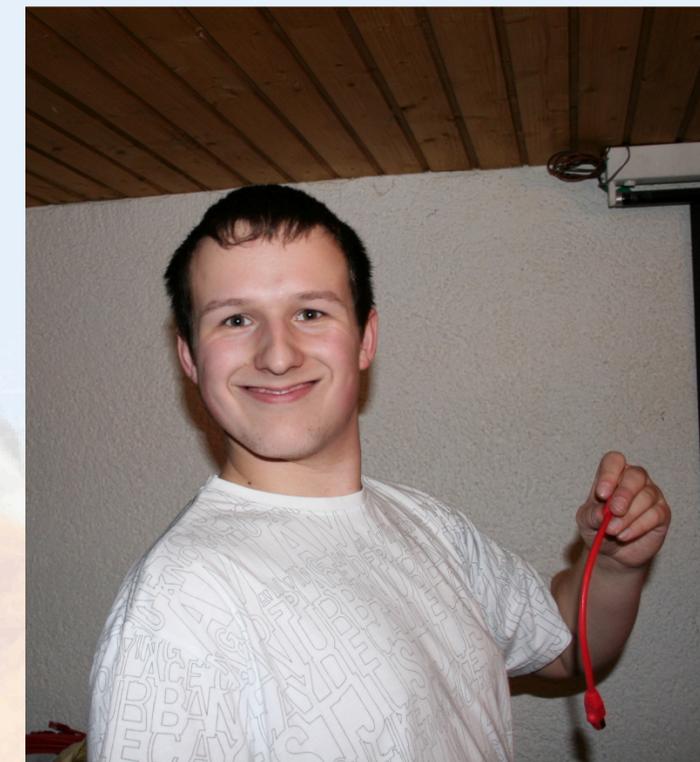


One year OpenVoxProject

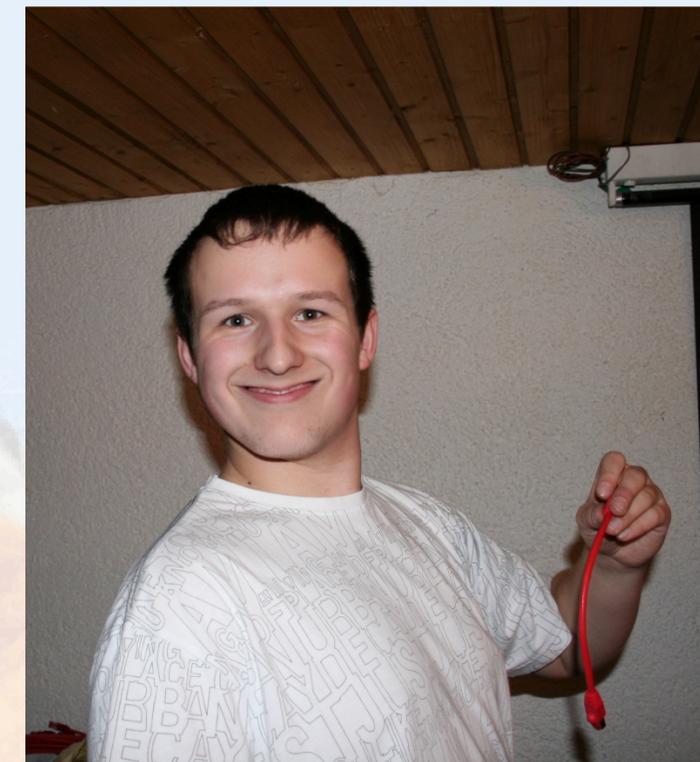
\$ whoami

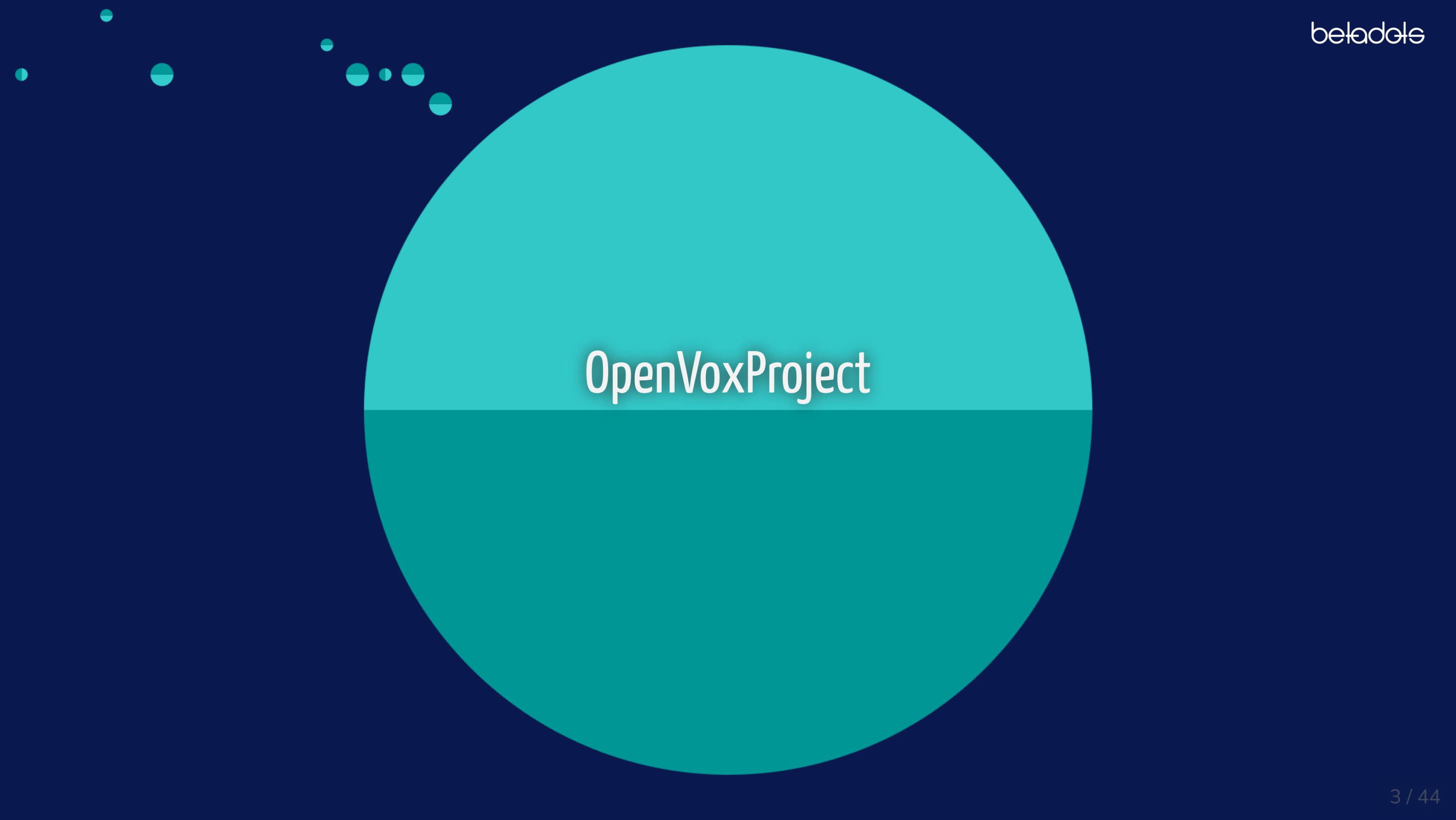
- Tim 'bastelfreak' Meusel
- Puppet Contributor since 2012
- Merging stuff on [Vox Pupuli](#) (Puppet Community) since 2015
- Vox Pupuli Project Management Committee member
- Senior IT Automation Consultant at [betadots](#)
- Certified Puppet Solution Consultant



\$ whoami

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- Vox Pupuli Project Management Committee member
- Senior IT Automation Consultant at [betadots](#)
- Certified Puppet Solution Consultant
- New: Clojure & [ezbake](#) "expert"





OpenVoxProject

OpenVoxProject

Where are we?

We continue the open source development for the ecosystem!

- puppet-agent -> [openvox-agent](#)
- puppetserver -> [openvox-server](#)
- puppetdb -> [openvoxdb](#)
- bolt -> [openbolt](#)



OpenVoxProject

Where are we?

We continue the open source development for the ecosystem!

- All repositories have dependabot/renovate to inform us about updates



OpenVoxProject

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- The packaging process is documented! → github.com/OpenVoxProject/planning/wiki/How-OpenVox-builds-work



OpenVoxProject

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- All repositories have dependabot/renovate to inform us about updates
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- Ever wanted to add a new OS? → github.com/OpenVoxProject/planning/wiki/Adding-support-for-new-platforms



OpenVoxProject

Where are we?

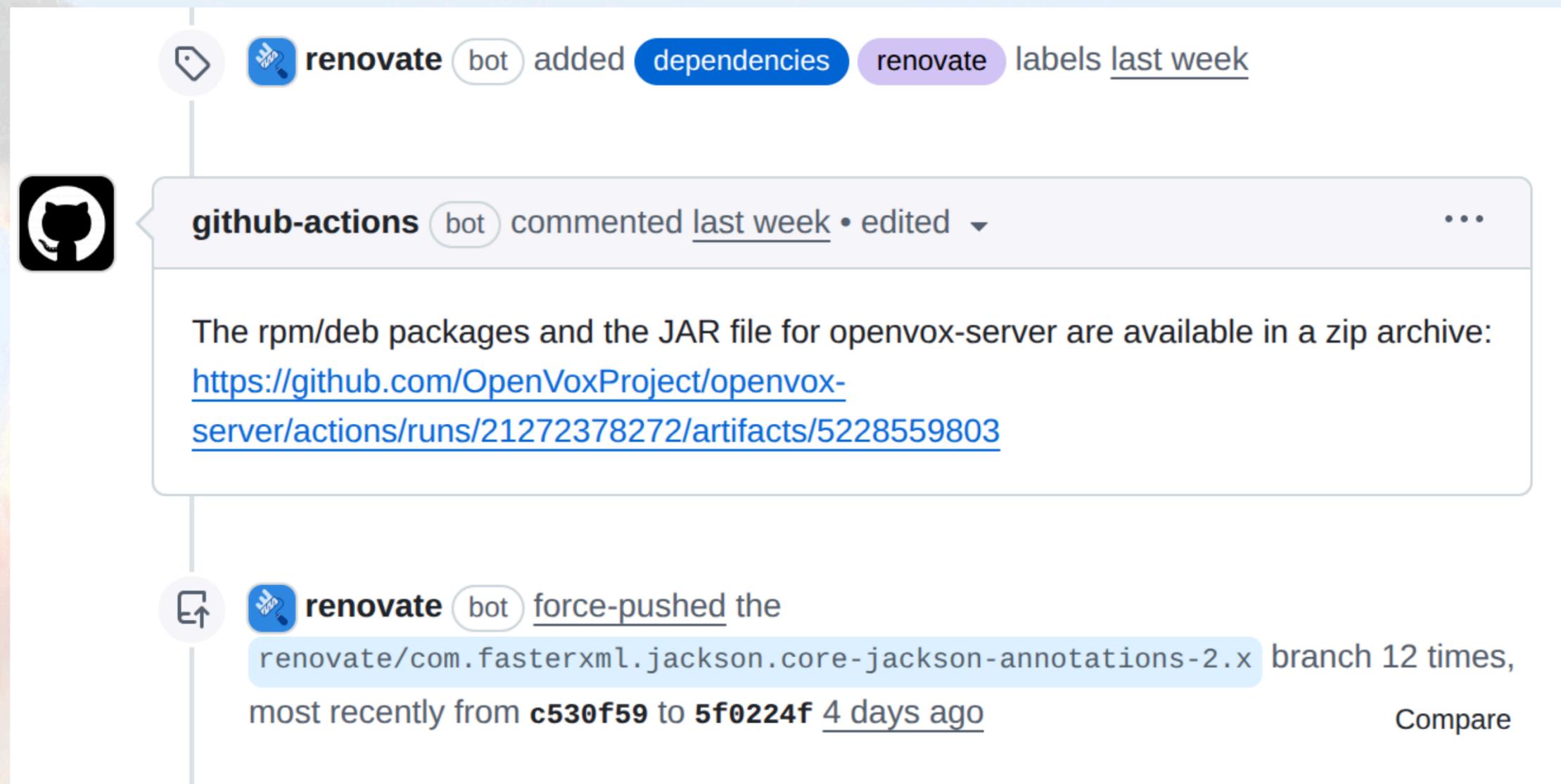
We continue the open source development for the ecosystem!

- All repositories have dependabot/renovate to inform us about updates
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- Ever wanted to add a new OS? → github.com/OpenVoxProject/planning/wiki/Adding-support-for-new-platforms
- All pipelines are public



OpenVoxProject

Where are we?



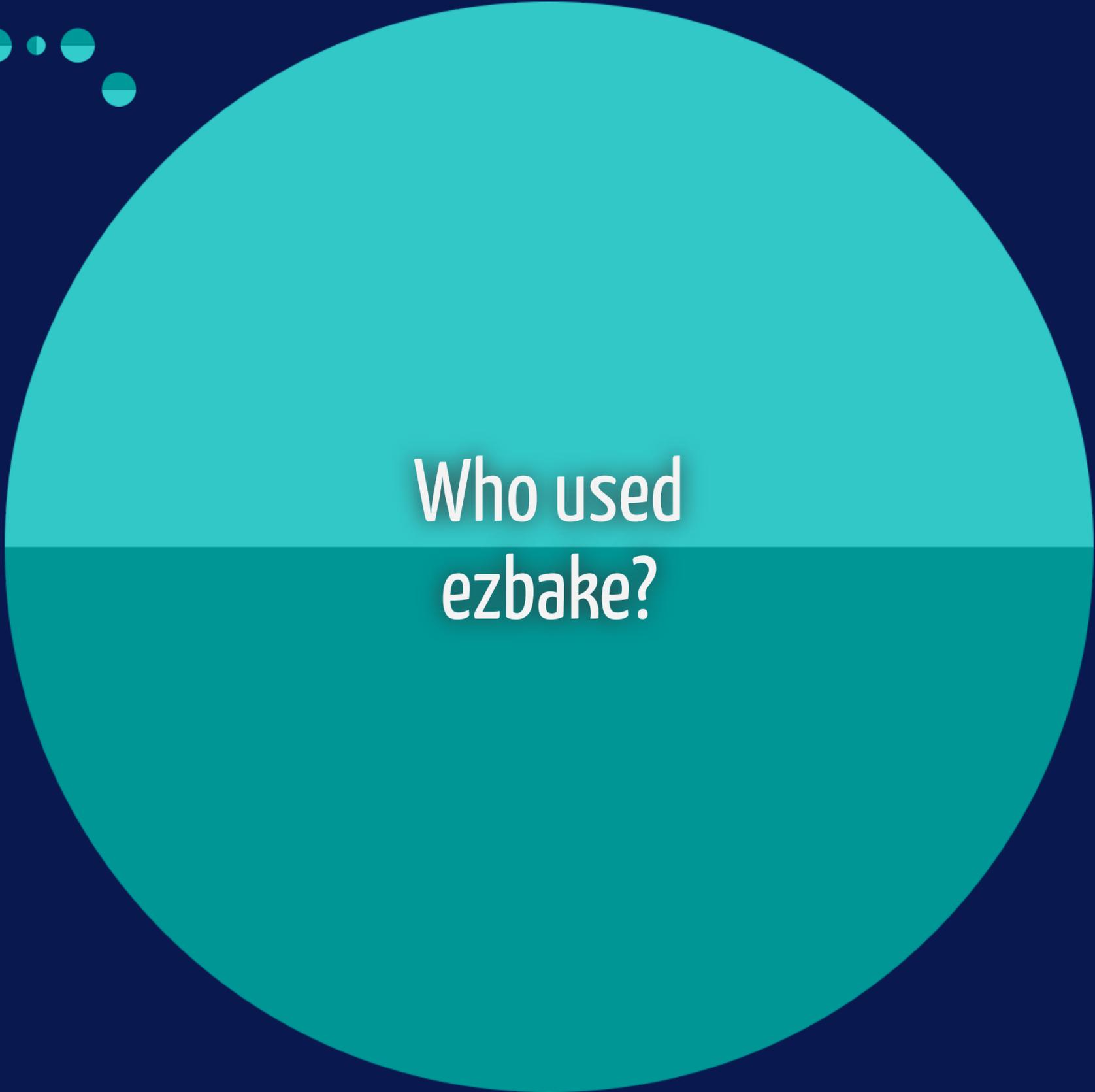
The screenshot shows a vertical list of commit events on a GitHub page. At the top, a commit by the 'renovate' bot is shown with a tag icon, the text 'added dependencies', a 'renovate' label, and the text 'labels last week'. Below this is a comment from the 'github-actions' bot, which includes a GitHub icon, the text 'commented last week • edited', and a link to a zip archive: <https://github.com/OpenVoxProject/openvox-server/actions/runs/21272378272/artifacts/5228559803>. At the bottom, another commit by the 'renovate' bot is shown with a push icon, the text 'force-pushed the renovate/com.fasterxml.jackson.core-jackson-annotations-2.x branch 12 times, most recently from **c530f59** to **5f0224f** 4 days ago', and a 'Compare' link.

renovate bot added dependencies renovate labels last week

github-actions bot commented last week • edited ...

The rpm/deb packages and the JAR file for openvox-server are available in a zip archive:
<https://github.com/OpenVoxProject/openvox-server/actions/runs/21272378272/artifacts/5228559803>

renovate bot force-pushed the renovate/com.fasterxml.jackson.core-jackson-annotations-2.x branch 12 times, most recently from **c530f59** to **5f0224f** 4 days ago Compare



Who used
ezbike?

Who understands
ezbake?

OpenVoxProject

Where are we?

ezbake

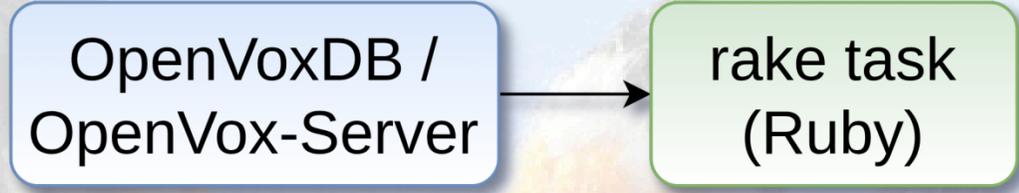
OpenVoxDB /
OpenVox-Server



OpenVoxProject

Where are we?

ezbake



OpenVoxProject

Where are we?

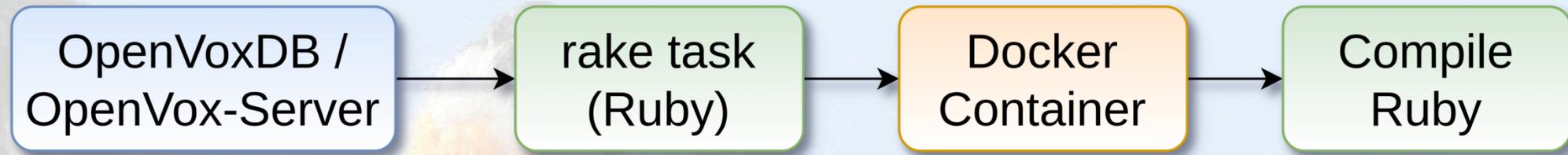
ezbake



OpenVoxProject

Where are we?

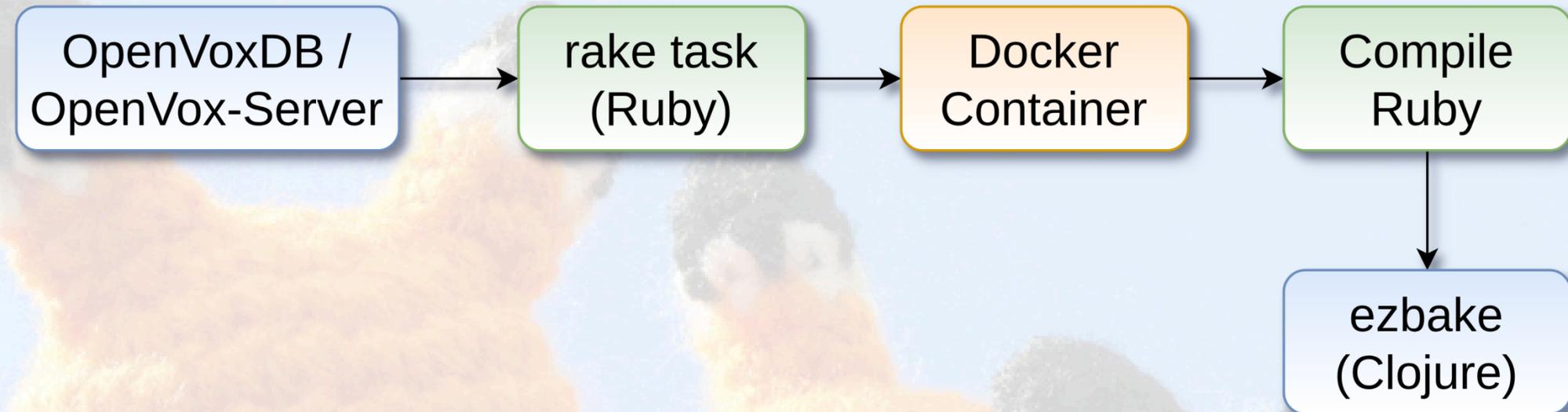
ezbake



OpenVoxProject

Where are we?

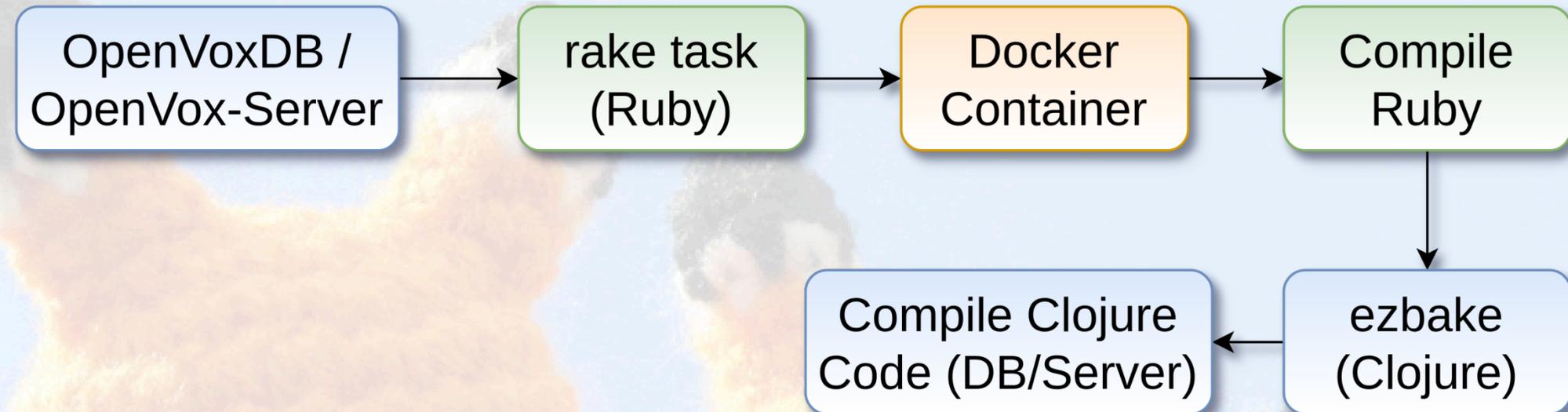
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OpenVoxProject

Where are we?

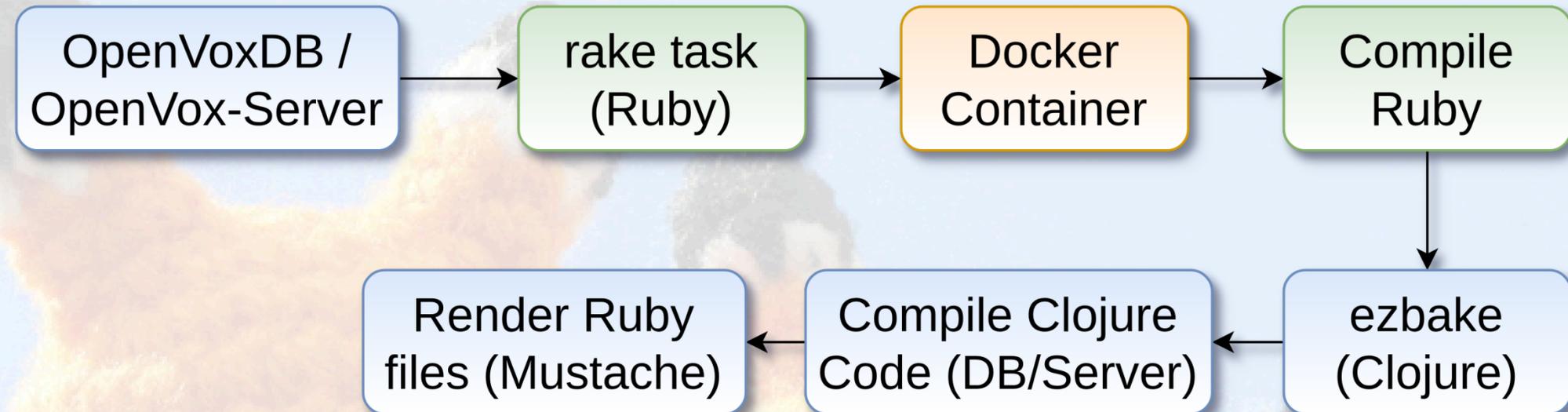
ezbake



OpenVoxProject

Where are we?

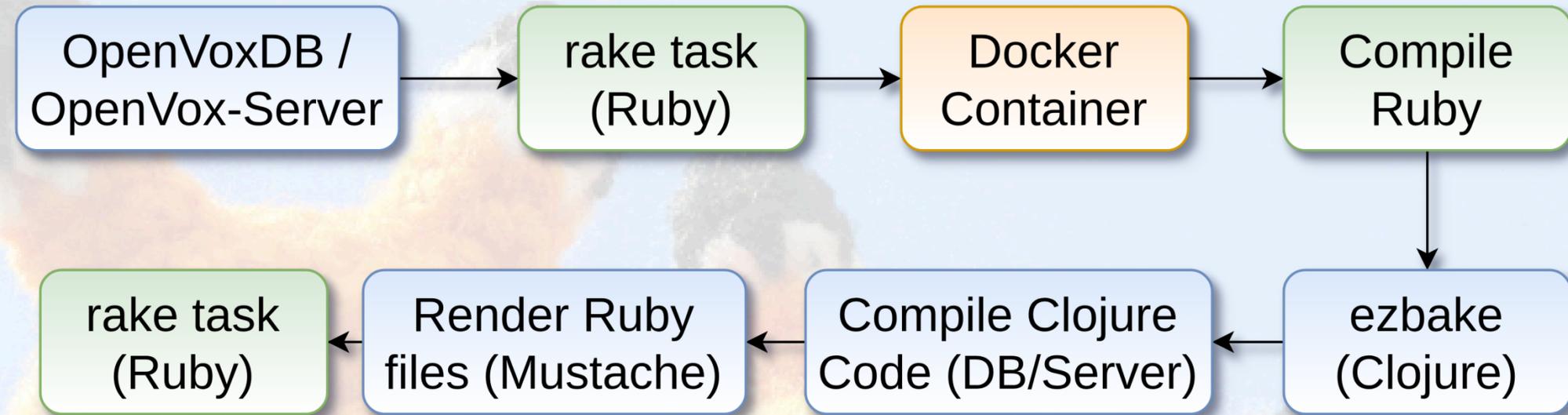
ezbake



OpenVoxProject

Where are we?

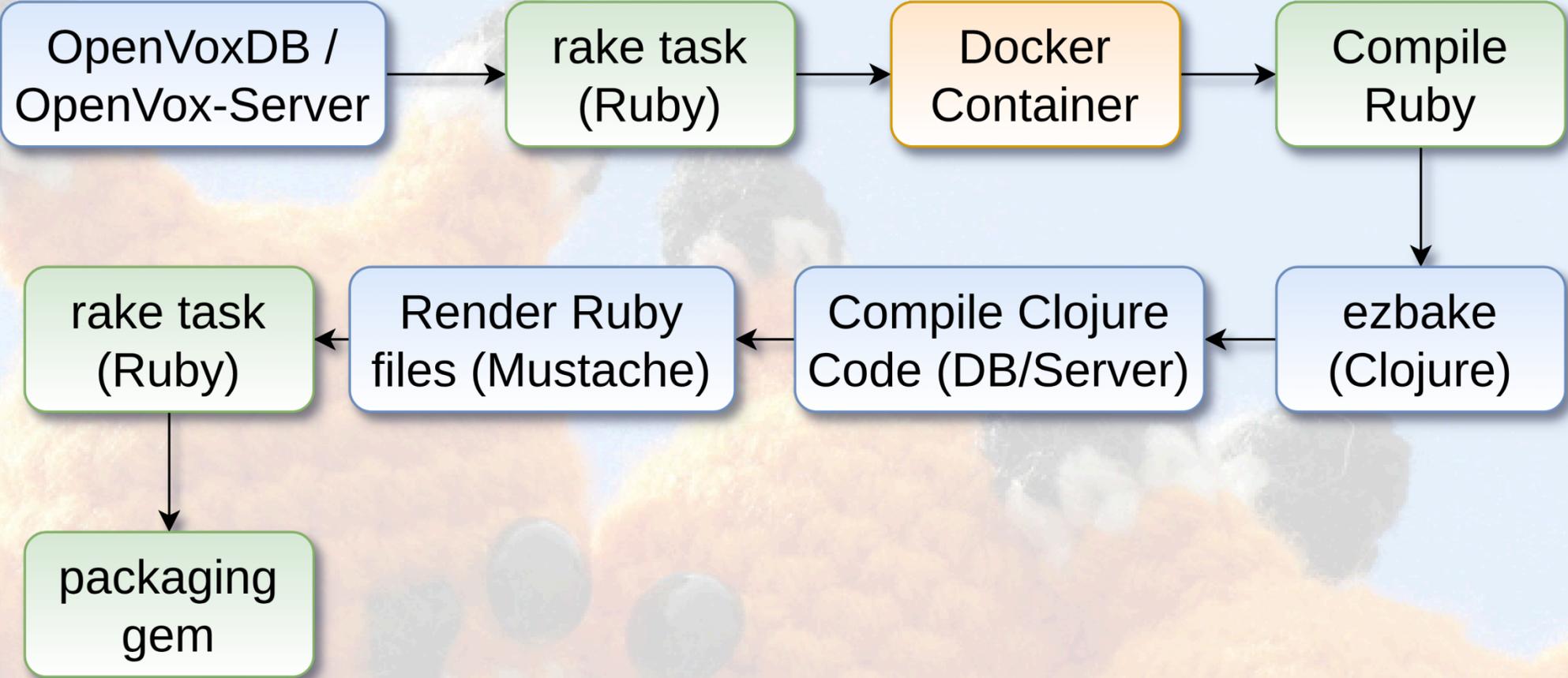
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OpenVoxProject

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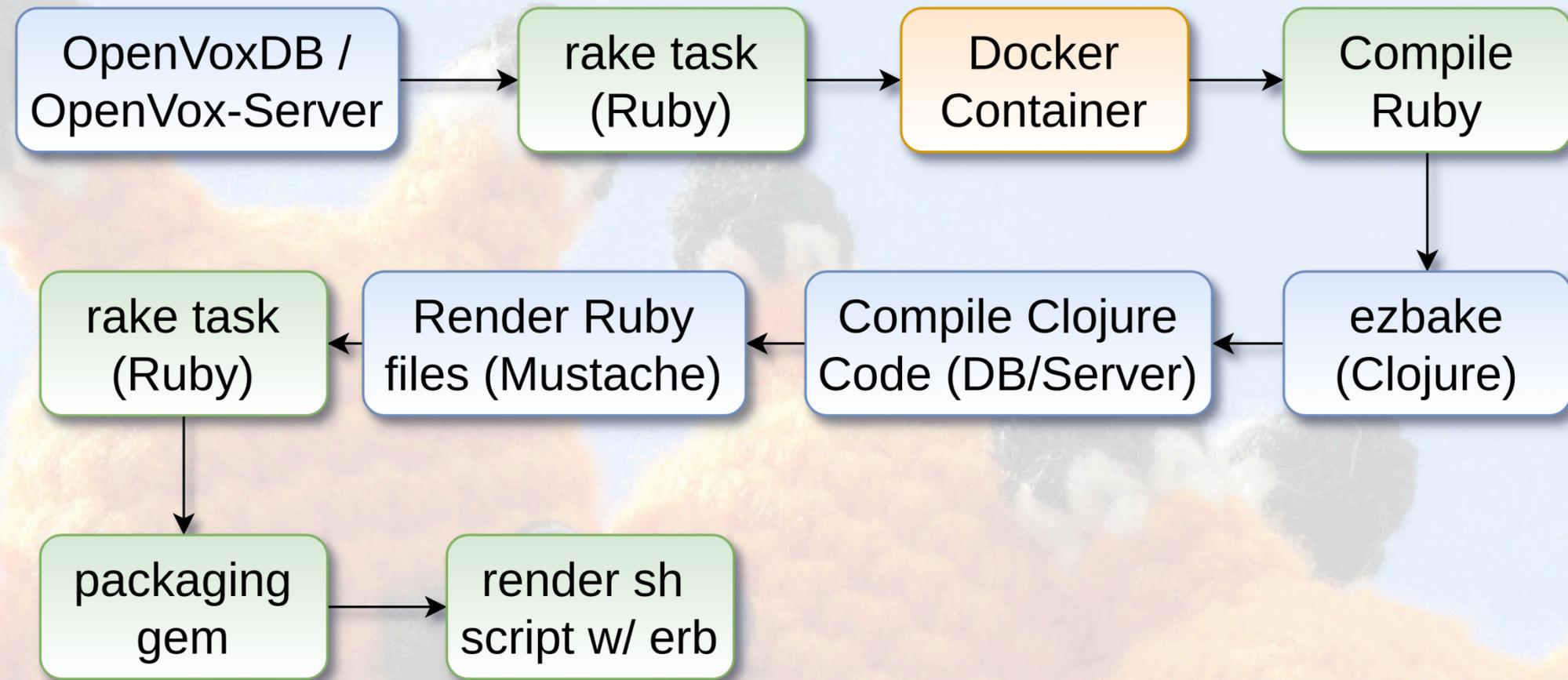
ezbake



OpenVoxProject

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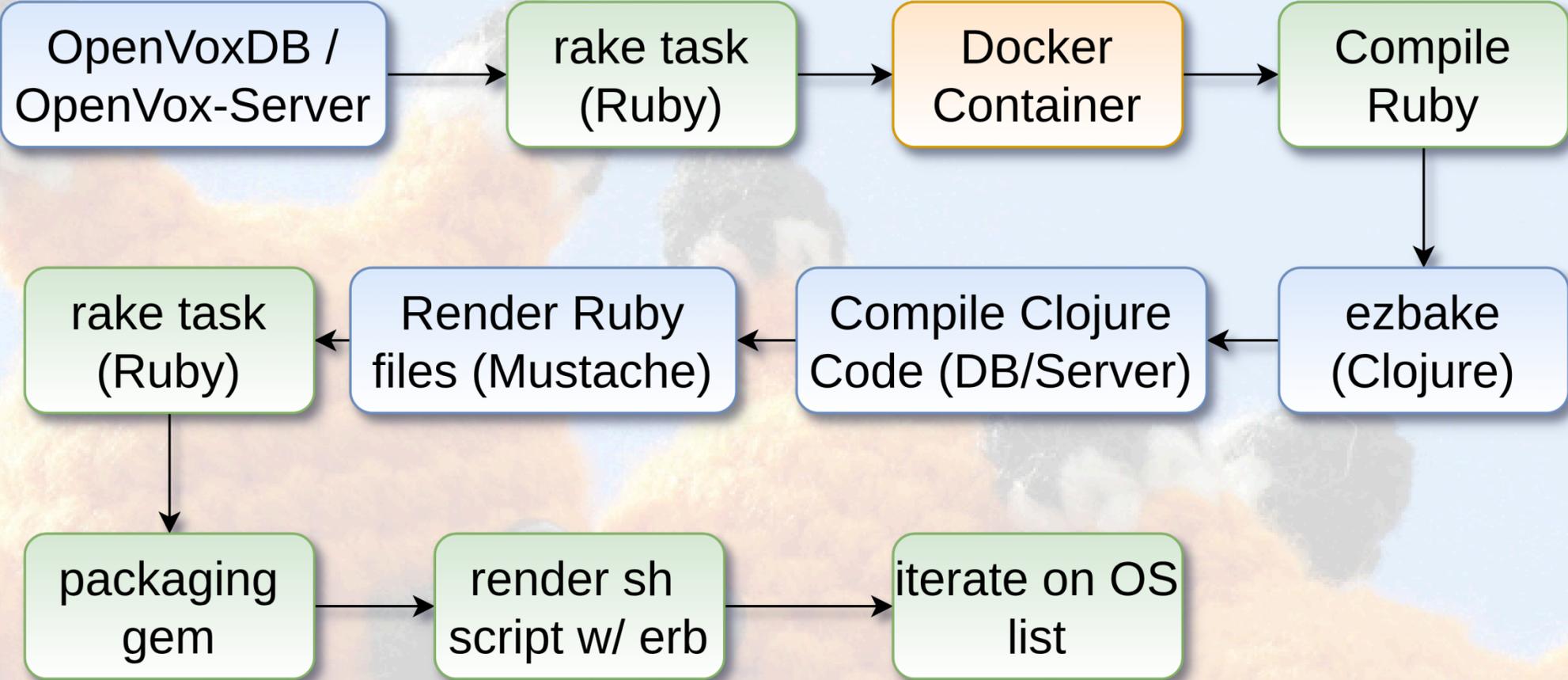
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OpenVoxProject

Where are we?

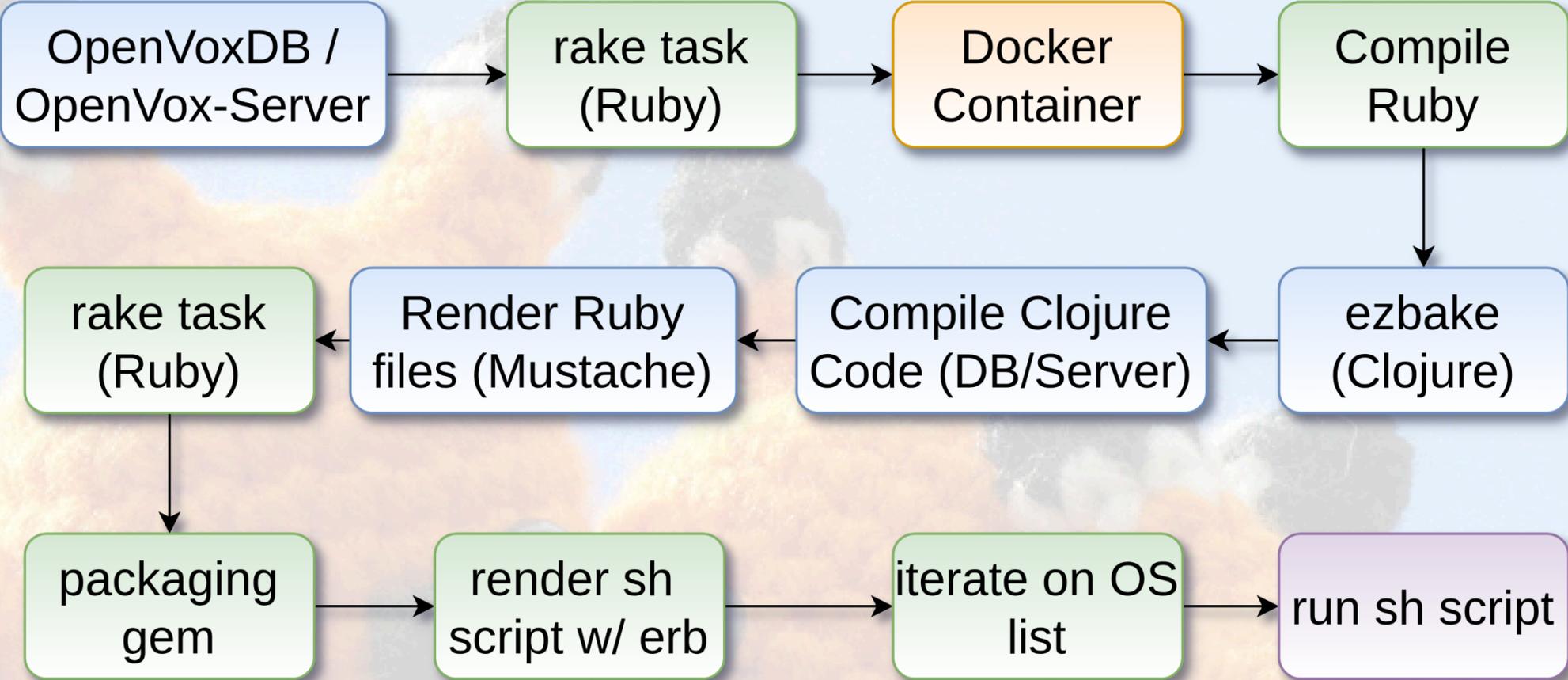
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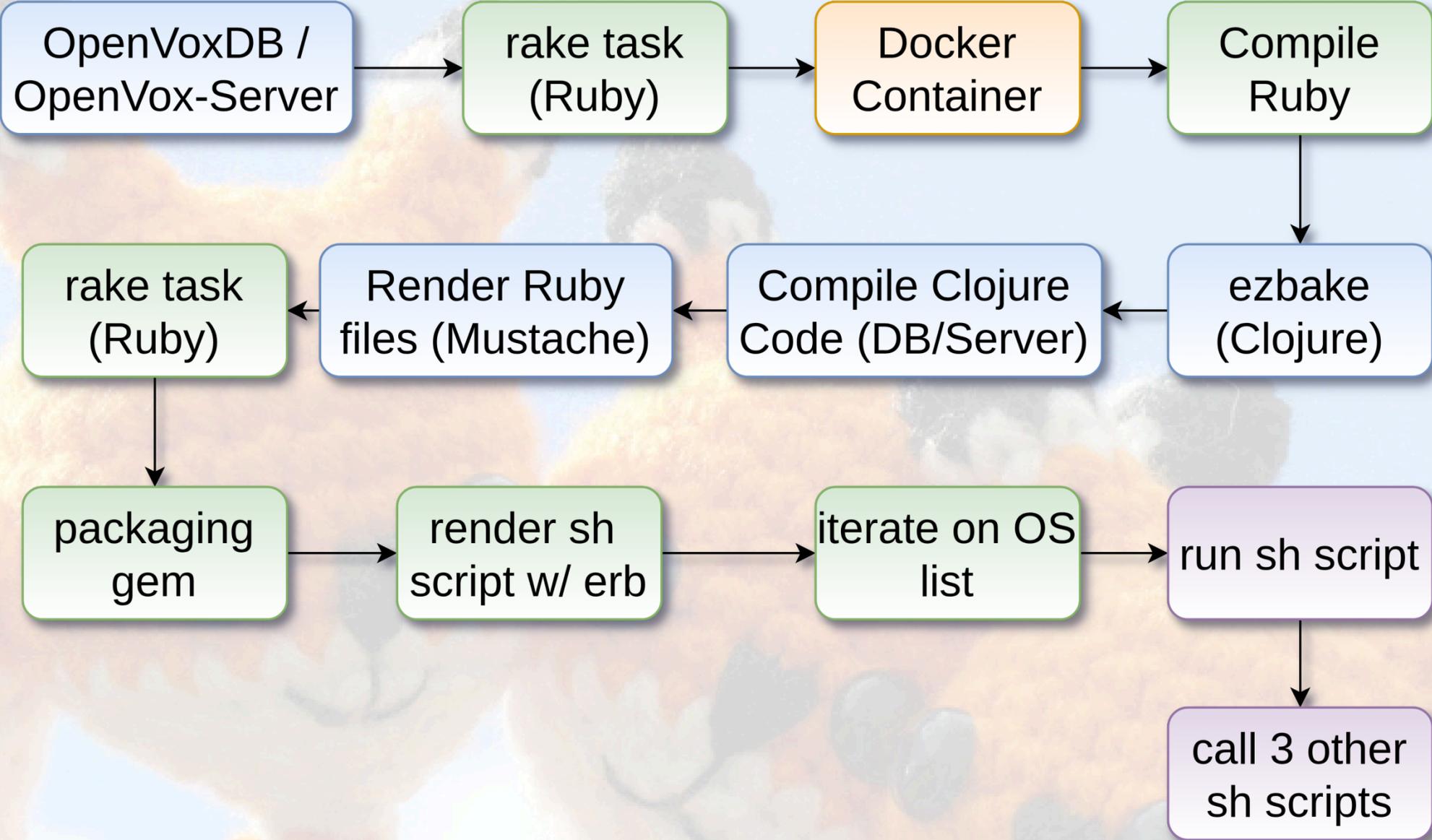
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OpenVoxProject

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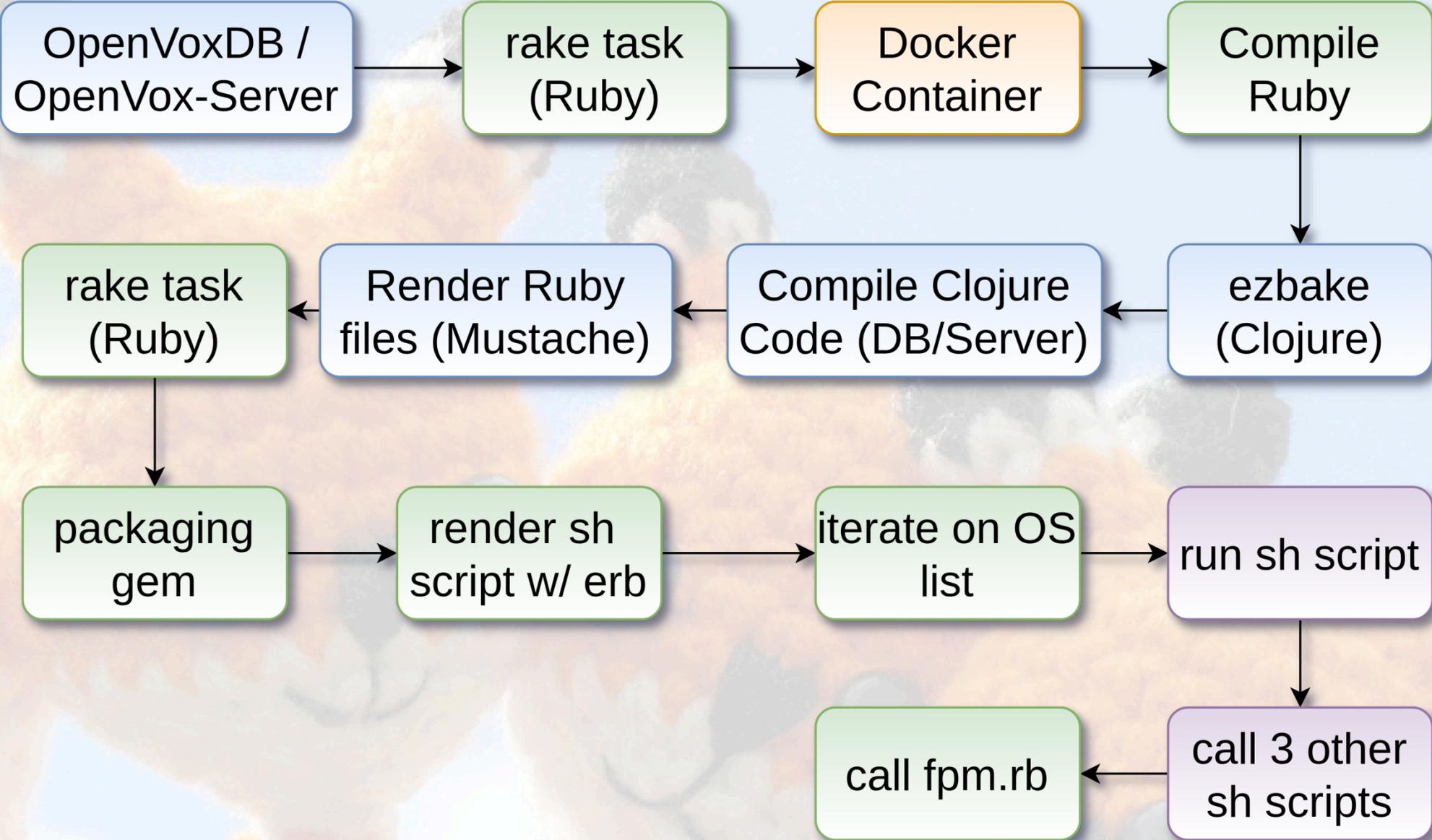
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OpenVoxProject

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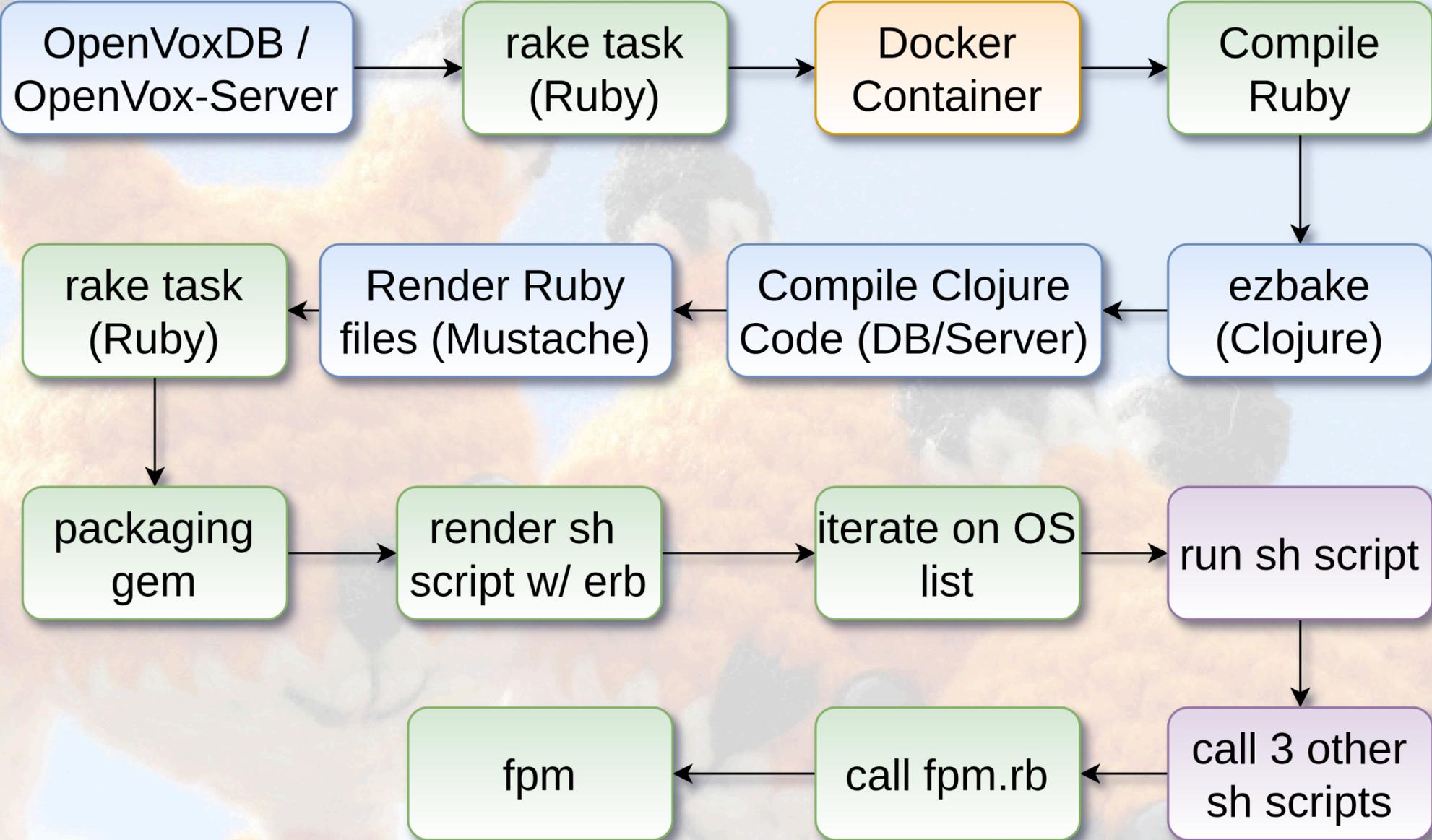
ezbake



OpenVoxProject

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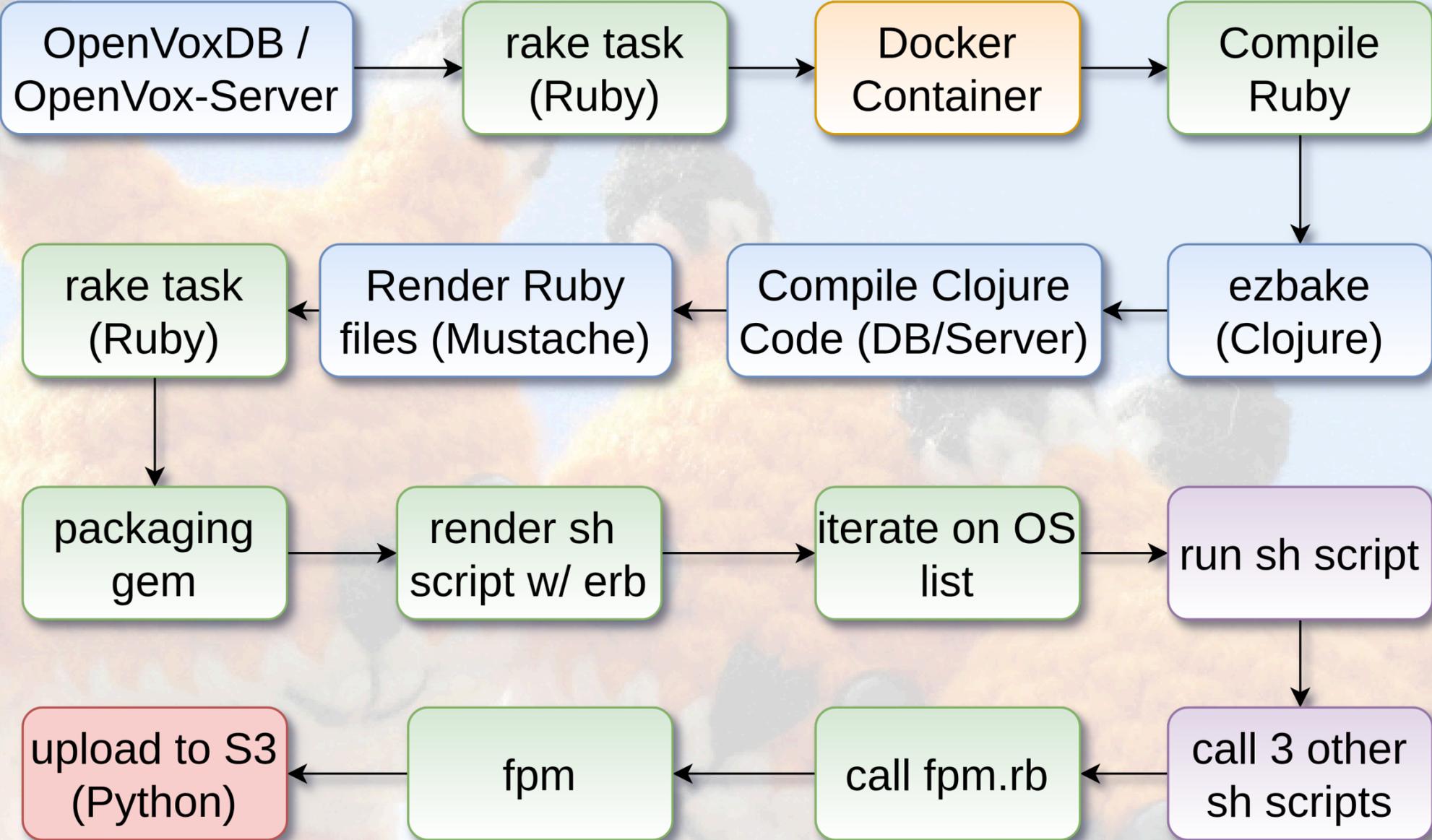
ezbake



OpenVoxProject

Where are we?

ezbake

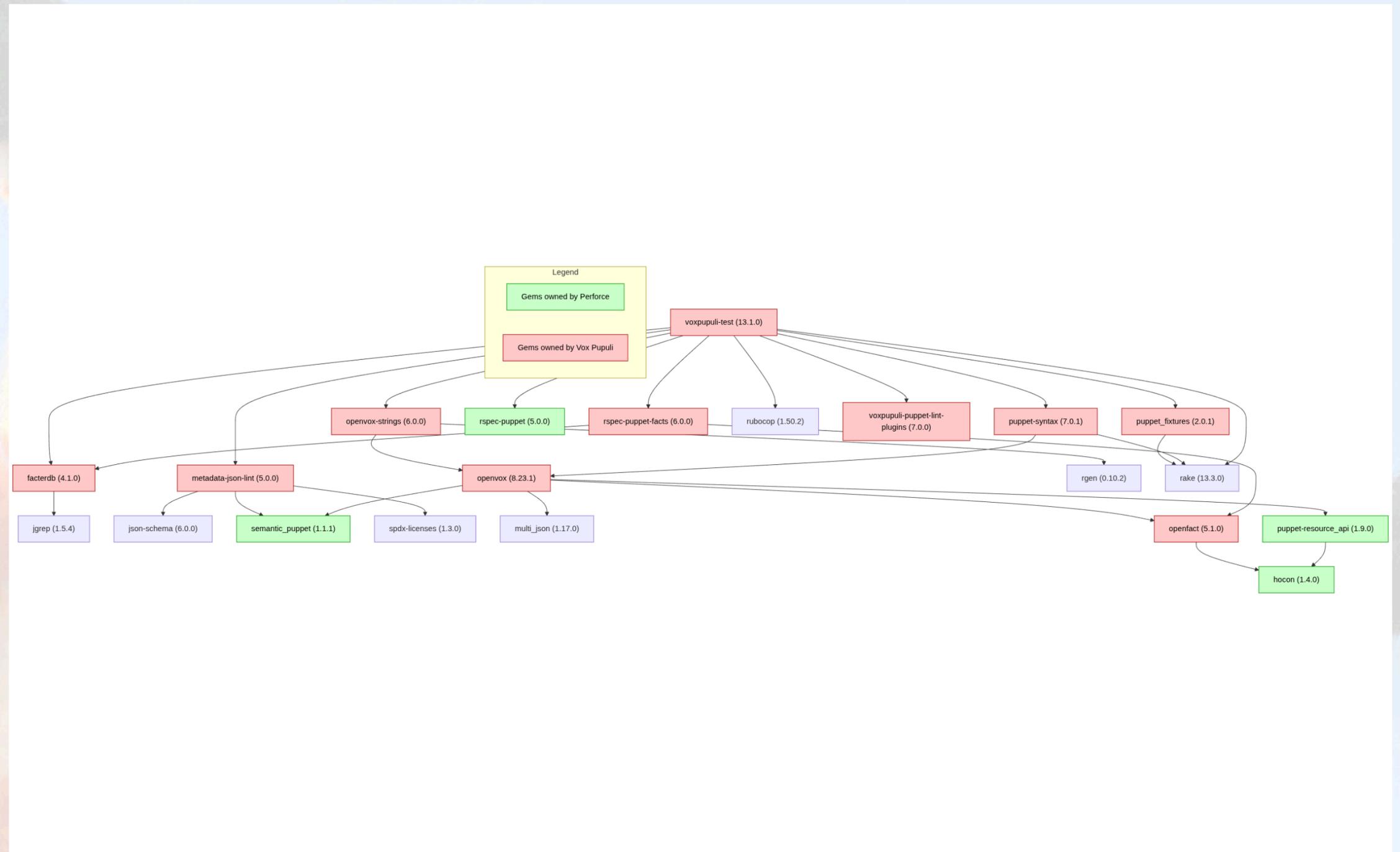


OpenVoxProject

Where are we?

ezbake

Dependencies



OpenVoxProject

Where are we?

ezbake

Dependencies

- Graph of all Ruby dependencies for openvox: github.com/voxpupuli/voxpupuli.github.io/pull/565
- We had to fork puppet-strings → [openvox-strings](#)
 - puppet-strings had a dependency to puppet, but that's gone now
- We had to fork Facter → [OpenFact](#)



OpenVoxProject

Where are we?

ezbake

Dependencies

- Graph of all Ruby dependencies for openvox: github.com/voxpupuli/voxpupuli.github.io/pull/565
- We had to fork puppet-strings → [openvox-strings](#)
 - puppet-strings had a dependency to puppet, but that's gone now
- We had to fork Facter → [OpenFact](#)
- We removed puppetlabs_spec_helper from our module testing pipeline





Community
Update

Community Update

Drop Puppet

- We discussed dropping support for Perforce package → github.com/voxpupuli/community-triage/issues/59
 - Packages are EoL / have dependencies with open CVEs
 - Perforce won't publish updates
 - We removed puppet from metadata.json as a supported implementation



Community Update

Drop Puppet

Drop OpenVox7

- We discussed dropping OpenVox 7 support → <https://github.com/voxpupuli/community-triage/issues/60>
- Back when we started the OpenVoxProject, we still supported Puppet 7, so we offered OpenVox 7 & 8 packages
- OpenVox 7 only exists to make it easier for people to migrate



Community Update

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- We discussed dropping OpenVox 7 support → <https://github.com/voxpupuli/community-triage/issues/60>
- Back when we started the OpenVoxProject, we still supported Puppet 7, so we offered OpenVox 7 & 8 packages
- OpenVox 7 only exists to make it easier for people to migrate
- A big thank you to [Christoph Maser \(TheMeier\)](#) for doing most of those changes!



Community Update

For OpenVox-Server/DB/Agent & OpenBolt

- EL8, EL9, EL10, Amazon 2, Amazon 2023, Fedora, SLES 15

Drop Puppet

Drop OpenVox7

Supported platforms



Community Update

For OpenVox-Server/DB/Agent & OpenBolt

Drop Puppet

Drop OpenVox7

Supported platforms

- EL8, EL9, EL10, Amazon 2, Amazon 2023, Fedora, SLES 15
 - X86, PowerPC64le (openbolt will be added), AARCH64



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 - **FIPS X86 for EL8 & EL9 (EL10 soon)**



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 - SLES 16 in the making!



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 - SLES 16 in the making!
- Debian 11, 12, 13
 - X86, AARCH64



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 - SLES 16 in the making!
- Debian 11, 12, 13
 - X86, AARCH64
 - ARMHF in the making!



Community Update

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Drop OpenVox7

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For OpenVox-Server/DB/Agent & OpenBolt

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 - SLES 16 in the making!
- Debian 11, 12, 13
 - X86, AARCH64
 - ARMHF in the making!
- Ubuntu 20.04, 22.04, 24.04, 25.04
 - X86, AARCH64
 - ARMHF in the making!



Community Update

Drop Puppet

Drop OpenVox7

Supported platforms

For OpenVox-Server/DB/Agent & OpenBolt

- EL8, EL9, EL10, Amazon 2, Amazon 2023, Fedora, SLES 15
 - X86, PowerPC64le (openbolt will be added), AARCH64
 - **FIPS X86 for EL8 & EL9 (EL10 soon)**
 - SLES 16 in the making!
- Debian 11, 12, 13
 - X86, AARCH64
 - ARMHF in the making!
- Ubuntu 20.04, 22.04, 24.04, 25.04
 - X86, AARCH64
 - ARMHF in the making!
 - Do people care about Ubuntu 24.10, 25.10..?



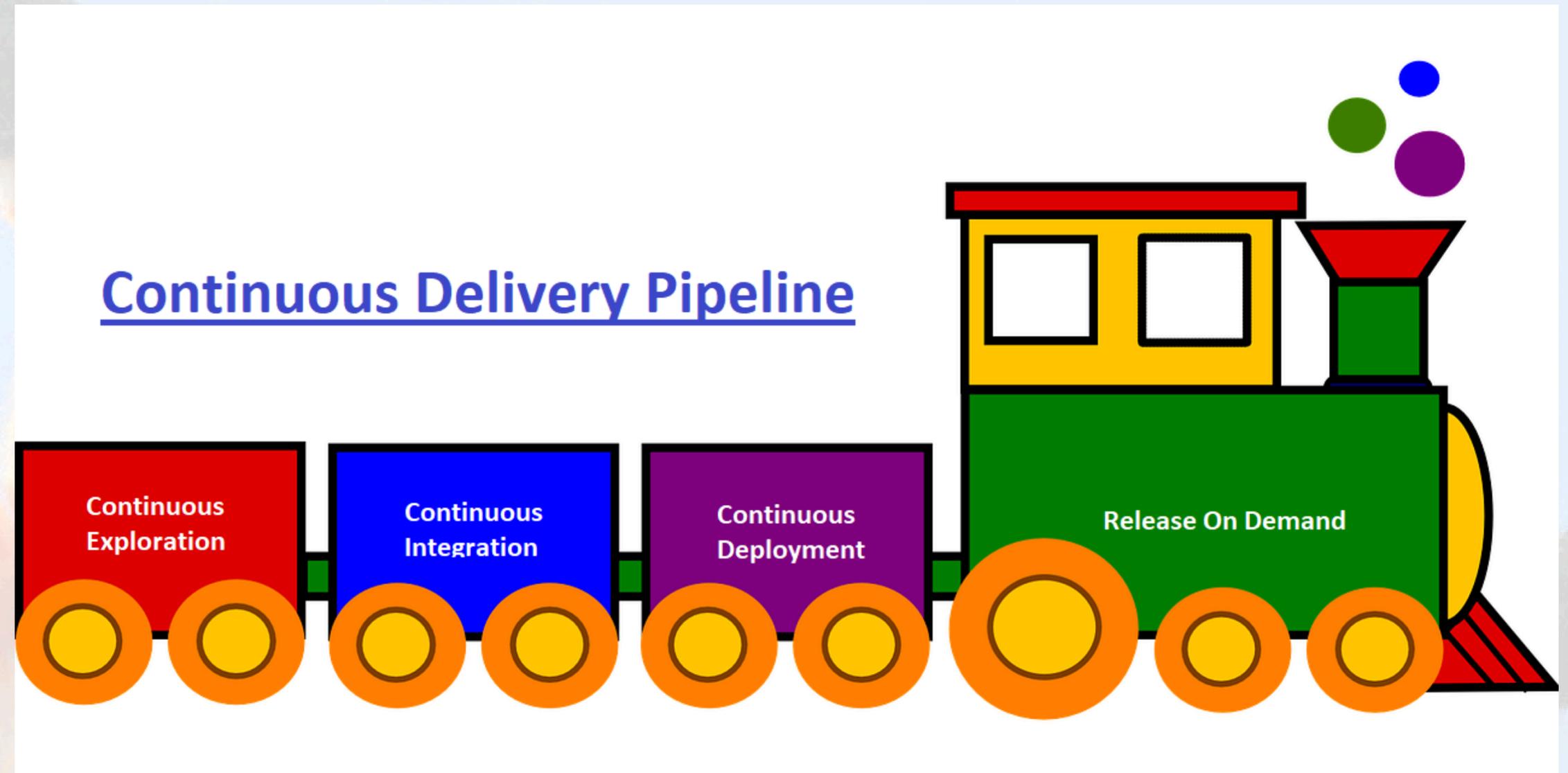
Community Update

Drop Puppet

Drop OpenVox7

Supported platforms

Release train!



(from [linkedin.com/pulse/art-agile-release-train-dummies-puneet-relan](https://www.linkedin.com/pulse/art-agile-release-train-dummies-puneet-relan))

Community Update

Drop Puppet

Drop OpenVox7

Supported platforms

Release train!

- Rocky Linux 10 Release: 2025-06-11
- openvox-agent EL10 Release: 2025-02-21
- OpenVox Time to market: -110 days!



Community Update

- openvox-server EL10 release: 2025-06-03
- PE 2023.8.6 with EL10 support: 2025-12-18

Drop Puppet

Drop OpenVox7

Supported platforms

Release train!



Community Update

Drop Puppet

Drop OpenVox7

Supported platforms

Release train!

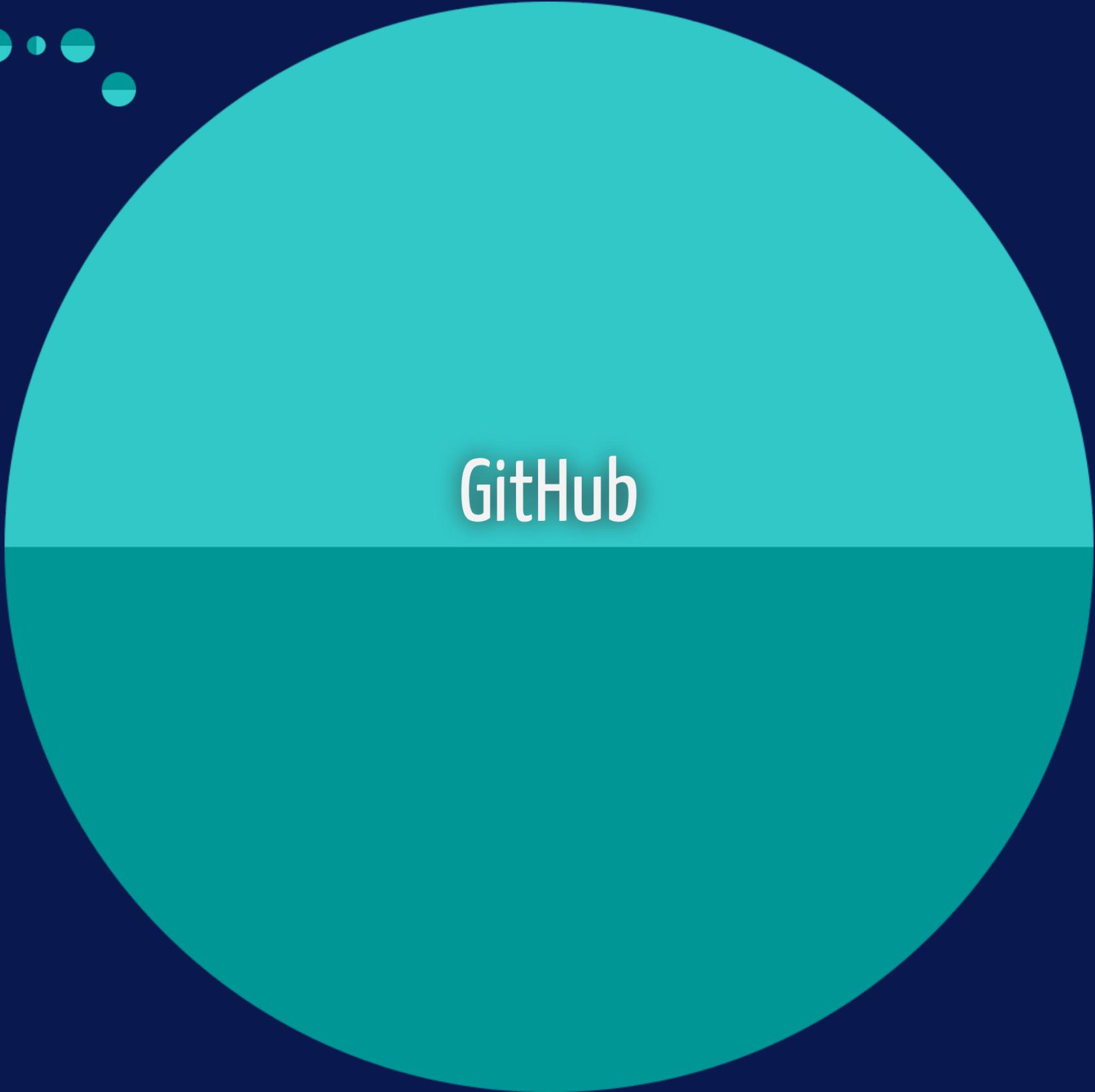
New logo!

OpenVox



- Available in our repo: github.com/voxpupuli/logos





GitHub

GitHub

- Code Annotations (RuboCop)!

code annotations

```
1 Rakefile
```

↑	@@	-167,6	+167,7	@@
167	167	end		
168	168	end		
169	169			
170		+		

✗ Check failure on line 170 in Rakefile

 **GitHub Actions** / Lint - Ruby 2.7

Layout/EmptyLines: Extra blank line detected. (<https://rubystyle.guide#two-or-more-empty-lines>)

170	171	begin		
171	172	require 'rubygems'		
172	173	require 'github_changelog_generator/task'		

```
↓
```

GitHub

code annotations

- Code Annotations (RuboCop, puppet-lint)!

```
▼ ↕ 1 ■■■■■ manifests/init.pp 📄  
↑  
6 6 class example (  
7 7   Stdlib::Absolutepath $file = '/tmp/puppet-example',  
8 8   String[1] $content = 'Hello World!',  
9 + String[1] $foo = 'test',  
⚠ Check warning on line 9 in manifests/init.pp  
🔊 GitHub Actions / Puppet / Static validations  
missing documentation for class parameter example::foo (check: parameter_documentation)
```

- important for puppetmodule.info

GitHub

code annotations

- Code Annotations (RuboCop, puppet-lint, rspec-puppet)!

```
spec/classes/example_spec.rb
```

↑	@@ -7,7 +7,7 @@	
7	7	context "on #{os}" do
8	8	let(:facts) { os_facts }
9	9	
10	-	it { is_expected.to compile.with_all_deps }
	10	+ it { is_expected.not_to compile.with_all_deps }

✖ Check failure on line 10 in spec/classes/example_spec.rb

GitHub Actions / Puppet / 7 (Ruby 2.7)

example on debian-11-x86_64 is expected not to compile into a catalogue without dependency cycles

Failure/Error: it { is_expected.not_to compile.with_all_deps }
expected that the catalogue would not compile but it does

GitHub

code annotations

- Code Annotations (RuboCop, puppet-lint, rspec-puppet, Beaker)!

```
31 30 describe package('zabbix-server-pgsql') do
32 31   it { is_expected.to be_installed }
```

✗ Check failure on line 31 in spec/acceptance/server_spec.rb

 **GitHub Actions** / Puppet / Puppet 8 - OracleLinux 7 - Zabbix 6.0

zabbix::server class default parameters Package "zabbix-server-pgsql" is expected to be installed

Failure/Error: it { is_expected.to be_installed }
expected Package "zabbix-server-pgsql" to be installed

GitHub

code annotations

- Code Annotations (RuboCop, puppet-lint, rspec-puppet, Beaker, rspec)!

```
spec/beaker/host_prebuilt_steps_spec.rb
```

```
@@ -11,7 +11,7 @@
11 11  shared_examples 'enables_root_login' do |platform, commands, non_cygwin|
12 12      subject { dummy_class.new }
13 13
14 14      it "can enable root login on #{platform}" do
```

✗ Check failure on line 14 in spec/beaker/host_prebuilt_steps_spec.rb

 **GitHub Actions** / Ruby 4.0

Beaker behaves like enables_root_login can enable root login on windows-11-64

Failure/Error: host.exec(Command.new("sed -ri 's/^#?PermitRootLogin /PermitRootLogin yes/' /etc/sshd_config"), { :pty => true })

```
#<Beaker::Command (class)> received :new with unexpected arguments
  expected: ("sed -ri 's/^#?PermitRootLogin /PermitRootLogin no/' /etc/sshd_config")
    got: ("sed -ri 's/^#?PermitRootLogin /PermitRootLogin yes/' /etc/sshd_config")
Shared Example Group: "enables_root_login" called from ./spec/beaker/host_prebuilt_steps_spec.rb:31
```

GitHub

code annotations

- Code Annotations (RuboCop, puppet-lint, rspec-puppet, Beaker, rspec, Clojure)!

Unchanged files with check annotations Beta

test/puppetlabs/puppetdb/http/reports_test.clj 

```
219 (let [{:keys [status body]} (query-response :get "/v4/reports" "[\`=\\`")]  
220 (testing "malformed json queries don't return status 500 responses"  
221 (is (= 400 status))  
222 (is (= (str "Json parse error at line 1, column 5:\n\n"
```

✗ Check failure on line 222 in test/puppetlabs/puppetdb/http/reports_test.clj

 **GitHub Actions** / core+ext/openjdk21/pg-16 - Ruby 3.4

```
fail: puppetlabs.puppetdb.http.reports-test/query-report-with-malformed-json  
  expected: (= (str "Json parse error at line 1, column 5:\n\n" "[\`=\\`" " ^\n\n" "Unexpected end-of-input:  
  actual: (not (= "Json parse error at line 1, column 5:\n\n[\`=\\`" ^\n\nUnexpected end-of-input: expected
```

- Thank you to Nick Burgan for contributing this!

GitHub

code annotations

- Code Annotations (RuboCop, puppet-lint, rspec-puppet, Beaker, rspec, Clojure, minitest)!

Unchanged files with check annotations Beta

test/puppetlabs/puppetdb/http/reports_test.clj

```
219 (let [{:keys [status body]} (query-response :get "/v4/reports" "[\"]=")]
220 (testing "malformed json queries don't return status 500 responses"
221 (is (= 400 status))
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✗ Check failure on line 222 in test/puppetlabs/puppetdb/http/reports_test.clj

 **GitHub Actions** / core+ext/openjdk21/pg-16 - Ruby 3.4

fail: puppetlabs.puppetdb.http.reports-test/query-report-with-malformed-json

expected: (= (str "Json parse error at line 1, column 5:\n\n" "[\"]=" ^\n\n" "Unexpected end-of-input:

actual: (not (= "Json parse error at line 1, column 5:\n\n[\"]=" ^\n\nUnexpected end-of-input: expected

- Thank you to Ewoud and Evgeni for contributing this!

GitHub

code annotations

CI costs

- GitHub Actions 2025: \$11,993.91 consumed usage
- GitHub Actions 2025: \$5.49 billable usage



GitHub

code annotations

CI costs

- GitHub Actions 2025: \$11,993.91 consumed usage
- GitHub Actions 2025: \$5.49 billable usage
- GitHub Action January 2026: \$3,872.42 consumed usage



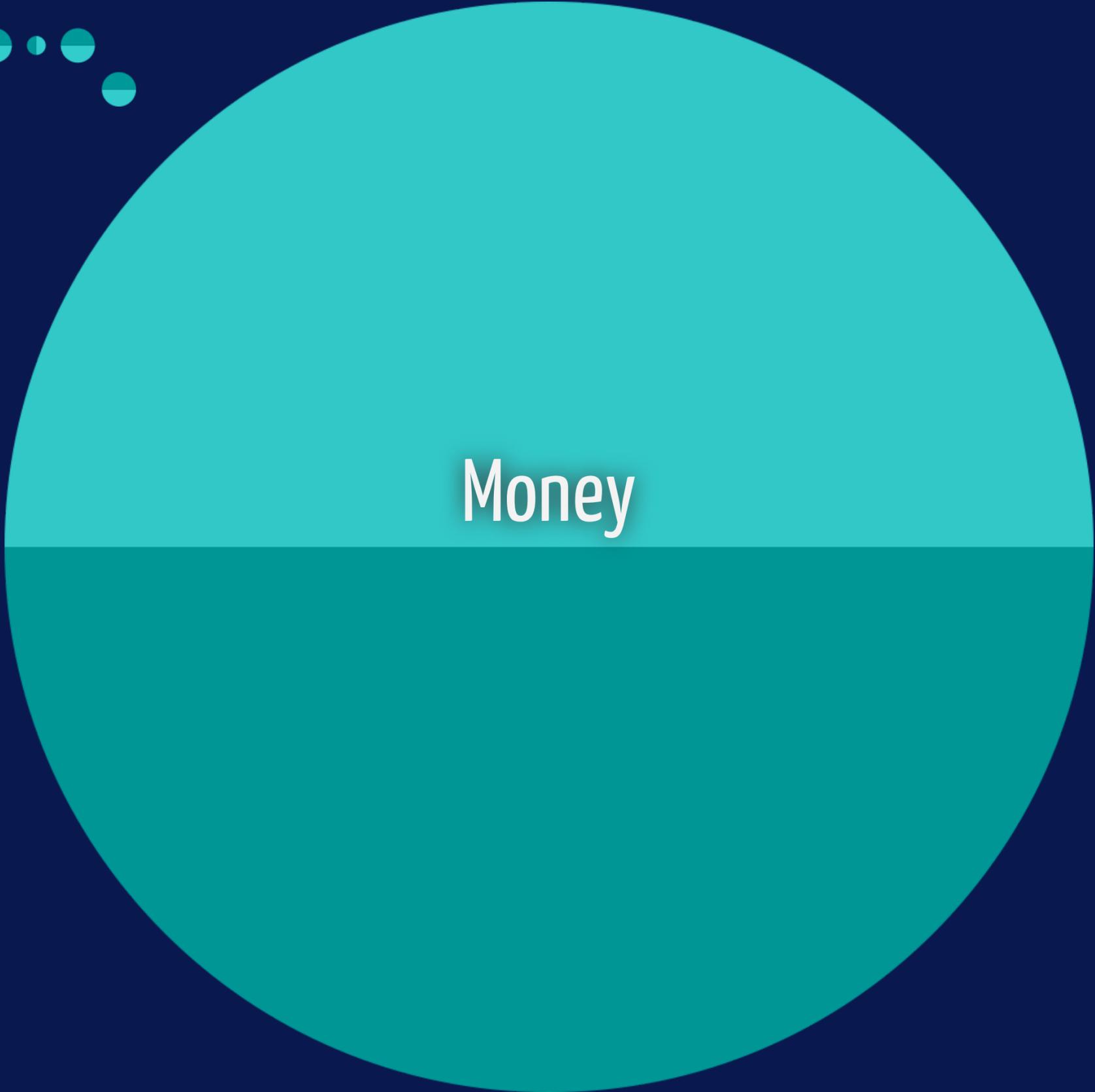
GitHub

code annotations

CI costs

- GitHub Actions 2025: \$11,993.91 consumed usage
- GitHub Actions 2025: \$5.49 billable usage
- GitHub Action January 2026: \$3,872.42 consumed usage
- GitHub enterprise is billed per user per month: \$6.300/month, sponsored by GitHub





Money

Money

Income

- 20-30 monthly sponsors
- Current balance: \$21.700
- Total raised: \$32.000
- \$18.000 raised via GitHub, \$14.000 via open-collective



Money

Income

- 20-30 monthly sponsors
- Current balance: \$21.700
- Total raised: \$32.000
- \$18.000 raised via GitHub, \$14.000 via open-collective
- Biggest donation: \$10.000 from Microsoft



Money

Income

Travel Budget

- Config Management Camp 2025: \$8.000
- VoxConf 2025: \$5.000
- Config Management Camp 2026: \$8.000



Money

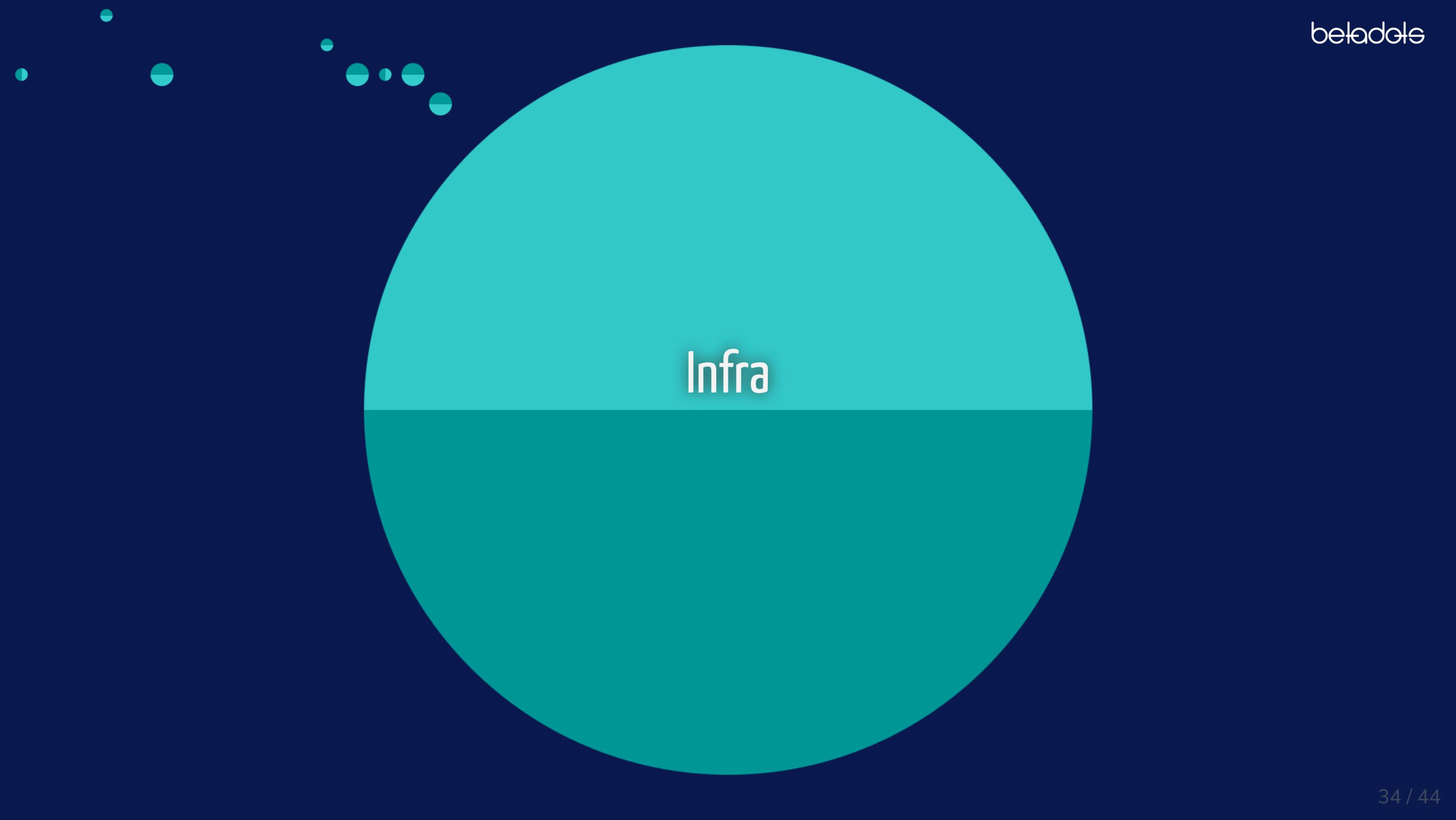
Income

Travel Budget

Paying Contributors

- We could reimburse contributors for... contributions
- The PMC defined a process in github.com/voxpupuli/community-triage/wiki/Vox-Pupuli-Bounty-Program
- Discussion on Wednesday: github.com/voxpupuli/community-triage/issues/85





Infra

Infra

Foreman

Host	Operating System	Owner	Created	Installed
mirror.voxpupu.li	🌀 Ubuntu 24.04.3...	Vox Pupuli	28 days ...	N/A
ci03.voxpupu.li	🌀 Ubuntu 24.04.3...	Vox Pupuli	1 month ...	N/A
ci04.voxpupu.li	🌀 Ubuntu 24.04.3...	Vox Pupuli	1 month ...	N/A
voxpupu.li	🌀 Ubuntu 22.04.5 ...	Vox Pupuli	1 month ...	N/A
forge.voxpupu.li	🌀 Ubuntu 24.04.3...	Vox Pupuli	1 month ...	N/A
puppetserver.voxpupu.li	🌀 Ubuntu 22.04.5 ...	Vox Pupuli	11 month...	N/A

- Join our DevSecOps-Team in #sig-infrastructure to help
- We run our own public foreman instance
- We use the OpenBolt Foreman Integration: github.com/overlookinfra/foreman_openbolt
 - [dedicated talk 17:15-17:40, B.1.031](#)



Infra

- We have a sponsored kubernetes cluster :happyface:

Foreman

Kubernetes



Infra

Foreman

Kubernetes

- We have a sponsored kubernetes cluster :happyface:
- We don't use it yet :sadface:



Infra

Foreman

Kubernetes

- We have a sponsored kubernetes cluster :happyface:
- We don't use it yet :sadface:
- We would like to use it as GitHub runners. Interested? Join [#sig-infrastructure on IRC/Slack](#)



Infra

- [jpartlow/kvm_automation_tooling](#) puppet module to spin up libvirt virtual machines with OpenBolt and Terraform

Foreman

- Used in [github.com/OpenVoxProject/acceptance-pipelines](#) for OpenVox acceptance testing

Kubernetes

- Installs Agent/DB/Server packages on multiple VMs and runs beaker

Best practices



Infra

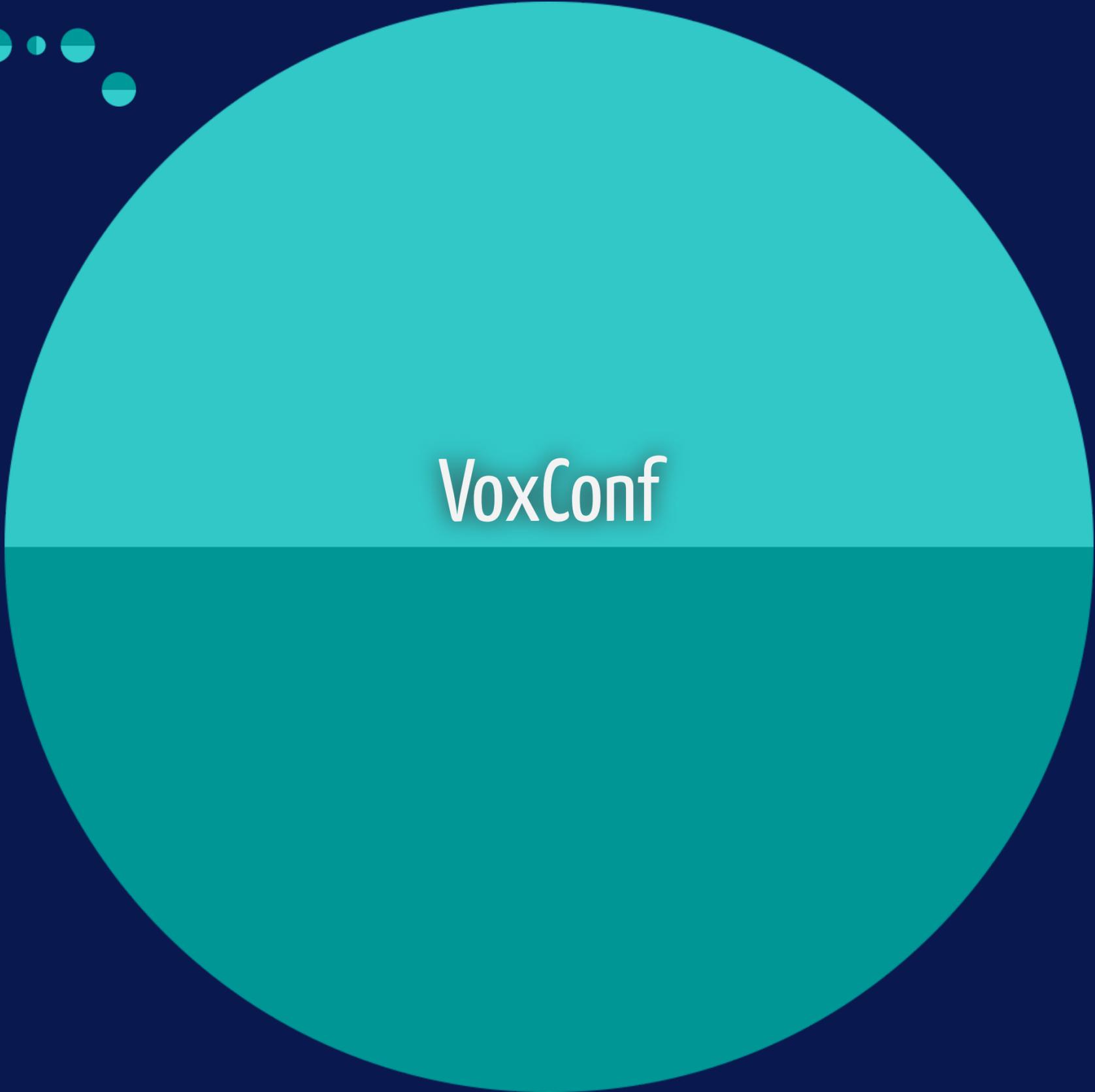
Foreman

Kubernetes

Best practices

- [jpartlow/kvm_automation_tooling](#) puppet module to spin up libvirt virtual machines with OpenBolt and Terraform
- Used in [github.com/OpenVoxProject/acceptance-pipelines](#) for OpenVox acceptance testing
 - Installs Agent/DB/Server packages on multiple VMs and runs beaker
- [voxpupuli.org/docs/arch_single_server](#) documents an OpenVox reference implementation
- [github.com/voxpupuli/reference-architecture](#) potential demo controlrepo *with multinode beaker acceptance tests*
 - Interested? Join [#sig-infrastructure](#) on IRC/Slack





VoxConf

VoxConf

2025



VoxConf

- voxpupuli.org/voxconf



VoxConf

2025

- half day conference
- 5 talks
- shared with the Foreman Birthday Party
- Vox Pupuli sponsored dinner + travel costs



VoxConf

2025



VoxConf

2025

2026

- VoxConf + Foreman Birthday Party
- 16th of July (Thursday), 2026
- Atix Office, Munich
- Atix & Netways have alternately sponsored locations



VoxConf

- VoxConf + Foreman Birthday Party
- Berlin

2025

2026

2027



VoxConf

2025

2026

2027

- VoxConf + Foreman Birthday Party
- Berlin
- Sponsors: Atix in 2026 -> Betadots in 2027 -> Netways in 2028 -> repeat



Conclusion

- Please join our [IRC/Slack](#) to provide feedback



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Conclusion

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- [Foreman OpenBolt Integration Demo 17:15](#) *in the foreman dev room*
- For feedback: bastelfreak on voxpupuli.slack.com / [Libera.Chat IRC](#) or tim@bastelfreak.de
- This talk and previous ones: github.com/bastelfreak/talks

Thanks for your attention!

