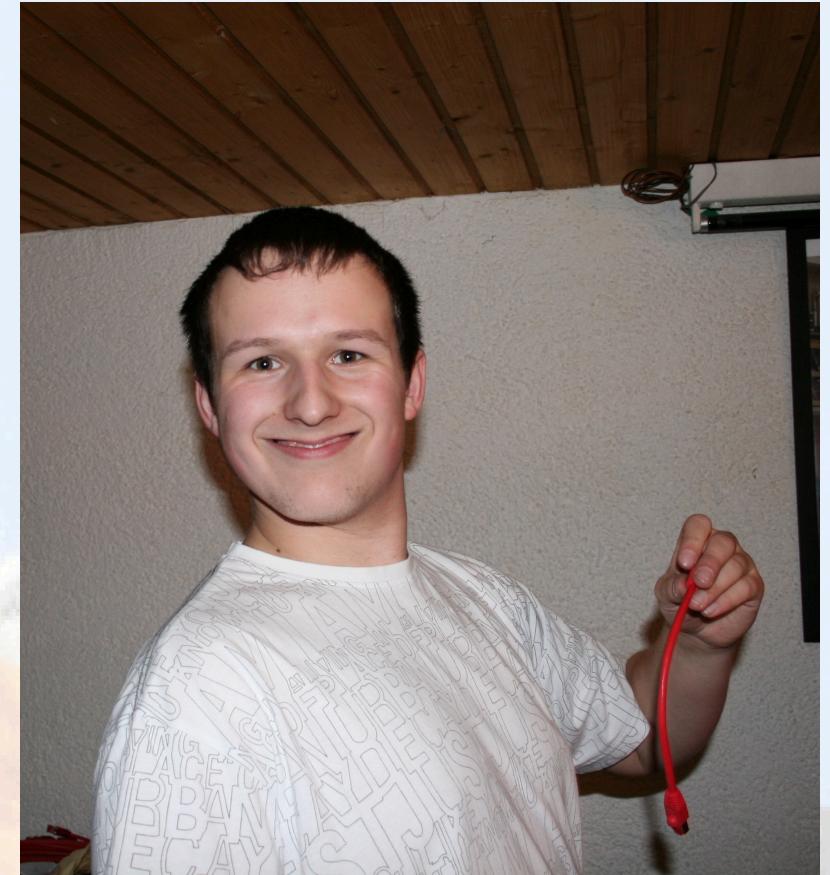


One year OpenVoxProject

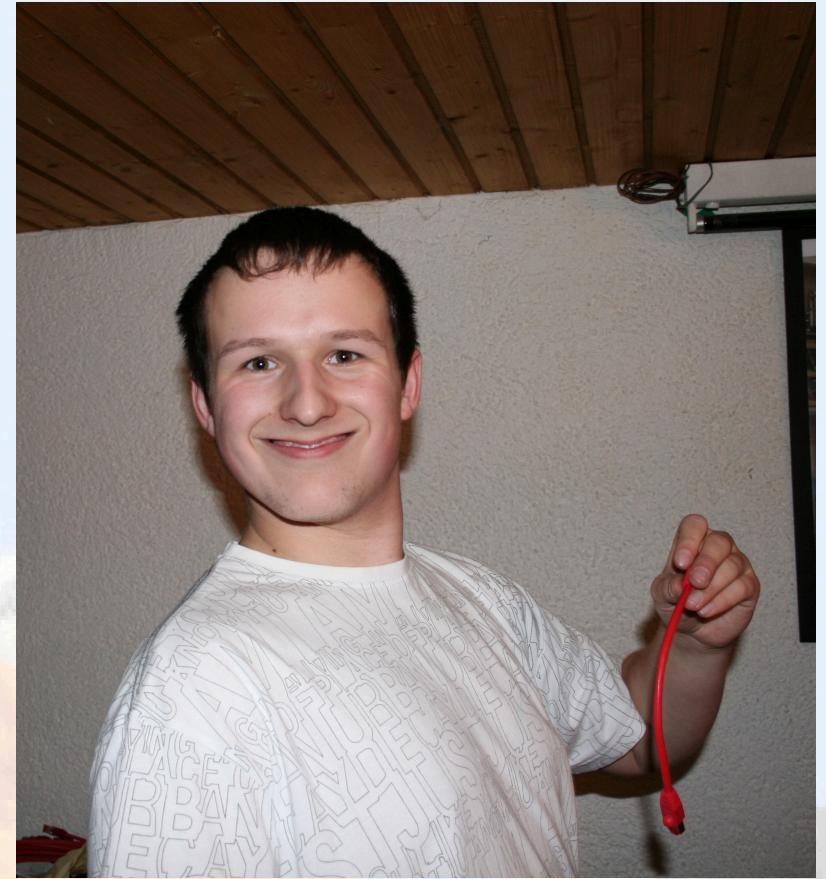
\$ whoami

- 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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- 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

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- 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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- Ever wanted to add a new OS? → github.com/OpenVoxProject/planning/wiki/Adding-support-for-new-platforms



OpenVoxProject

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- puppet-agent -> [openvox-agent](#)
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- All repositories have dependabot/renovate to inform us about updates
- The packaging process is documented! → github.com/OpenVoxProject/planning/wiki/How-OpenVox-builds-work
- 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?

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 ezbake?

Who understands ezbake?

OpenVoxProject

Where are we?

ezbake

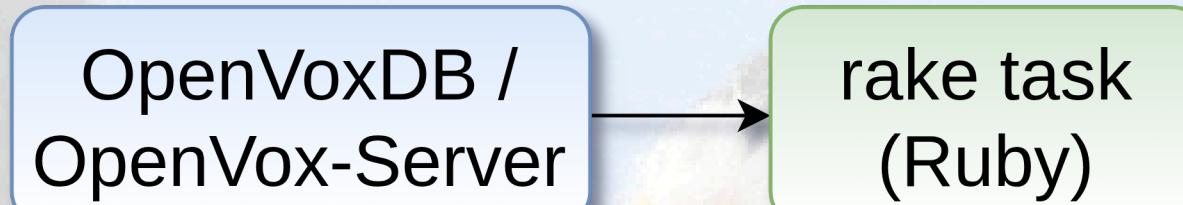
OpenVoxDB /
OpenVox-Server



OpenVoxProject

Where are we?

ezbake



OpenVoxProject

Where are we?

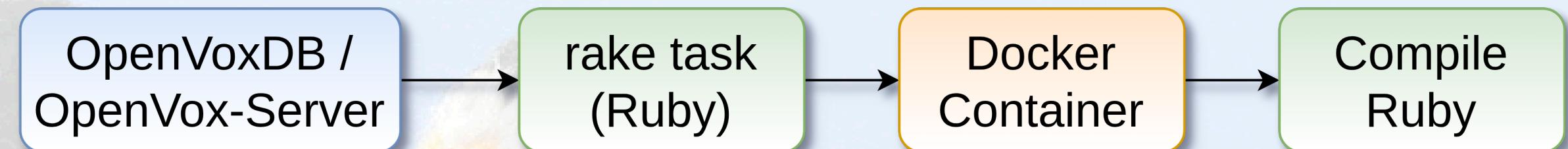
ezbake



OpenVoxProject

Where are we?

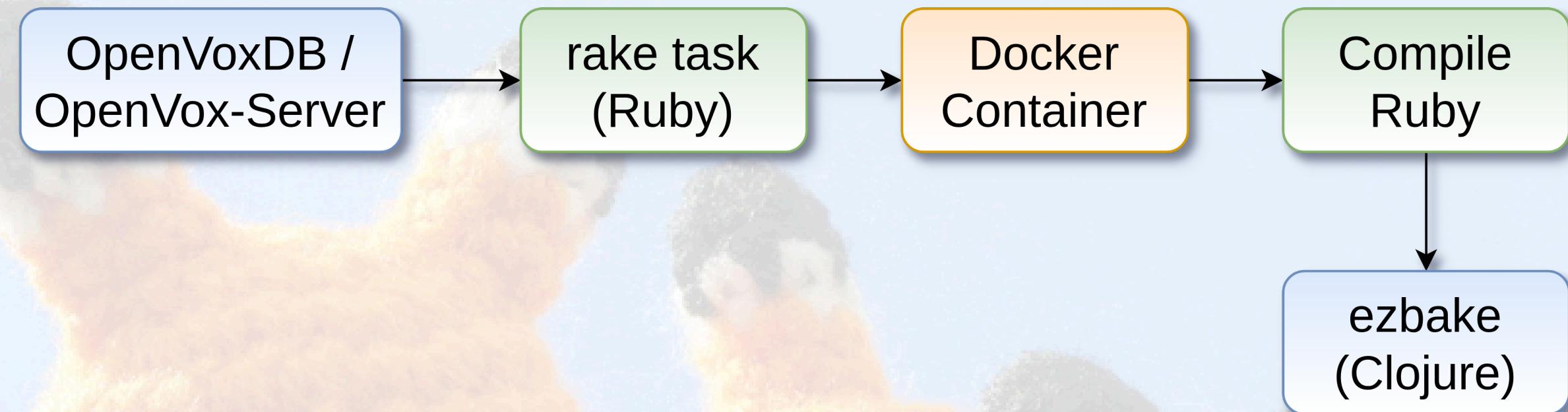
ezbake



OpenVoxProject

Where are we?

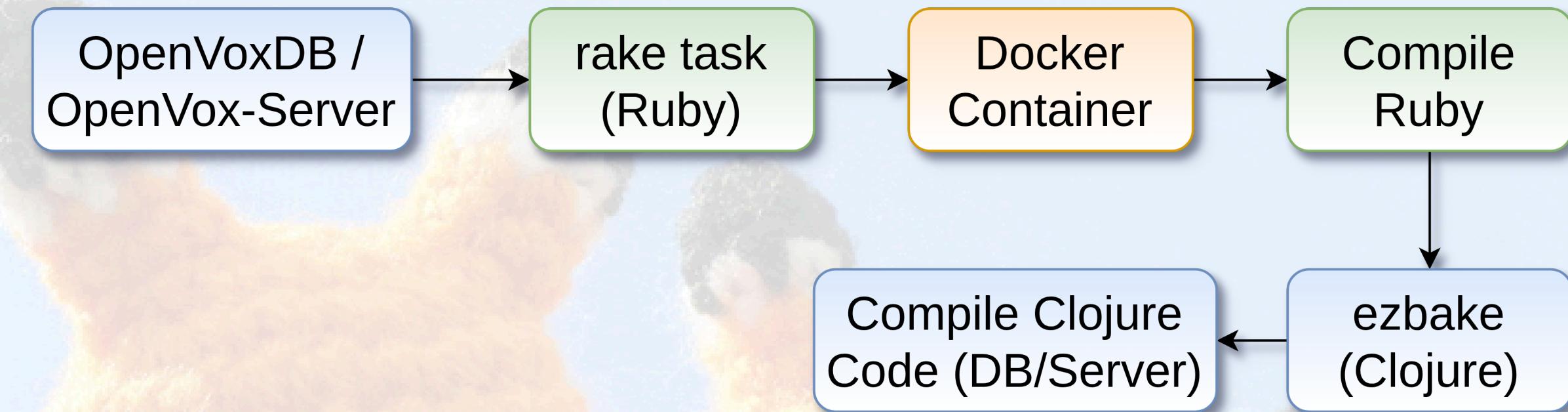
ezbake



OpenVoxProject

Where are we?

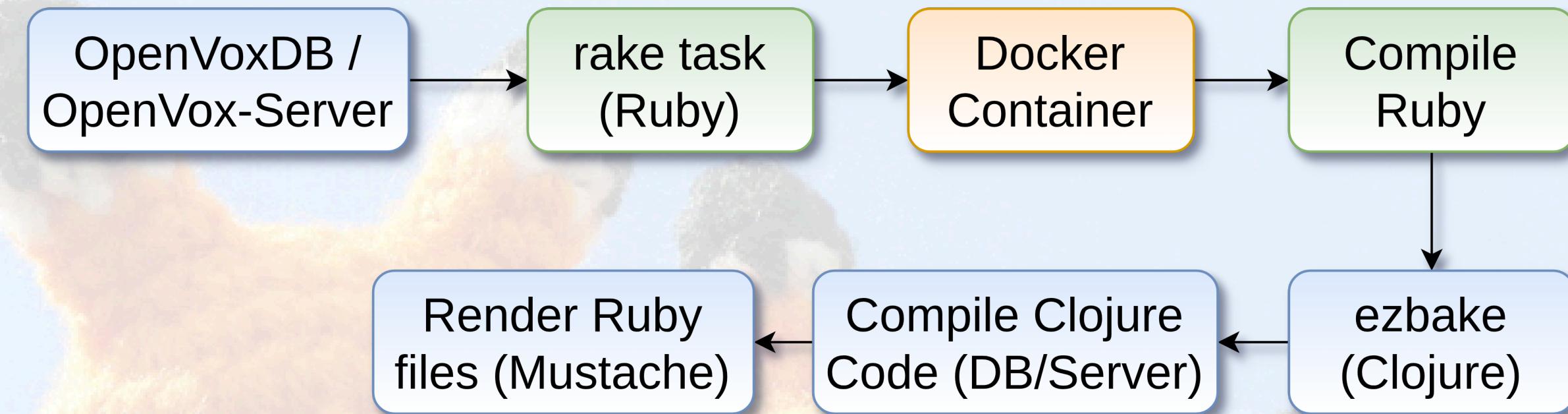
ezbake



OpenVoxProject

Where are we?

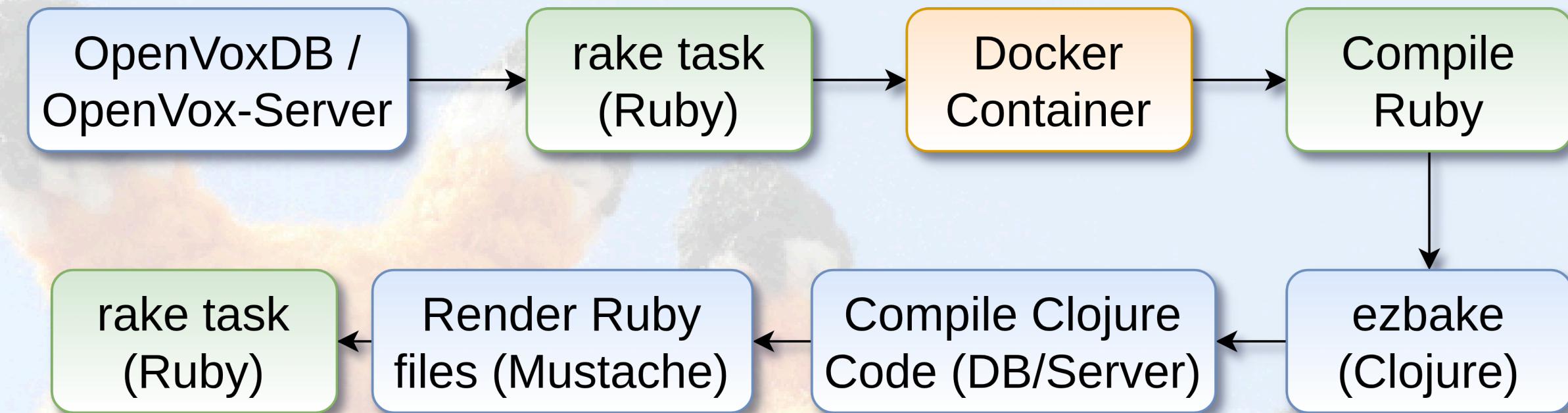
ezbake



OpenVoxProject

Where are we?

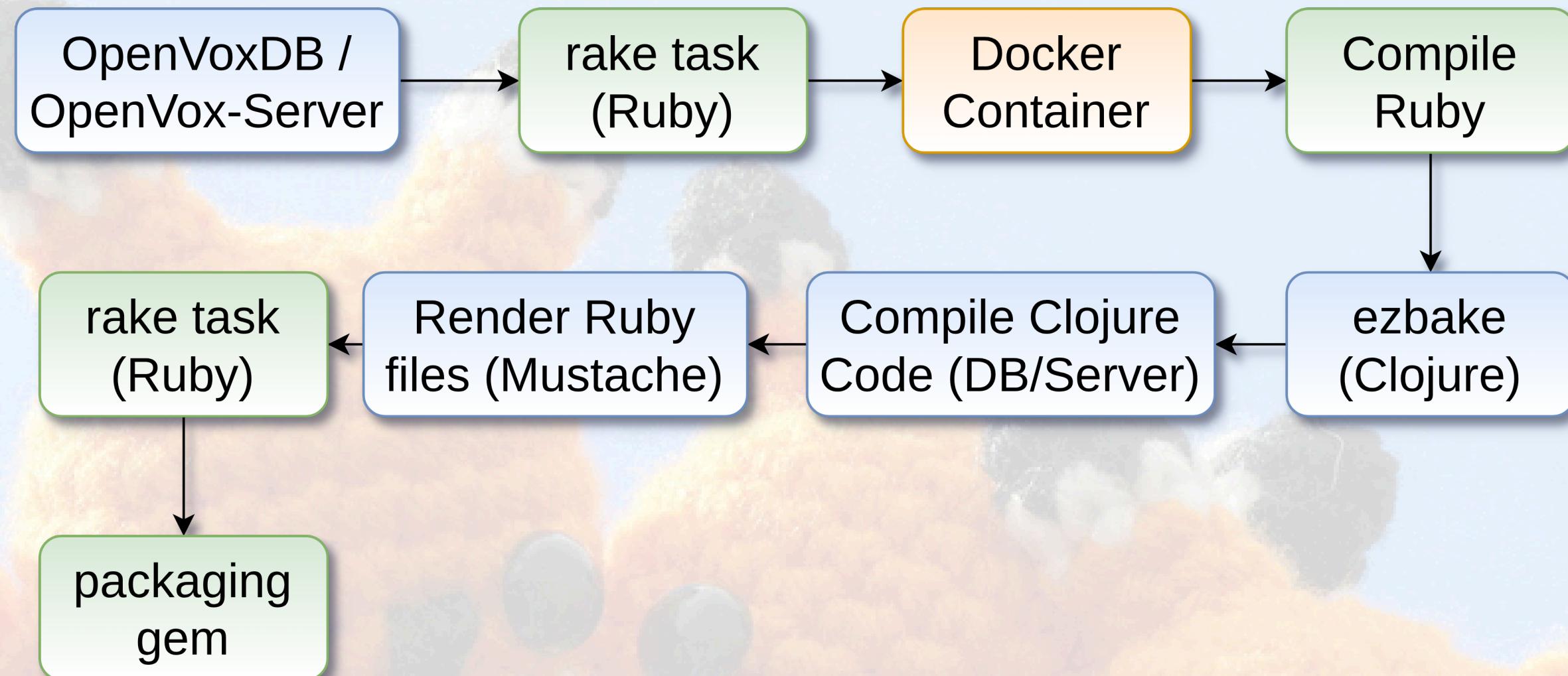
ezbake



OpenVoxProject

Where are we?

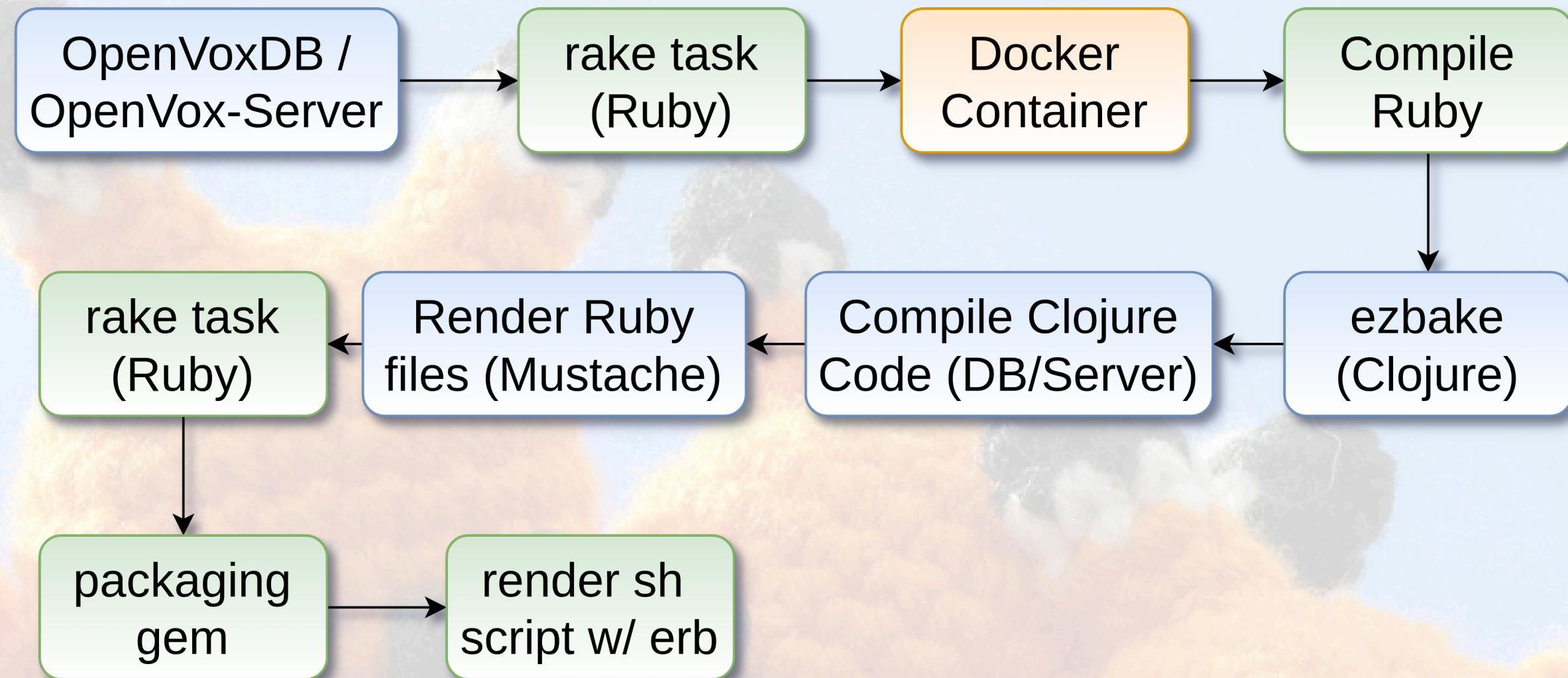
ezbake



OpenVoxProject

Where are we?

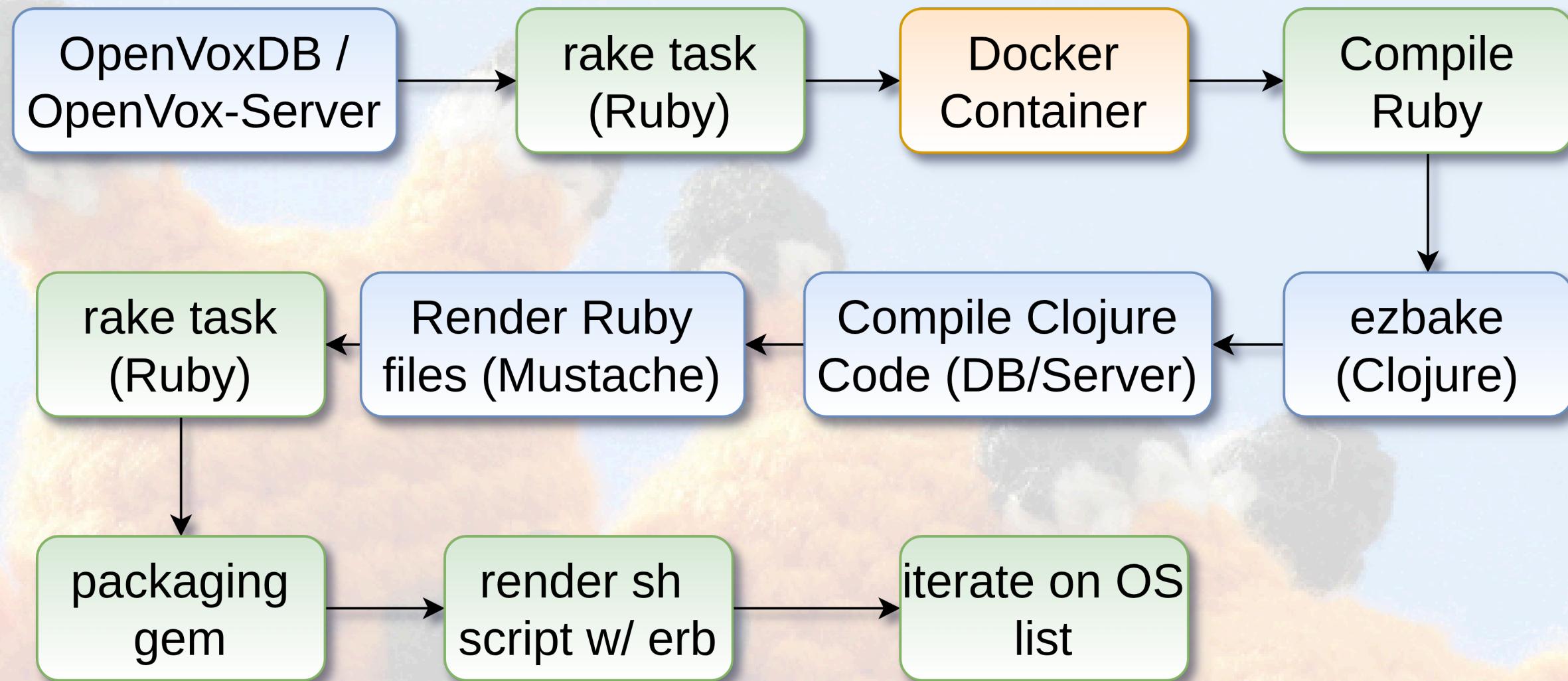
ezbake



OpenVoxProject

Where are we?

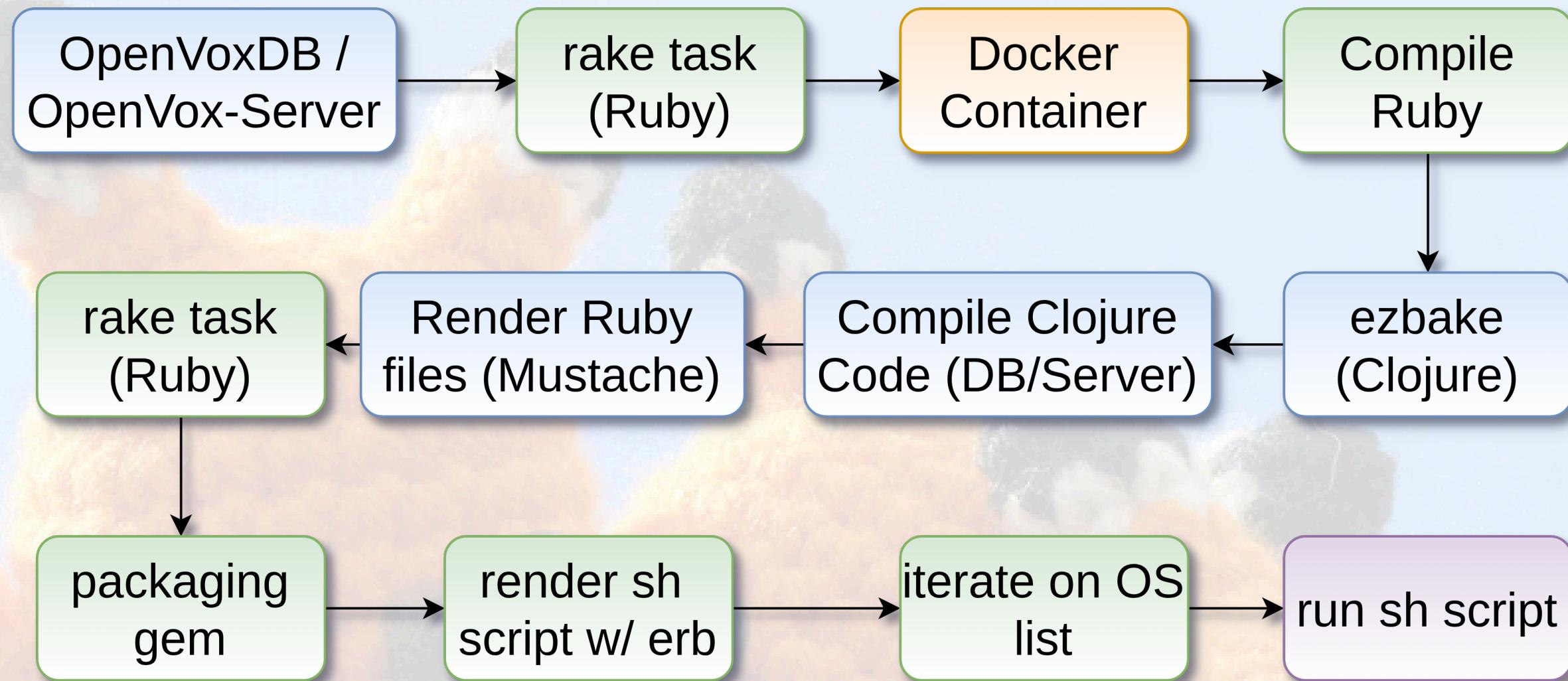
ezbake



OpenVoxProject

Where are we?

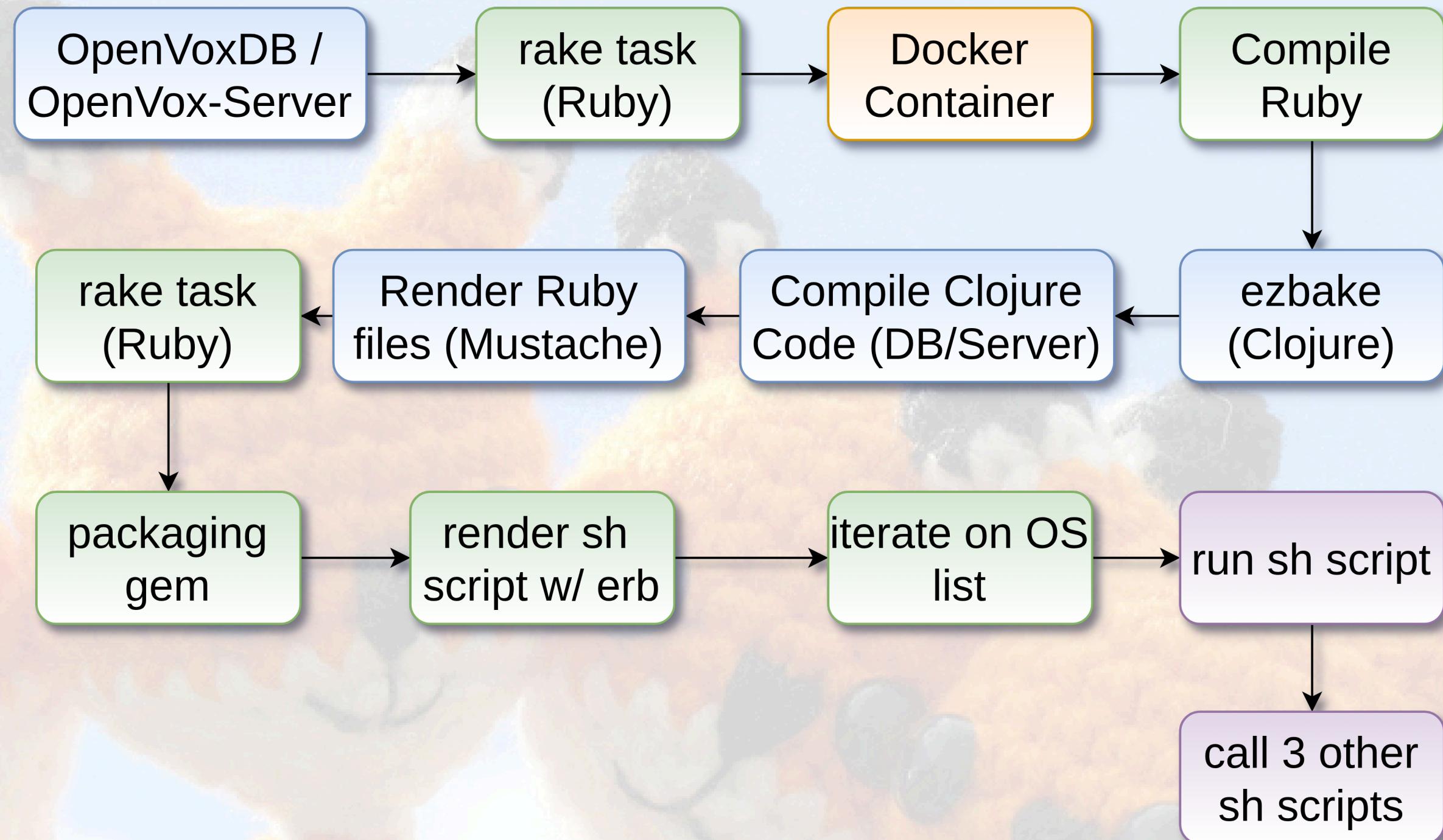
ezbake



OpenVoxProject

Where are we?

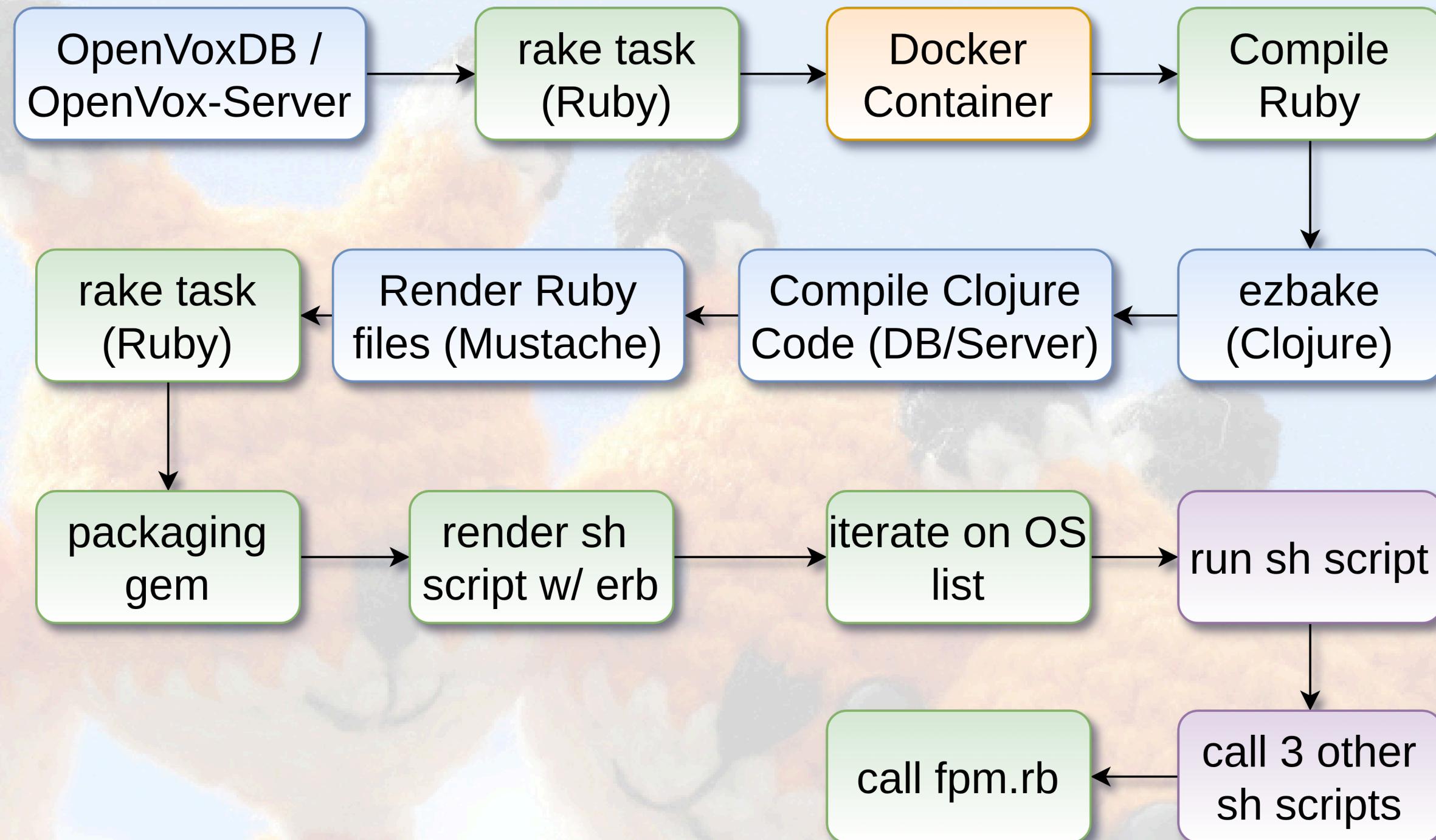
ezbake



OpenVoxProject

Where are we?

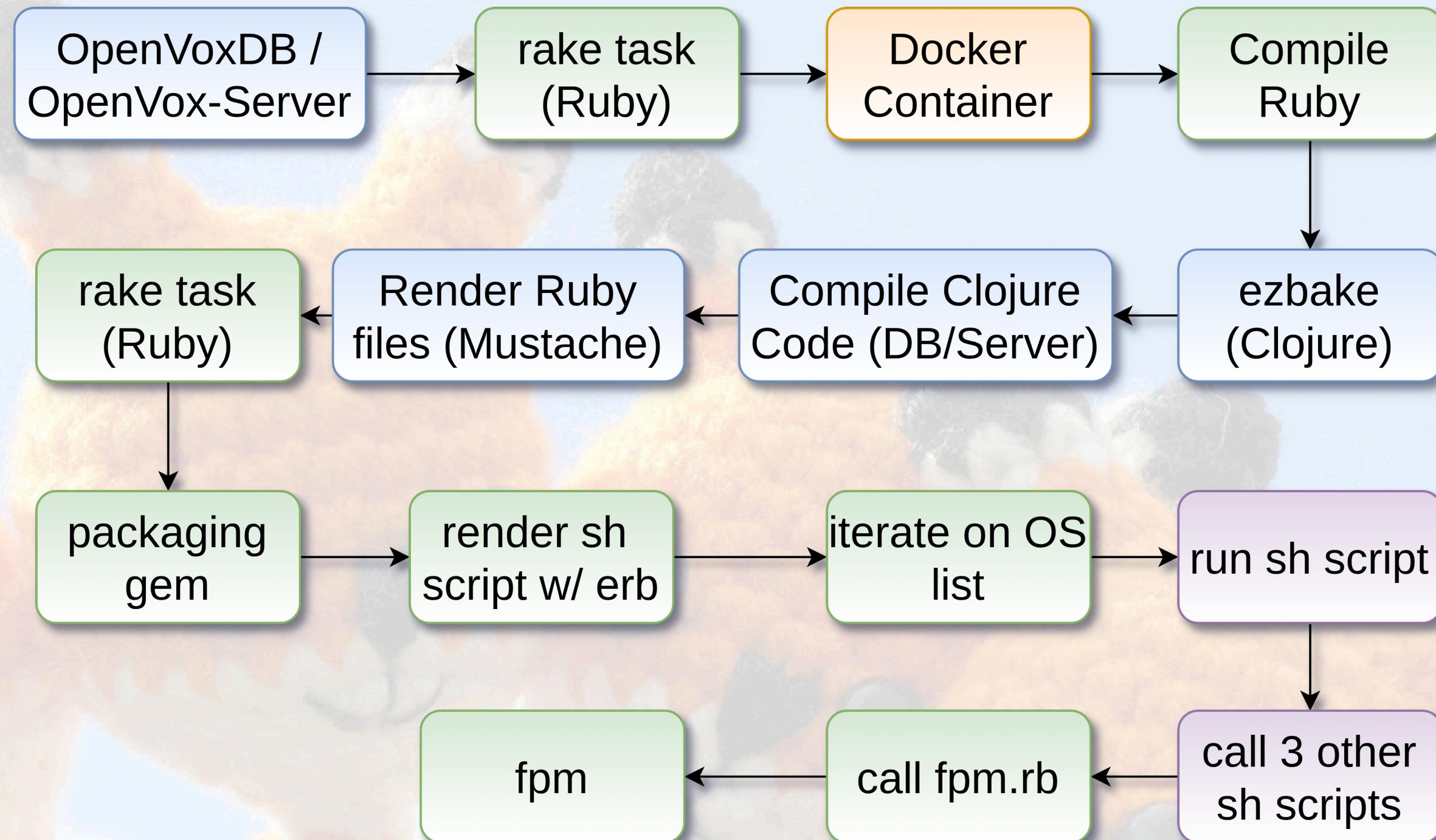
ezbake



OpenVoxProject

Where are we?

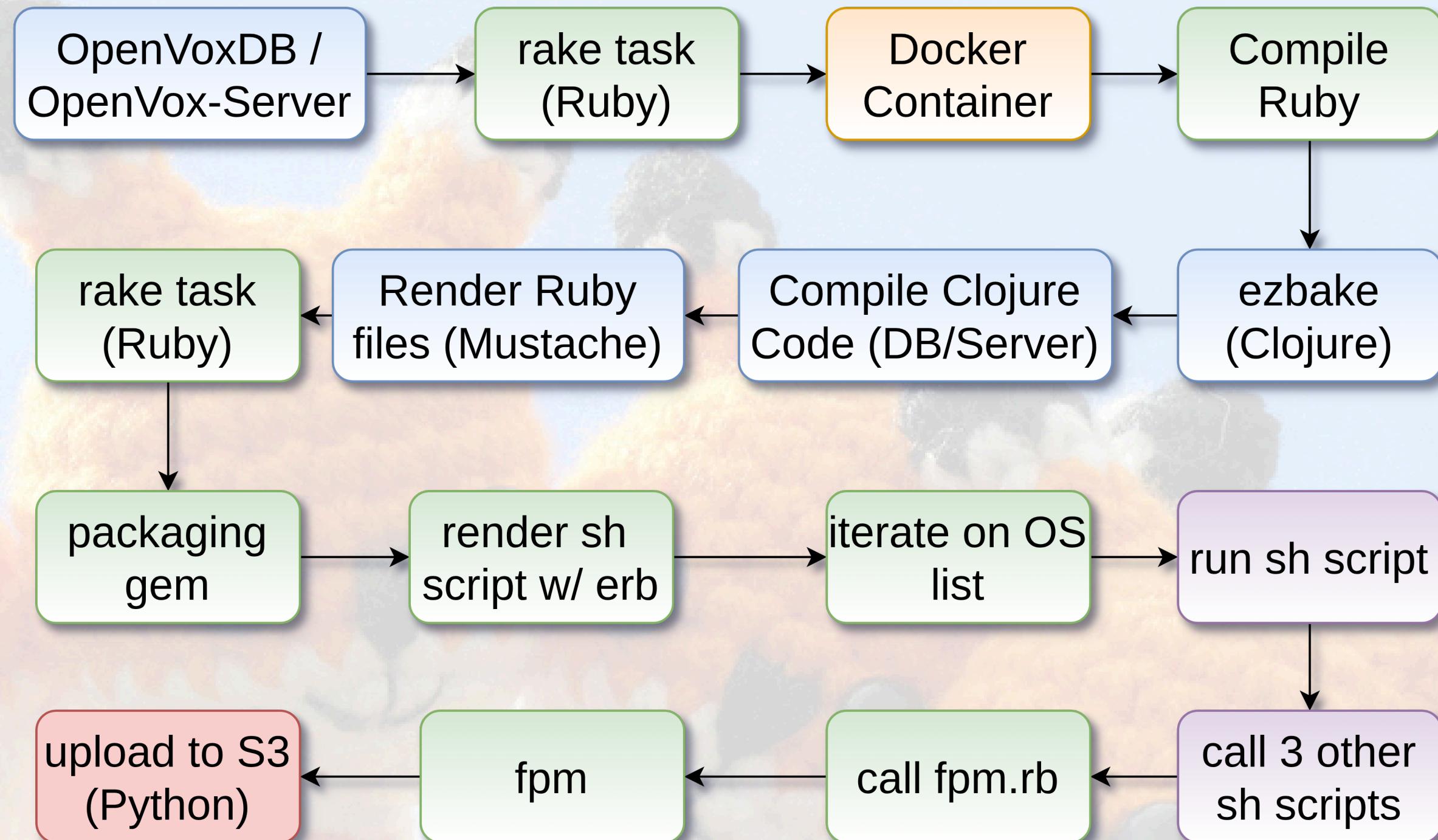
ezbake



OpenVoxProject

Where are we?

ezbake



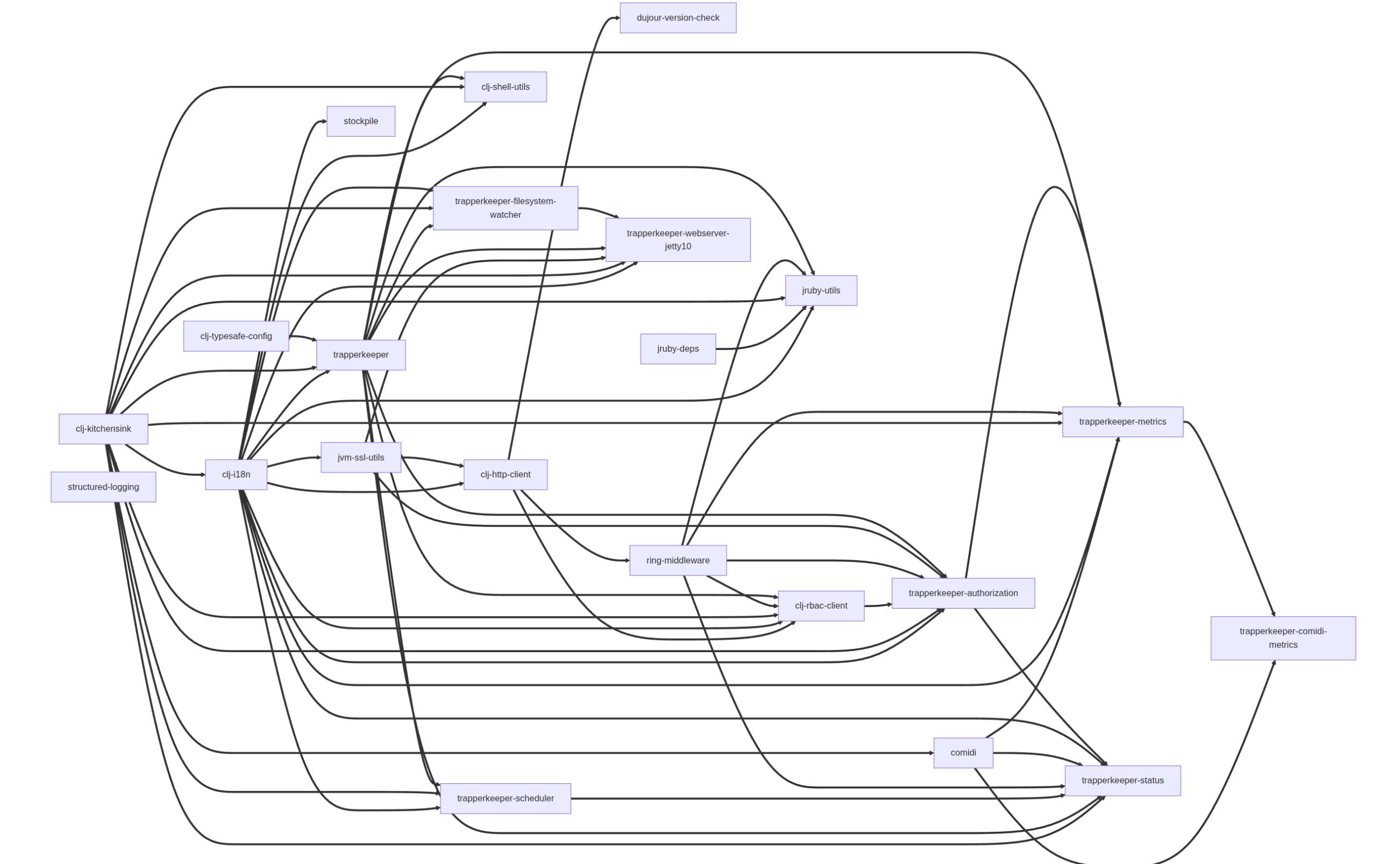
OpenVoxProject

Where are we?

ezbake

Dependencies

List of all Clojure libs, we had to fork from Perforce, and their relationships

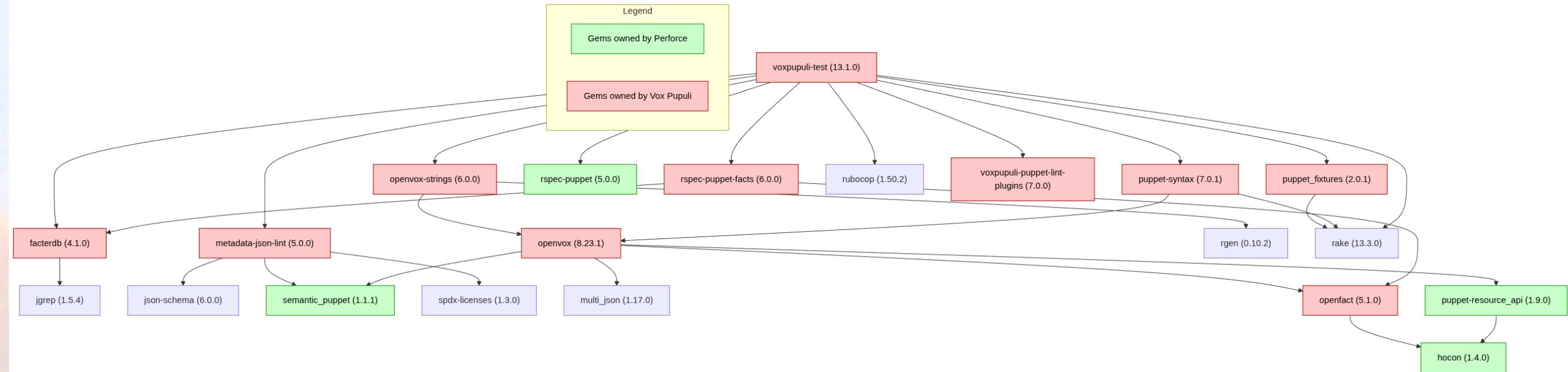


OpenVoxProject

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 OpenVox 7

- 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

Drop Puppet

Drop OpenVox 7

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

Drop Puppet

Drop OpenVox 7

Supported platforms



Community Update

For OpenVox-Server/DB/Agent & OpenBolt

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

Drop Puppet

Drop OpenVox 7

Supported platforms



Community Update

Drop Puppet

Drop OpenVox 7

Supported platforms

For OpenVox-Server/DB/Agent & OpenBolt

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



Community Update

Drop Puppet

Drop OpenVox 7

Supported platforms

For OpenVox-Server/DB/Agent & OpenBolt

- EL8, EL9, 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!



Community Update

Drop Puppet

Drop OpenVox 7

Supported platforms

For OpenVox-Server/DB/Agent & OpenBolt

- EL8, EL9, 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



Community Update

Drop Puppet

Drop OpenVox 7

Supported platforms

For OpenVox-Server/DB/Agent & OpenBolt

- EL8, EL9, 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!



Community Update

Drop Puppet

Drop OpenVox 7

Supported platforms

Release train!

Continuous Delivery Pipeline



(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 OpenVox 7

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

Drop Puppet

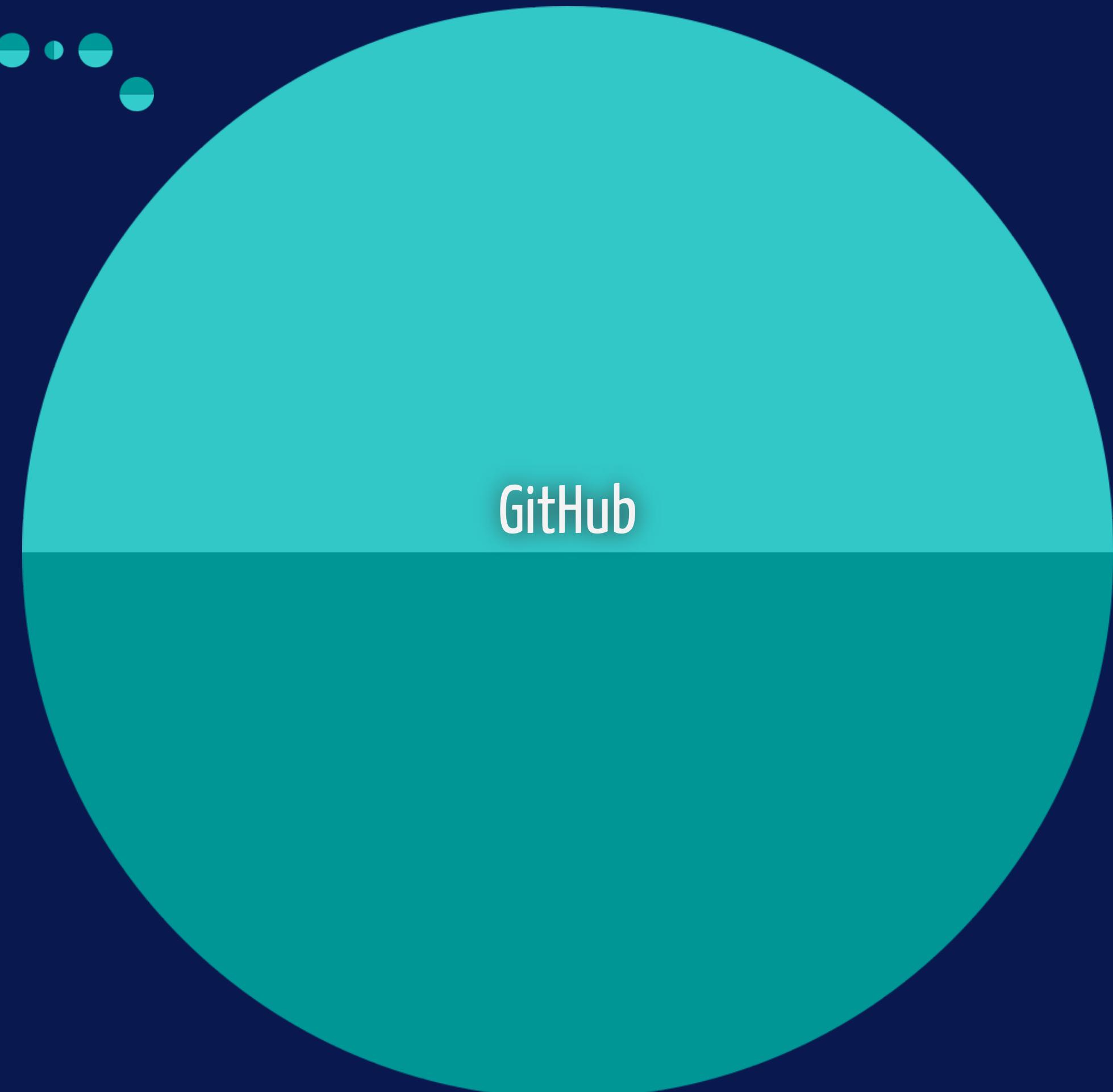
Drop OpenVox 7

Supported platforms

Release train!

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

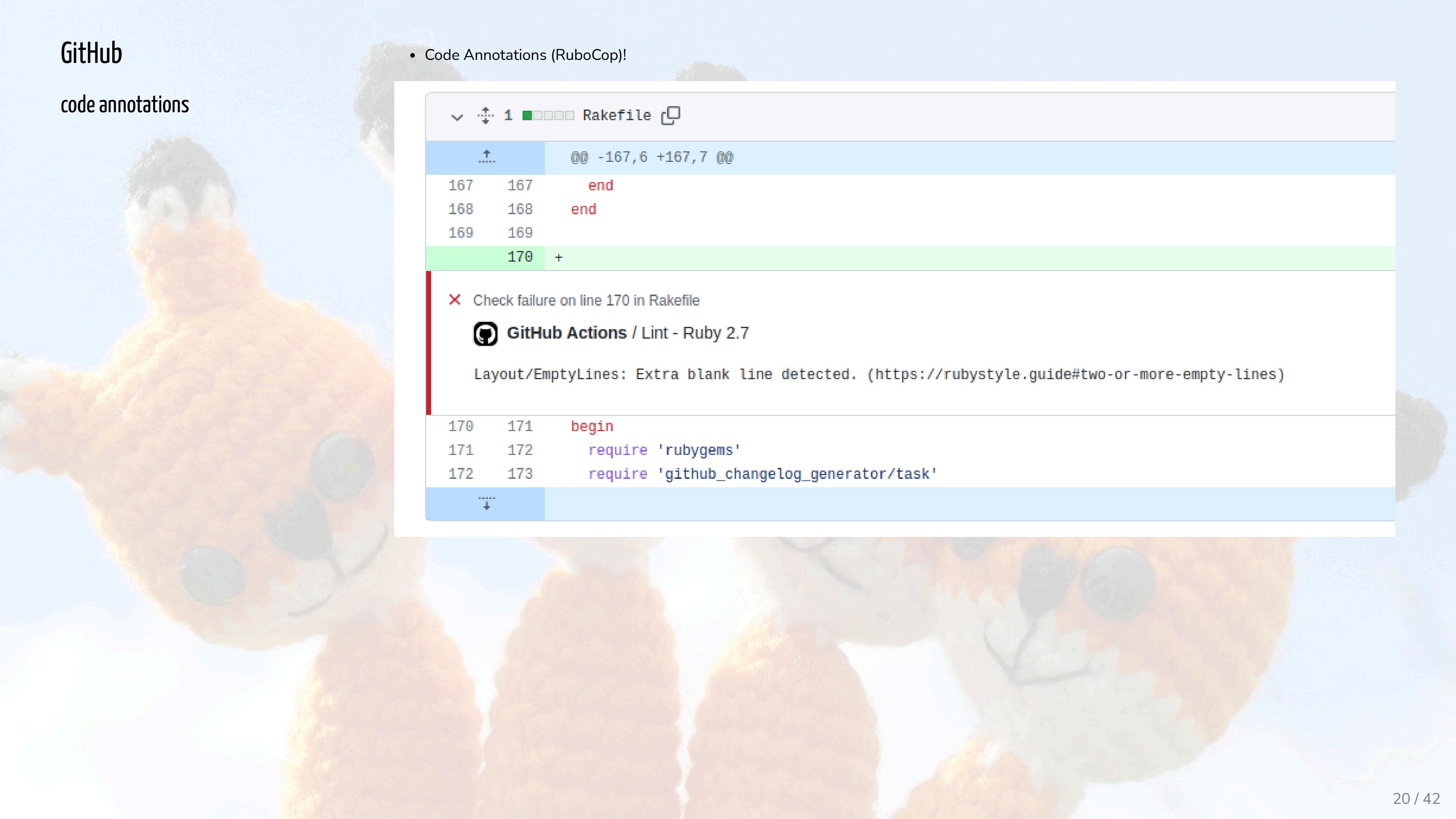




GitHub

code annotations

- Code Annotations (RuboCop)!



```
1 Rakefile
```

	..	00 -167,6 +167,7 00
167	167	end
168	168	end
169	169	
170	+ 	

✗ Check failure on line 170 in Rakefile

GitHub Actions / Lint - Ruby 2.7

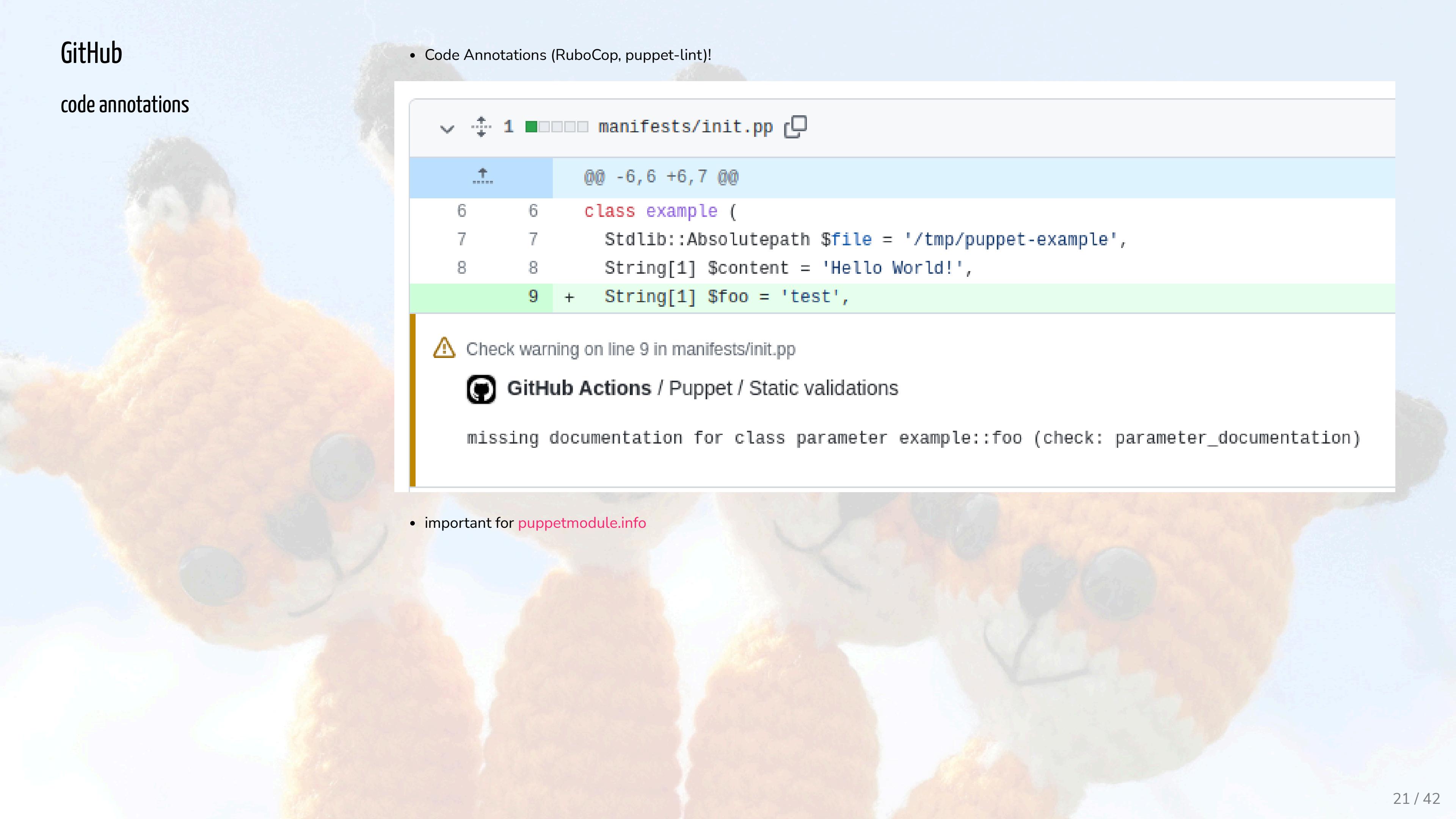
Layout/EmptyLines: Extra blank line detected. (<https://rubystyle.guide#two-or-more-empty-lines>)

```
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 +6,7 @@
  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

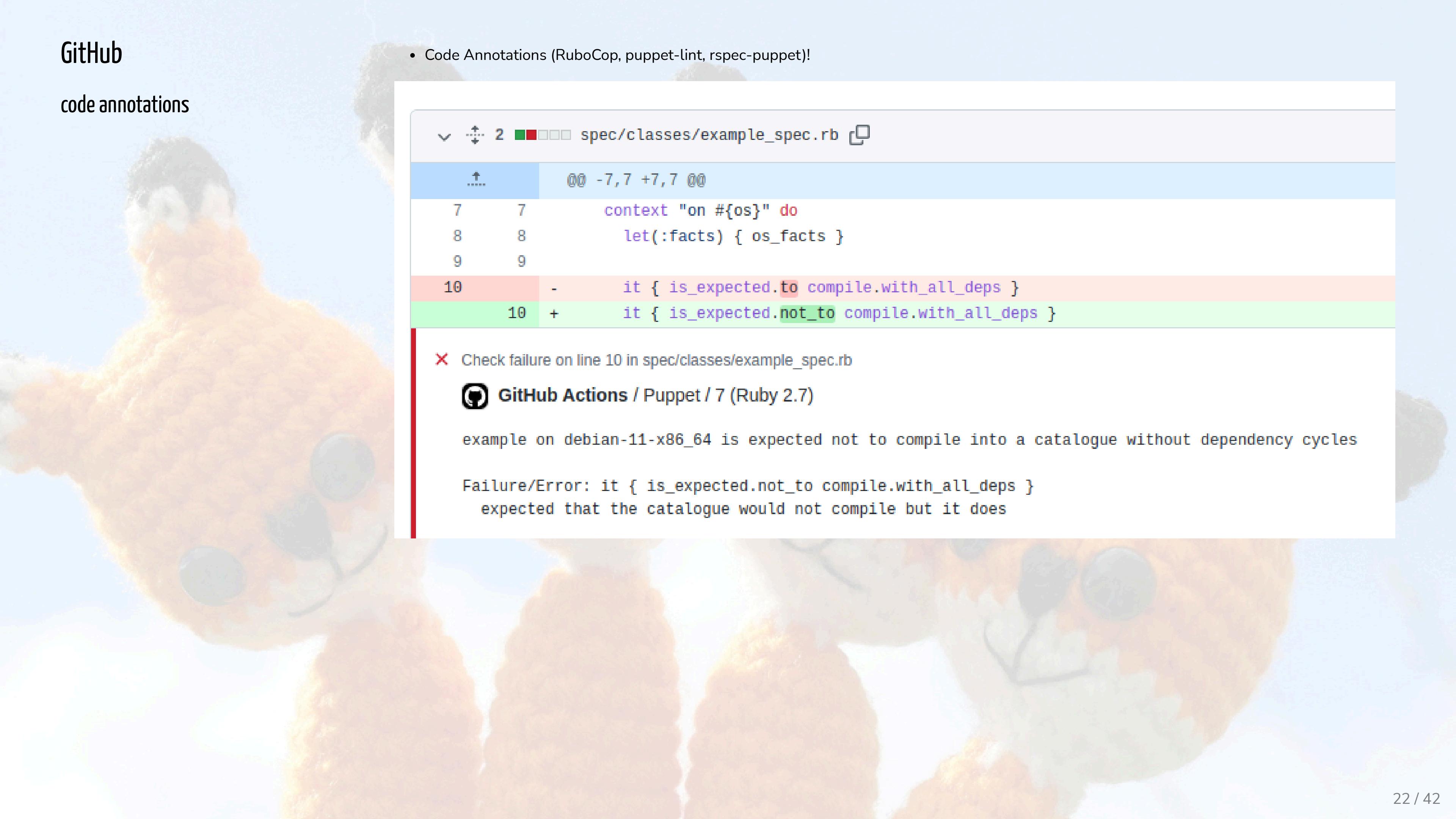
⌚ GitHub Actions / Puppet / Static validations

missing documentation for class parameter example::foo (check: parameter_documentation)

- important for [puppetmodule.info](#)

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

code annotations



```
✓ ✨ 2 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

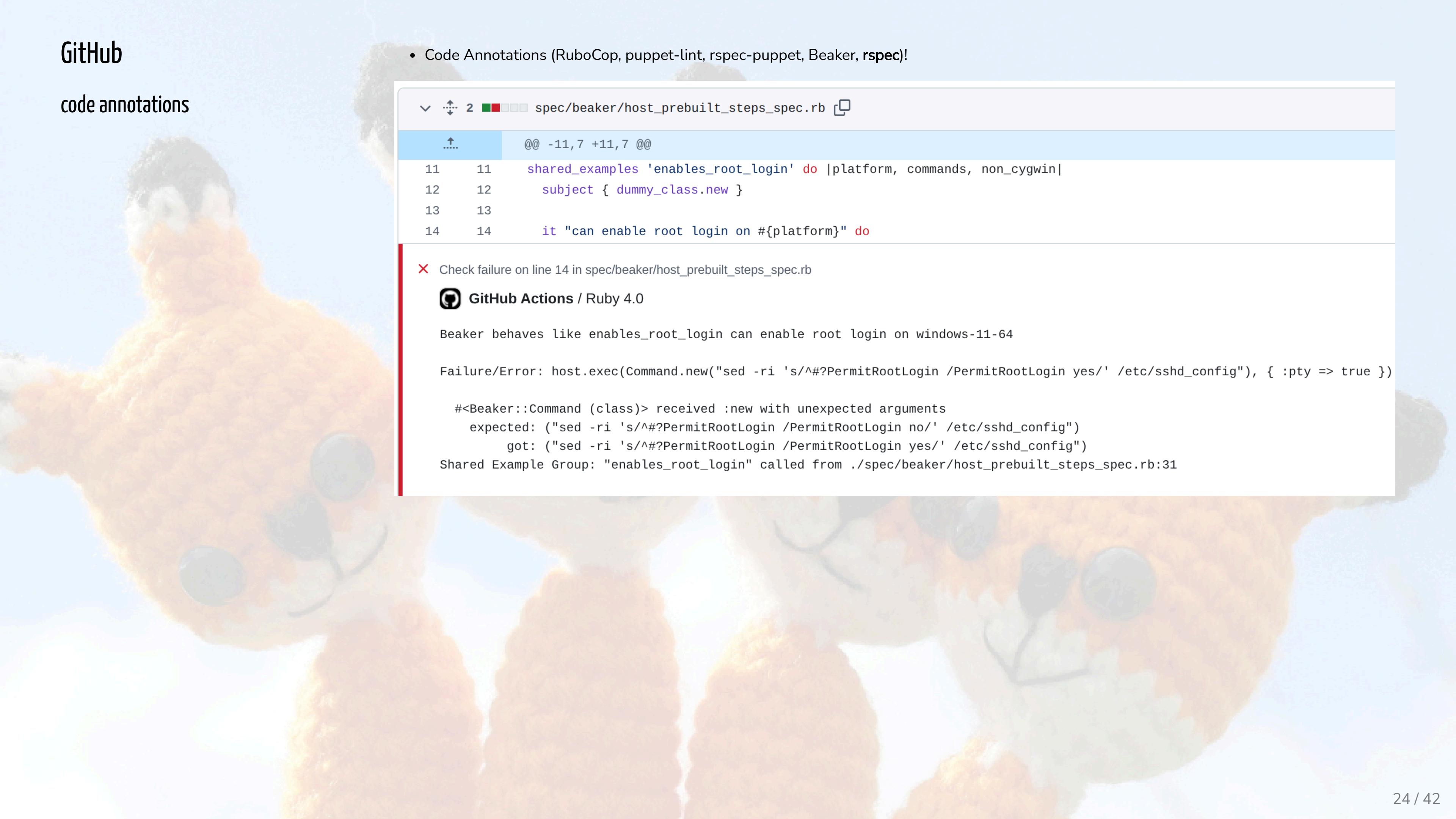
zabbix::server class default parameters Package "zabbix-server-pgsql" is expected to be installed

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

GitHub

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

code annotations



```
✓ ⏷ 2 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
```

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

- 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"
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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

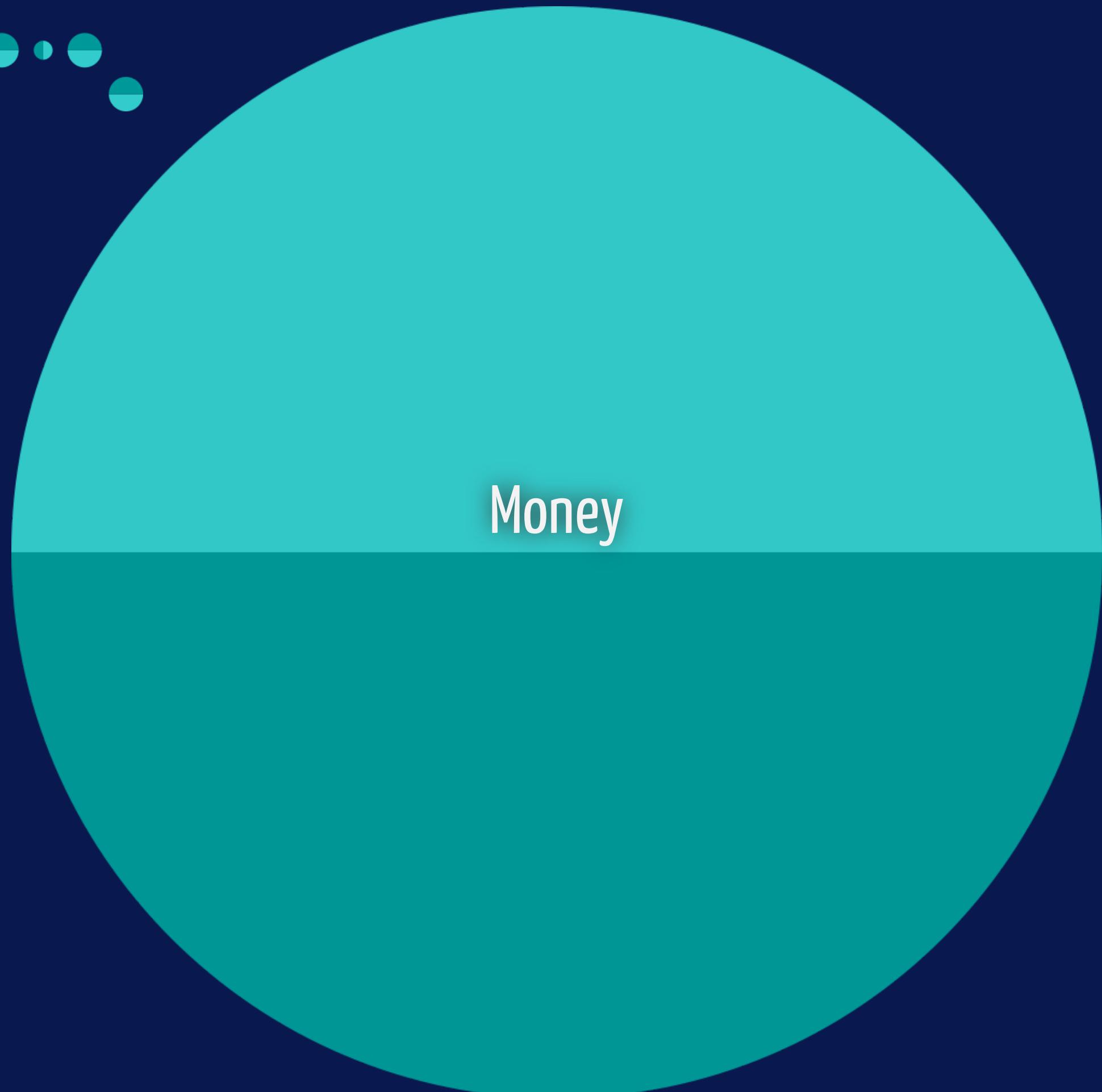
```
fail: puppetlabs.puppetdb.http.reports-test/query-report-with-malformed-json
expected: (= (str "Json parse error at line 1, column 5:\n\n" "[\"=\"]" " " ^\n\n" "Unexpected end-of-input:
actual: (not (= "Json parse error at line 1, column 5:\n\n[\"=\"]" " " ^\n\nUnexpected end-of-input: expected
```

GitHub

code annotations

CI costs





Money

Money

Income



Money

Income

Travel Budget



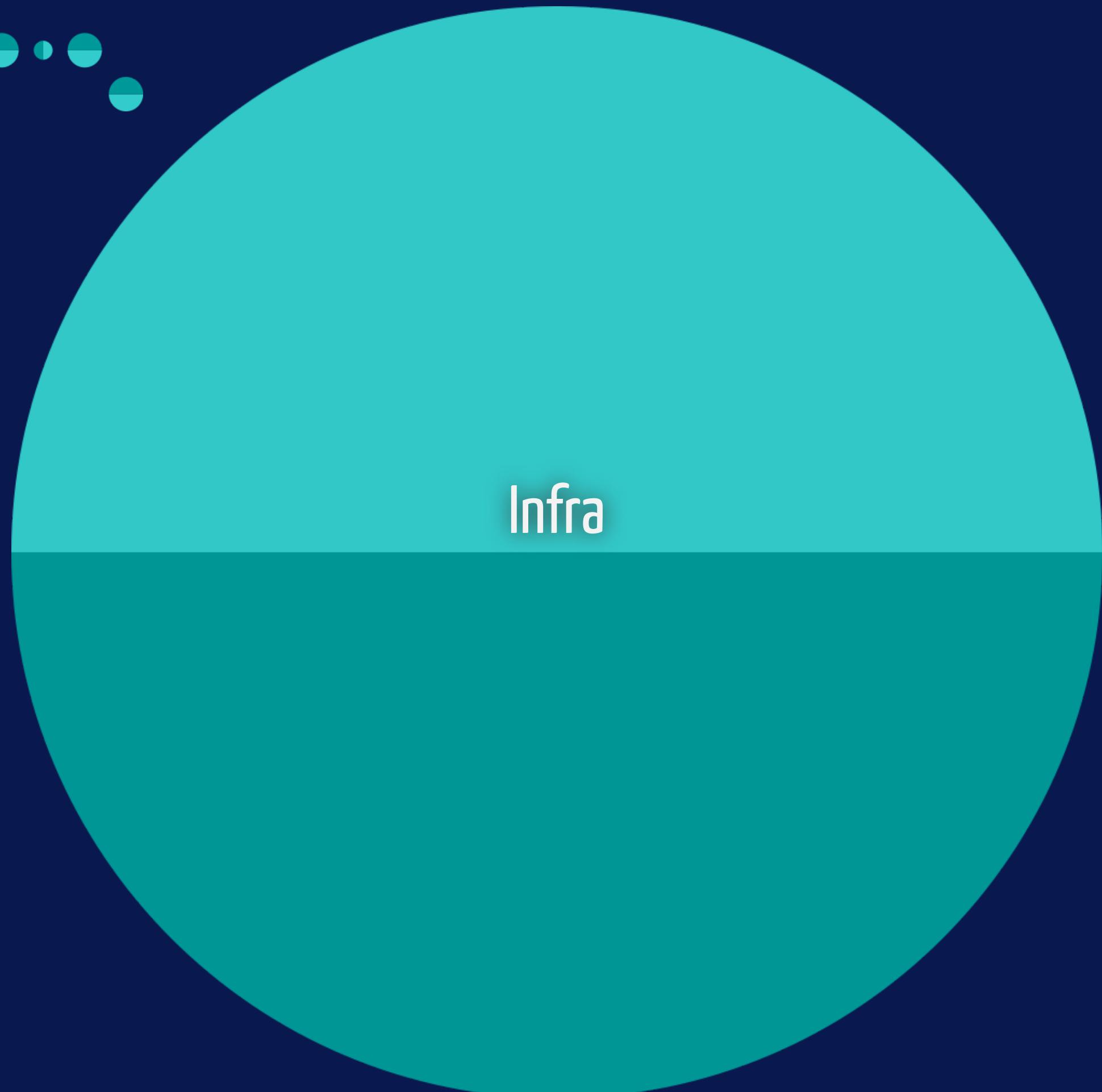
Money

Income

Travel Budget

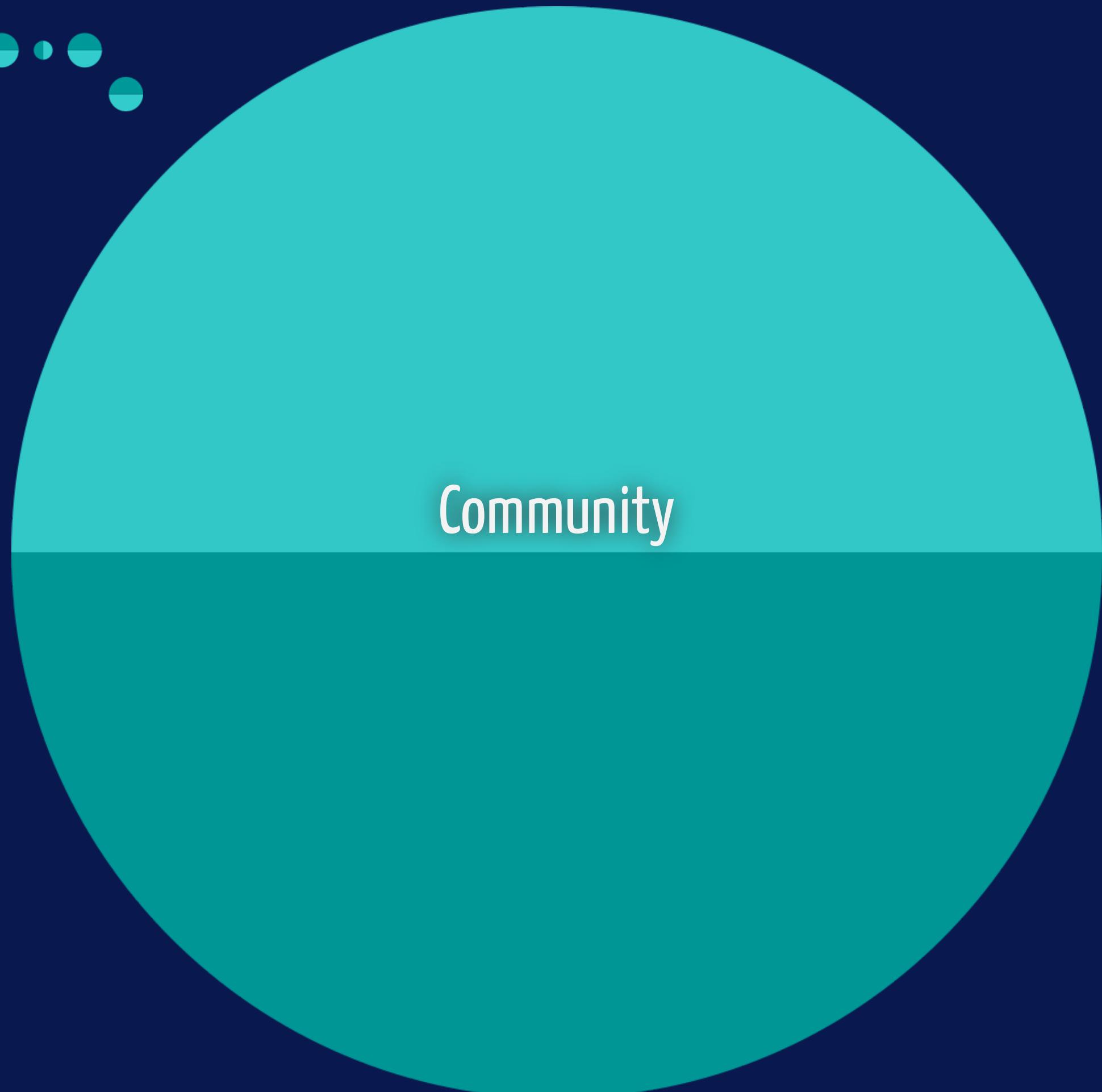
Paying Contributors





Infra

- 
- our best practice repo
 - our foreman -> connect to github for SSO
 - mirror setup
 - kubernetes



Community

we have logo (move to top?)



VoxConf

VoxConf

2025



- voxpupuli.org/voxconf



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





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

2025

2026

2027

- VoxConf + Foreman Birthday Party
- Berlin



2025

- VoxConf + Foreman Birthday Party
- Berlin
- Sponsors: Atix in 2026 -> Betadots in 207 -> Netways in 2028 -> repeat

2026

2027



Conclusion

- You can do fully automated PE upgrades, without SSH access
- checkout github.com/bastelfreak/testcontrolrepo
- Let me know if you are interested in a demo!
- 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!

