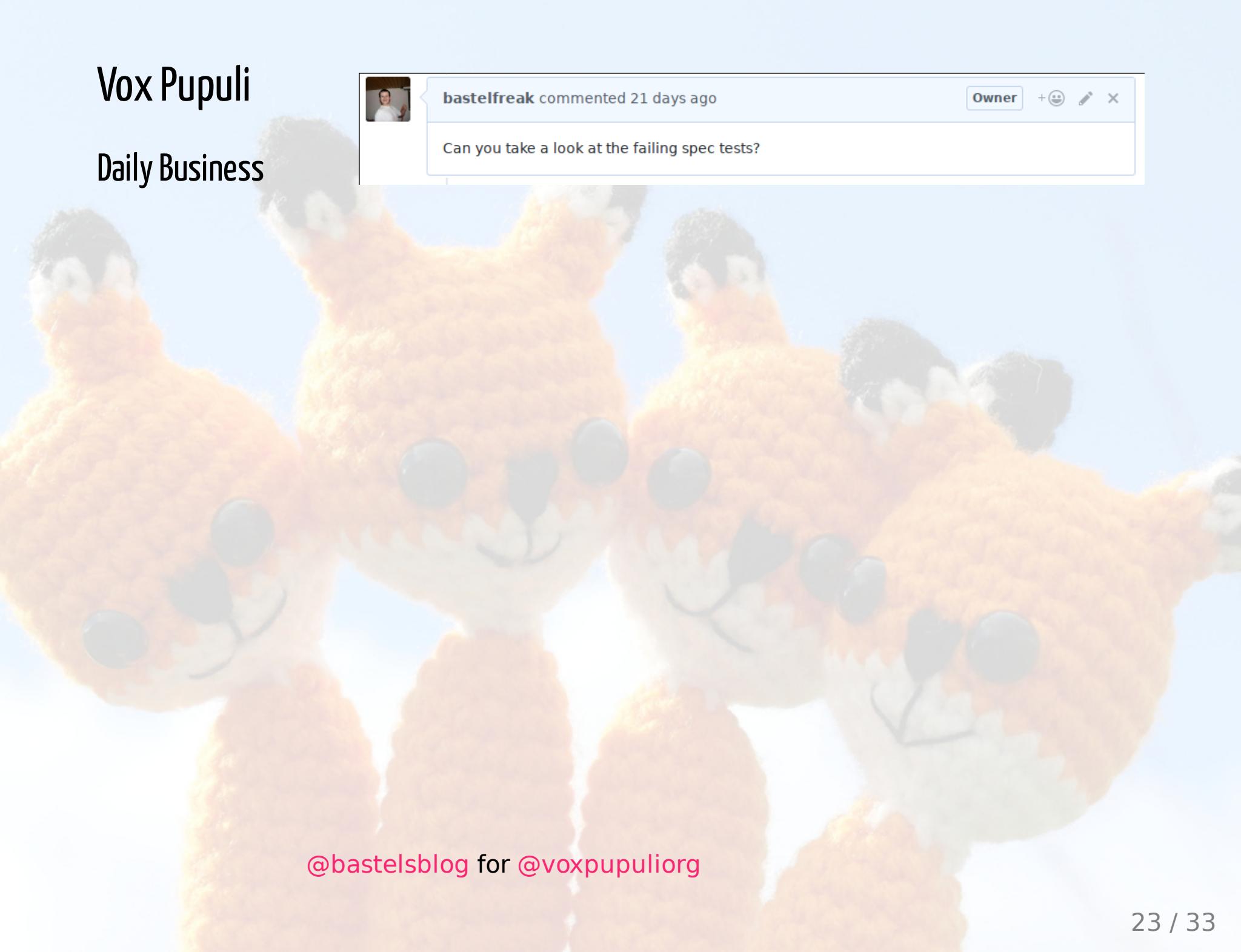
```

bastelfreak 28 days ago Owner
datatypes \o/

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A screenshot of a GitHub pull request interface. At the top left is a small profile picture of a person. Next to it, the username "bastelfreak" is followed by the text "commented 21 days ago". To the right of this is a button labeled "Owner" and icons for adding an emoji, editing, and deleting the comment. The comment itself reads: "Can you take a look at the failing spec tests?"

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A GitHub comment card is overlaid on a background image of numerous small, orange, fluffy creatures, possibly caterpillars or larvae, arranged in a dense, overlapping pattern. The comment card has a light blue header with a user profile picture, the name "bastelfreak", and the date "commented on Dec 9, 2017". It includes a "Owner" button and icons for reply, edit, and delete. The main body of the comment reads: "@cwells thanks for the PR. Can you check the used email address in your commits? It isn't associated with your github account."

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A GitHub pull request comment from user **bastelfreak** dated Dec 9, 2017. The comment text reads: "Hi @arjenz, thanks for the PR! Can you please update the README.md with the new parameters?" The GitHub interface shows standard controls like "Owner", "+", an emoji, a pencil icon, and an "X".

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 **bastelfreak** commented 19 days ago

Contributor +

Hi @saz. Vox Pupuli is a collective of puppet module authors who take care of a lot of modules: <https://forge.puppet.com/puppet?utf-8=%E2%9C%93&sort=downloads>

Are you interested in migrating your modules into their namespace? You can still keep write access to the repos, but it would allow others to help out with code reviews and releases. They also put a lot of effort into templates for modules. They have well maintained Gemfiles that work under all needed ruby and puppet versions, working changelog generator, common pattern for unit/acceptance tests .

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Broken Stuff

- Vox Pupuli is the place to be if something is broken
 - puppetlabs-stdlib
 - puppetlabs-stdlib again
 - puppetlabs-apt
 - puppet-systemd (sorry)

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- 'Release early - release often' - **Igor Galic**

Daily Business

Broken Stuff

Quotes

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Daily Business

Broken Stuff

Quotes

- 'Release early - release often' - **Igor Galic**
- 'Version numbers are cheap - use them' - **Igor Galic**

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Broken Stuff

Quotes

- 'Release early - release often' - **Igor Galic**
- 'Version numbers are cheap - use them' - **Igor Galic**
- 'DevOps is all about empathy' - **Rob Nelson**

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Summary

- We have great tooling and automation
- We have great people
- You need help with Puppet?
 - Let us know, we help out!
- You have an orphaned module or know one?
 - Ping us, migrate it to us
- You have domain specific knowledge?
 - Ruby, Python, Rspec, Beaker, \$software we automate

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Summary

- You want to help out?
 - We are always looking for new Collaborators and Maintainers

Contact:

- IRC #voxpupuli on freenode (preferred)
- Slack: #voxpupuli on puppetcommunity.slack.com
- voxpupuli@groups.io
- pmc@voxpupuli.org
- alex@linfratech.co.uk / tim@bastelfreak.de
- More talks from Tim at <https://github.com/bastelfreak/talks>

Thanks for your attention!