

Vox Pupuli

Die Community hinter Puppet

\$ whoami

- Tim 'bastelfreak' Meusel
- DevOps Engineer for heg.com -> GoDaddy EMEA
- Puppet Contributor since 2012
- Merging stuff on Vox Pupuli since 2015
- Vox Pupuli PMC member
- Organizing BBQ events for Arch Linux Community

Storytime





puppet

Puppet DSL

```
package{'htop':  
    ensure => 'present',  
}
```

Puppet

```
package{'htop':
  ensure => 'present',
}

elasticsearch::instance { 'testinstance':
  jvm_options    => $jvm_options,
  config         => $config,
  init_defaults => {
    'ES_PATH_CONF' => '/etc/elasticsearch/testinstance',
  },
}
```

What do you want to automate?

Supported/Approved

Operating System

With Tasks?

Any

Any

Any

Search

Top Supported modules

**stdlib**

by: puppetlabs

Standard library of resources for Puppet modules.

**powershell**

by: puppetlabs

Adds a new exec provider for executing PowerShell commands.

[View all Supported modules](#)

Partner modules

**sensu**

by: sensu

A module to install the Sensu monitoring framework

**conjur**

by: cyberark

Register nodes as Conjur hosts and securely use secrets stored in Conjur

[View all Partner modules](#)

New

Introducing Cisco IOS module

This module allows you to agentlessly manage Cisco Catalyst devices running IOS using Puppet. It provides a rich suite of types and providers to allow fine-grained control of your Catalyst devices with no agent required on the device. Check out the recent [blogpost](#) to learn how to quickly get up and running to manage your Catalyst devices.

[Learn More](#)

Found 208 modules matching '*nginx*'

Filter by Puppet version:

Puppet/Puppet Enterprise Version ▾

Sort by:

Relevancy ▾



nginx
puppet

Puppet NGINX management module

Version 0.12.0

APPROVED

Updated

about 2 months
ago

Total downloads

39,067,579

Quality score

4.1 ⓘ

Found 208 modules matching 'nginx'

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nginx
puppet

Puppet NGINX management module

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about 2 months ago

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39,067,579

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4.1 ⓘ



apache
puppetlabs

Installs, configures, and manages Apache virtual hosts, web services, and modules.

Tasks: apache

Version 3.2.0

TASKS

PDK

SUPPORTED

Updated

5 days ago

Total downloads

5,666,004

Quality score

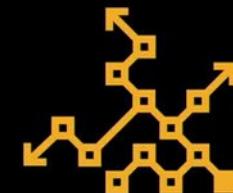
4.5 ⓘ



Vox Pupuli: The Funny Community Journey

Tim Meusel

DevOps Engineer
GoDaddy EMEA



Vox Pupuli

How to write and pronounce

What?

- Vox Pupuli
- VoxPupuli
- Voxpupuli
- voxpupuli
- puppet-community -> Vox Pupuli

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Vox Pupuli

What?

- Maintain many many modules

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Vox Pupuli

What?

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

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Vox Pupuli

What?

- Maintain many many modules
- Be helpful and polite to each other
- Be open-minded to people and technology

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Vox Pupuli

What?

- Maintain many many 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 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 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?

- Currently 122 people with merge permissions

Who?

- 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

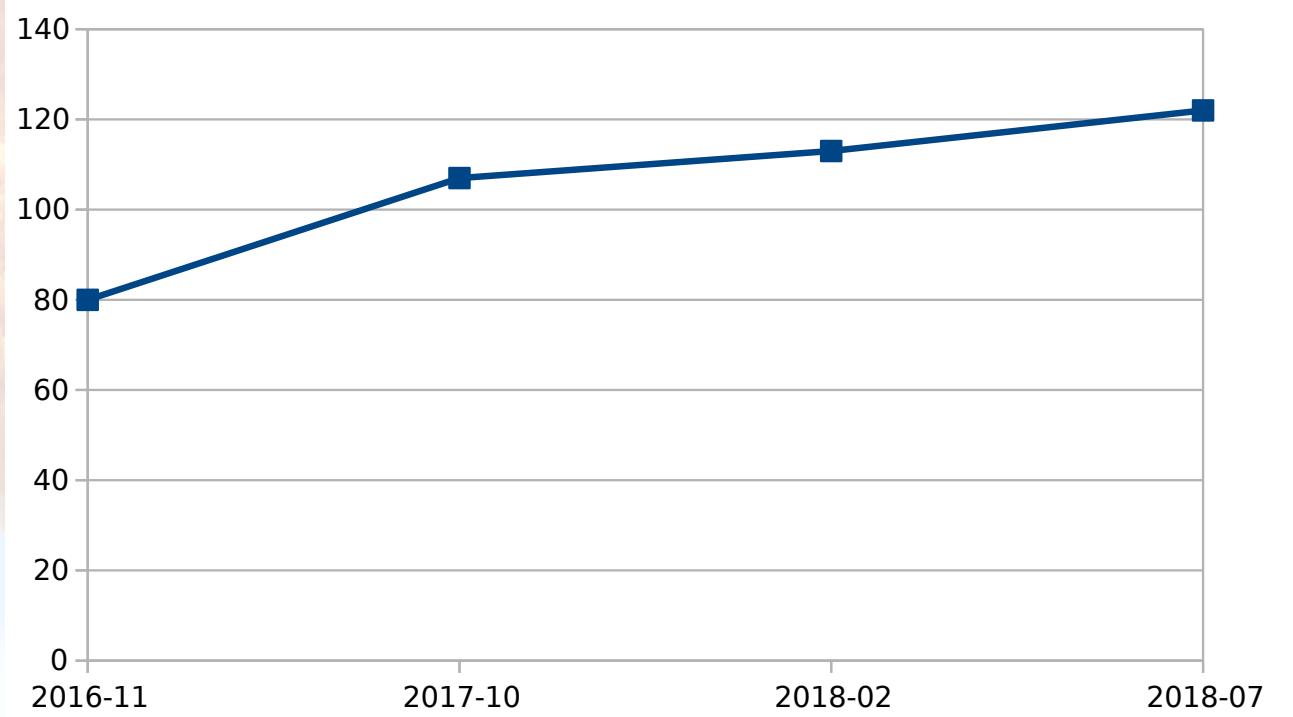
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What?

Who?

Science!



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What?

- Many git newbies

Who?

- Rebasing a feature branch against upstream master is hard
- Many newcomers to test frameworks
- Dealing with rspec/rubocop/beaker is hard as well

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Vox Pupuli

What?

- Many administrators of legacy infrastructures

Who?

- Puppet3, Ruby191, Ruby2.0
- November 2016: Puppet2.7, Ruby187
- Do we already call Puppet4 legacy? (yes pls)

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Vox Pupuli

What?

- Maintaining a module on your own is hard

Who?

- Changing best practices, vacations, losing interest

Why?

- 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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How?

modulesync

- We are managing 105 puppet modules and (155 git repos)
 - We had 92 modules in February 2018
 - We had 75 modules in November 2016
- modulesync was developed by Puppet Inc, moved to Vox Pupuli
- It takes a config file + templates, throws it into every modules git repo
- Works with GitHub Pull Requests
- Everybody can start it
- Every of our Collaborators can approve/merge it

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How?

modulesync

travis

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 unlimited? concurrent travis slots
- rpsec-puppet on common Puppet*Ruby versions
- release modules to the forge
- beaker acceptance tests

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How?

modulesync

travis

Release task

- Gem called voxpupuli-release
- provides rake task to bump + tag a module
 - Also pushed to the forge
- Upcoming: Also create a github release

Vox Pupuli

How?

modulesync

travis

Release task

Tooling

- https://github.com/underscorgan/community_management
 - Open Issues and PRs sorted in different ways
- <https://voxpupuli-open-prs.herokuapp.com/>
 - Also open PRs
- <https://github.com/voxpupuli/thevoxfox>
 - IRC bot, allows us to merge stuff + trigger modulesync (soon, maybe)
- <https://github.com/bastelfreak/contributorstats>
 - count contributions

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Vox Pupuli

How?

modulesync

travis

Release task

Tooling

Docs

- Review Guidelines: <https://voxpupuli.org/docs/#reviewing-a-module>
- puppet-strings generates html docs
 - <https://voxpupuli.org/puppet-selinux>
 - <https://voxpupuli.org/puppet-autofs>
 - <https://voxpupuli.org/puppet-mumble>
 - <https://voxpupuli.org/puppet-cassandra> (in the making)
 - <https://voxpupuli.org/puppet-rabbitmq> (in the making)

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Vox Pupuli

Governance?

PMC

- We elected a second Project Management Committee in 2018!
- PMC enforces CoC
- Brings Vox Pupuli into the Software Freedom Conservancy
- PMC guidelines are created by the community
<https://tinyurl.com/voxpupuli-governance-md>
- Current members:
 - Tim ‘bastelfreak’ Meusel (reelected)
 - David ‘dhollinger’ Hollinger
 - Hunter ‘Hunner’ Haugen (works for Puppet Inc., reelected)
 - Alex ‘afisher’ Fisher
 - Eric ‘eputnam’ Putnam (works for Puppet Inc.)

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Governance?

- Review pull requests
- Explain why we don't support ruby187 anymore
- New: Explain why we don't support Puppet3 anymore
- Help with git
- Trigger the automated release process

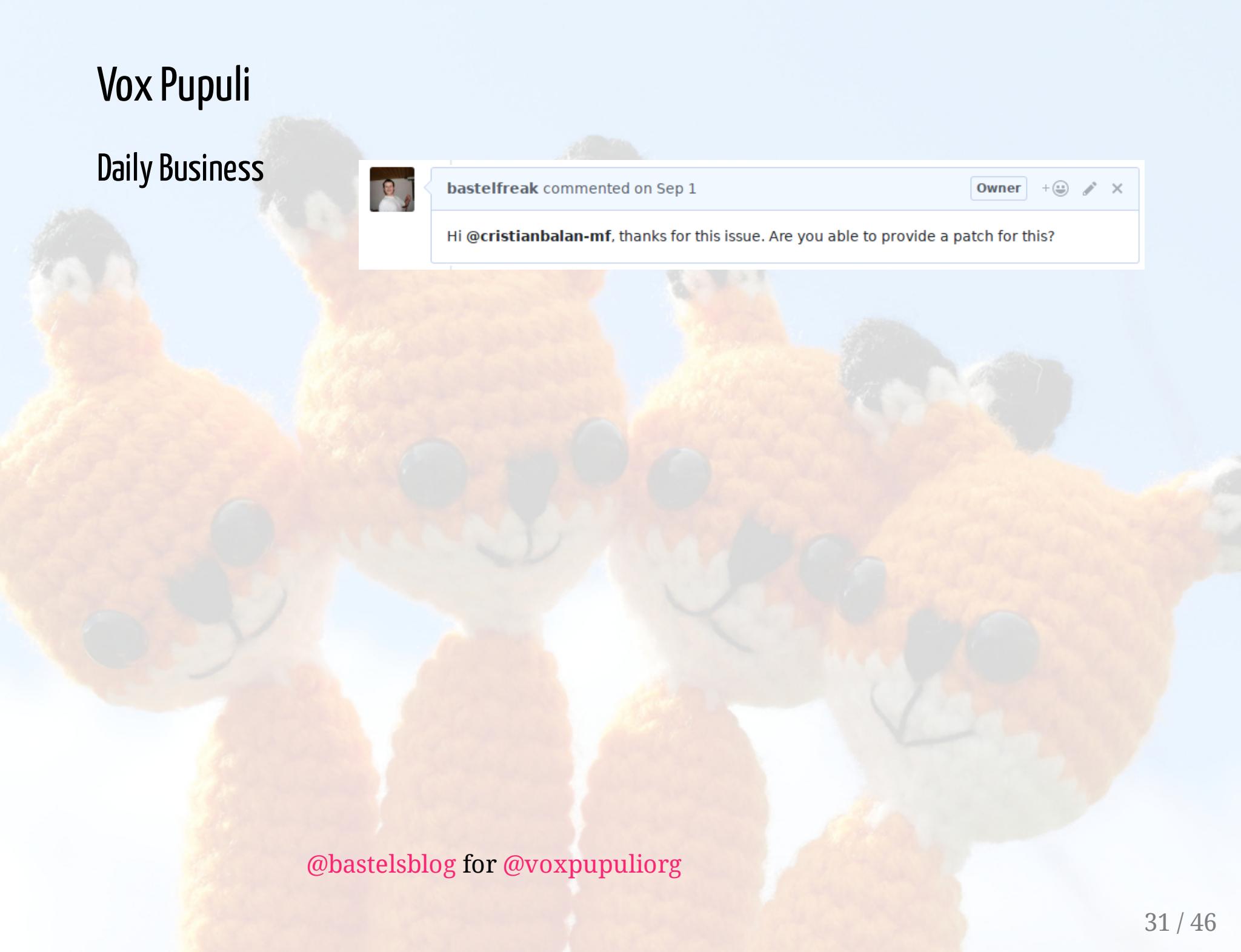
Collaborators

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PMC

Vox Pupuli

Daily Business



A screenshot of a GitHub pull request interface. The comment is from a user named "bastelfreak" dated "Sep 1". The message reads: "Hi @cristianbalan-mf, thanks for this issue. Are you able to provide a patch for this?" The interface includes standard GitHub buttons for "Owner", "Edit", and "Delete".

bastelfreak commented on Sep 1

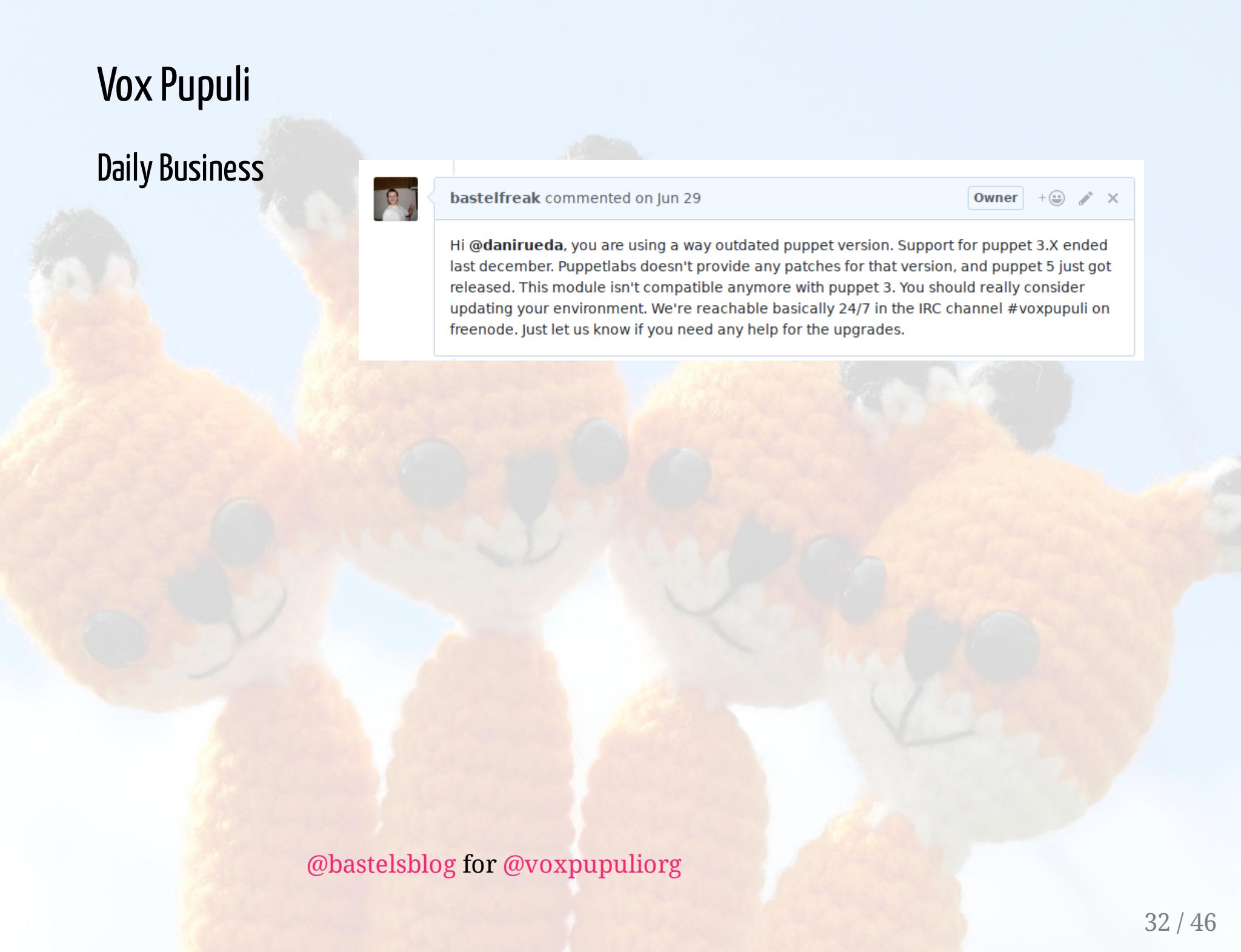
Owner +

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

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Vox Pupuli

Daily Business



 **bastelfreak** commented on Jun 29

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.

Owner + 

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Vox Pupuli

Daily Business



bastelfreak closed this 11 days ago



bastelfreak reopened this 11 days ago



bastelfreak closed this 11 days ago

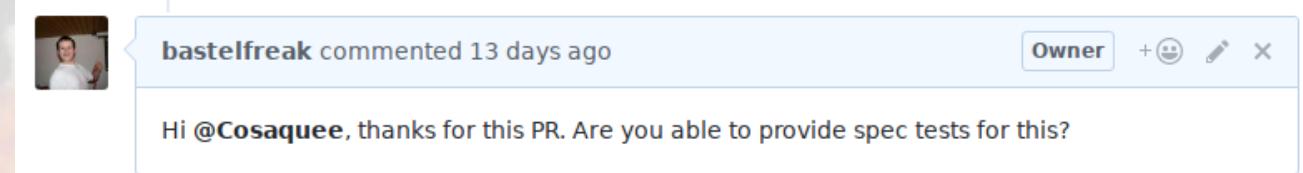


bastelfreak reopened this 11 days ago

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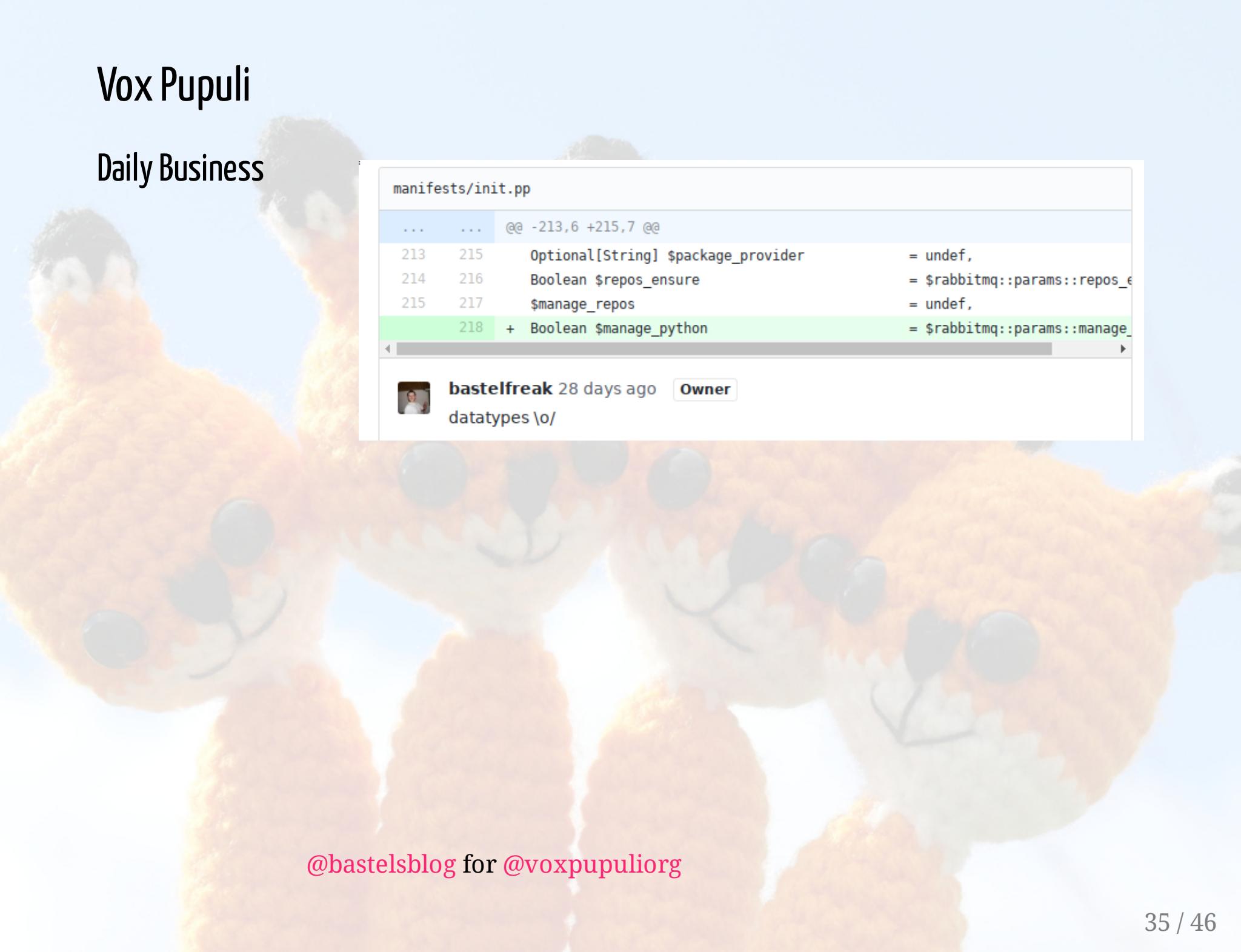
Daily Business



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Daily Business



A GitHub pull request interface showing a diff of a file named `manifests/init.pp`. The diff shows several changes:

```
 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_

```

The commit was made by **bastelfreak** 28 days ago and is marked as the **Owner**. The commit message is `datatype \o/`.

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bastelfreak commented 21 days ago

Owner



Can you take a look at the failing spec tests?

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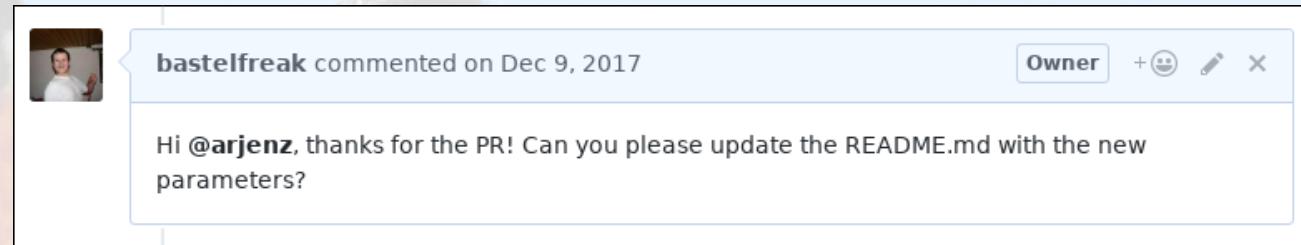
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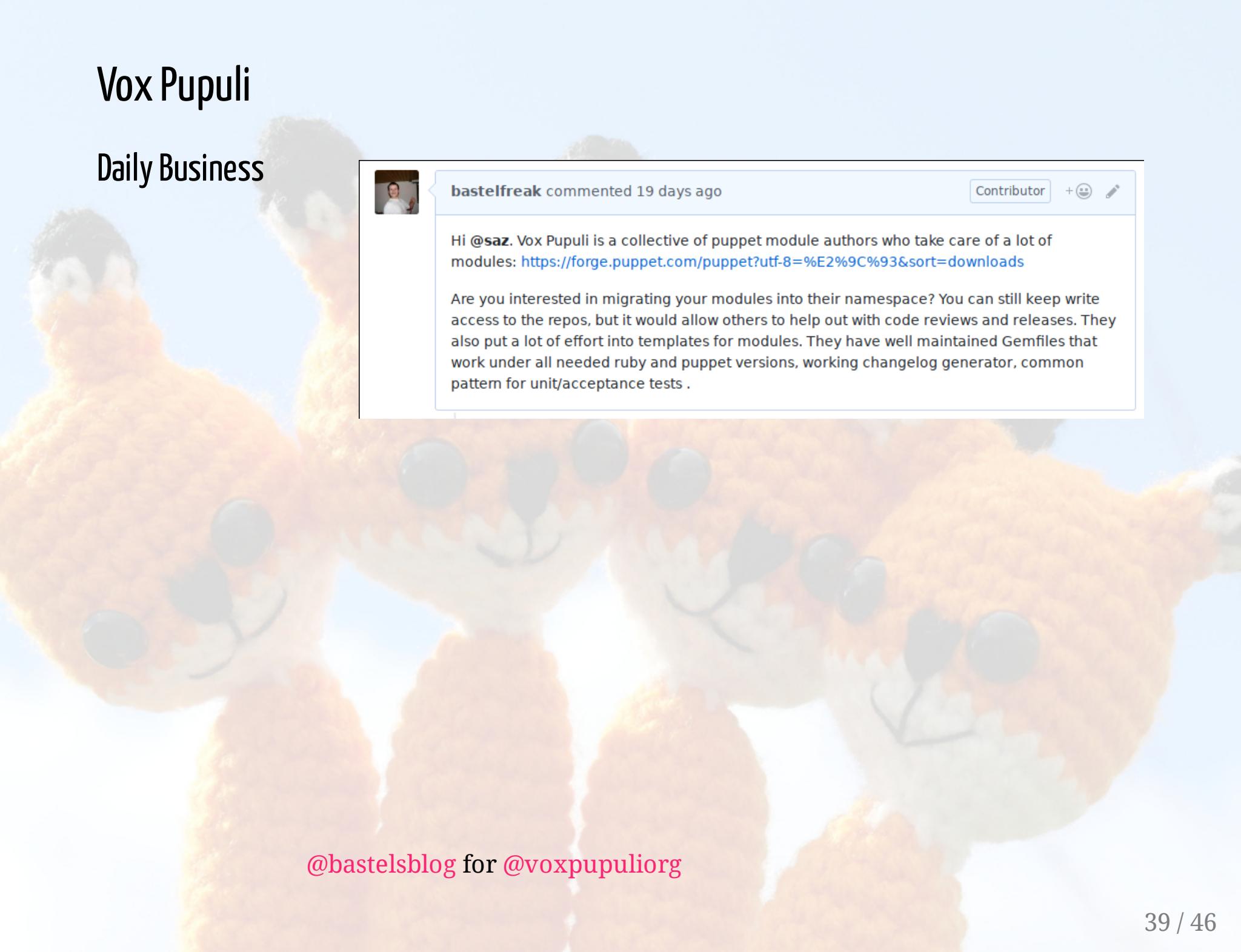
Daily Business



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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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Daily Business



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Daily Business

Broken Stuff

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

Vox Pupuli

Daily Business

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

Broken Stuff

Quotes

Vox Pupuli

Daily Business

Broken Stuff

Quotes

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

Vox Pupuli

Daily Business

Broken Stuff

Quotes

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

Vox Pupuli

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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Vox Pupuli

Summary

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

Contact:

- IRC #voxpupuli on freenode
- Slack: #voxpupuli on puppetcommunity.slack.com
- voxpupuli@groups.io
- pmc@voxpupuli.org
- tim@bastelfreak.de
- More talks at <https://github.com/bastelfreak/talks>

Thanks for your attention!