

Continuous Integration and Automated Code Review in Open Source Projects

Adrián Tóth

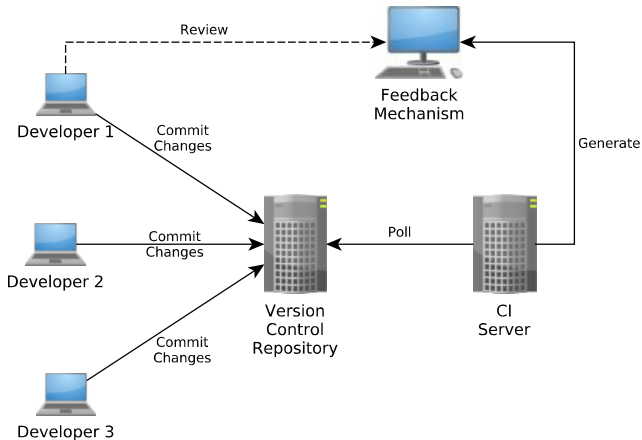
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Continuous Integration & Automated Code Review

Red Hat, Inc.  & ManagelQ 

ManagelQ Bot



- Ruby 2.3.6



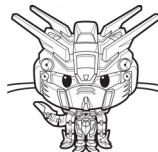
- Sidekiq

- background processing for Ruby
- nonrecurring & recurring workers



- Octokit

- Ruby toolkit for the GitHub API



- Redis & PostgreSQL



- *Pronto*¹ integration
- MiqBot's own *Pronto*¹ Formatter
- *Gitter*² integration (yell if master is broken)
- *Github Status API*³ integration
- Remove unnecessary unmergeable comments
- Commands
 - pull request review request from specified user(s)
 - remove pull request review request from specified user(s)
 - remove assigned user(s)
- Automated review request of a new pull request

¹github.com/prontolabs/pronto

²github.com/kristenmills/ruby-gitter

³developer.github.com/v3/repos/statuses



europbot commented 7 minutes ago

Member + 🗨️ ⋮

Checked commits [europ/testrepo@ 1fb39bb~...2b7a95e](#) with ruby 2.3.6, rubocop 0.52.1, haml-lint 0.20.0, and yamllint 1.10.0

4 files checked, 7 offenses detected

header.yaml

- ⚠️ - Line 1, Col 1 - document-start - missing document start "---"

space.haml

- ⚠️ - Line 1 - Line contains trailing whitespace

space.rb

- 🔴 - Line 1, Col 14 - Layout/TrailingWhitespace - Trailing whitespace detected.
- 🔴 - Line 3, Col 1 - Layout/EmptyLines - Extra blank line detected.
- 🔴 - Line 4, Col 14 - Layout/TrailingWhitespace - Trailing whitespace detected.
- 🔴 - Line 4, Col 15 - Layout/TrailingBlankLines - Final newline missing.

x/x/x/y/asd.rb

- 🔴 - Line 1, Col 13 - Layout/TrailingWhitespace - Trailing whitespace detected.



europbot commented 28 seconds ago

Member + 🗨️ ✎️ ⚙️ ✕

Commits [europ/testrepo@ 1fb39bb~...cbf7b4c](#) checked with ruby 2.3.6 and:

| Pronto Runners | Version | Linters | Version |
|-----------------|---------|-----------|---------|
| pronto-rubocop | 0.9.0 | rubocop | 0.52.1 |
| pronto-haml | 0.9.0 | haml_lint | 0.27.0 |
| pronto-yamllint | 0.1.0 | yamllint | 1.10.0 |

7 offenses detected in 4 files.

space.haml

- ⚠️ - Line 1 - Haml - Line contains trailing whitespace

space.rb

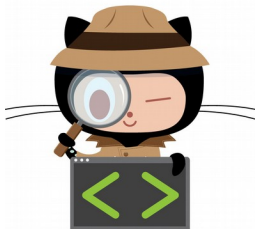
- ⚠️ - Line 1 - Rubocop - Layout/TrailingWhitespace: Trailing whitespace detected.
- ⚠️ - Line 3 - Rubocop - Layout/EmptyLines: Extra blank line detected.
- ⚠️ - Line 4 - Rubocop - Layout/TrailingWhitespace: Trailing whitespace detected.
- ⚠️ - Line 4 - Rubocop - Layout/TrailingBlankLines: Final newline missing.

x/x/x/y/asd.rb

- ⚠️ - Line 1 - Rubocop - Layout/TrailingWhitespace: Trailing whitespace detected.

header.yaml

- ⚠️ - Line 1 - YAMLLintRunner - 1:1: [warning] missing document start "---" (document-start)



```
travis_monitor:
  gitter_token: "*****"
  branches:
    - repo: "owner/name"
      branch: "name"
      gitter_room: "owner/name"
    - repo: "owner/name"
      branch: "name"
      gitter_room: "owner/name"
    - repo: "owner/name"
      branch: "name"
      gitter_room: "owner/name"
```



Adrián Tóth BOT @europbot
 SOS ⚠️ "master" in "xtest123/testrepo" is broken !! 🌟



Adrián Tóth BOT @europbot
 ✅ Broken branch has been fixed 💚

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| <div>✓ gaprindashvili</div> <div>🏠 358 builds</div> | <div># 67643 passed</div> <div>📅 a day ago</div> | <div>🔗 8d120c0 ↗</div> <div>🔋 GitHub</div> | ✓ | ✓ | ✓ | ✓ | ✗ |
| <div>✓ fine</div> <div>🏠 586 builds</div> | <div># 67549 passed</div> <div>📅 6 days ago</div> | <div>🔗 c2dfbe1 ↗</div> <div>🔋 Satoe Imaishi</div> | ✓ | ✓ | ✓ | ✓ | ✓ |
| <div>✓ euwe</div> <div>🏠 1558 builds</div> | <div># 66773 passed</div> <div>📅 2 months ago</div> | <div>🔗 425a6d7 ↗</div> <div>🔋 Satoe Imaishi</div> | ✓ | ✓ | ✗ | ✗ | ✗ |
| <div>✗ darga</div> <div>🏠 1209 builds</div> | <div># 61695 failed</div> <div>📅 9 months ago</div> | <div>🔗 2390f99 ↗</div> <div>🔋 GitHub</div> | ✗ | ✗ | ✗ | ✓ | ✓ |

ADD testfile ✓ 0f61a85

europobot commented 25 minutes ago Member + 👤 ...

Checked commits [europ/testrepo@ 1fb39bb~...0f61a85](#) with ruby 2.3.6, rubocop 0.52.1, haml-lint 0.20.0, and yamllint 1.10.0
2 files checked, 0 offenses detected
Everything looks fine. 🍏

Add more commits by pushing to the **good** branch on [europ/testrepo](#).

✓ All checks have passed
1 successful check

✓ europobot — Everything looks fine.

✓ This branch has no conflicts with the base branch
Merging can be performed automatically.

Merge pull request ▾ You can also [open this in GitHub Desktop](#) or via

ADD testfile ✗ 1070e9d

europobot commented 27 minutes ago Member + 👤 ...

Checked commits [europ/testrepo@ 1fb39bb~...1070e9d](#) with ruby 2.3.6, rubocop 0.52.1, haml-lint 0.20.0, and yamllint 1.10.0
13 files checked, 3 offenses detected

**

☐ - Linter/Haml - missing config files

☐ - Linter/Rubocop - missing config files

☐ - Linter/Yaml - missing config files

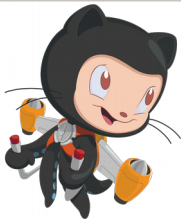
Add more commits by pushing to the **bad** branch on [europ/testrepo](#).

✗ All checks have failed
1 errored check Hide all checks

✗ europobot — Something went wrong. Details

✓ This branch has no conflicts with the base branch
Merging can be performed automatically.

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



Pull Request Name #16

 Open europ wants to merge 1 commit into `xtest123:master` from `europ:abc` Conversation 0  Commits 1  Checks 0  Files changed 0

+0 -0



europ commented 4 minutes ago

Member



Description...

  commit

145b814

Add more commits by pushing to the `abc` branch on `europ/testrepo`. This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

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

Write

Preview

AA ▾ B i



Leave a comment

Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard. Styling with Markdown is supported

Close pull request

Comment

Reviewers



No reviews

Assignees



No one—assign yourself

Labels



None yet

Projects



None yet

Milestone



No milestone

Notifications

 Unsubscribe

You're receiving notifications because you authored the thread.

1 participant



Thank You For Your Attention !

Podle zadání jste měl vyhodnotit zkušenosti vývojářů s vylepšenou verzí a diskutovat o dalším vývoji s vedoucími vývojáři. Toto je pokryto v závěru souhrnným vyjádřením pana J. Freye, není úplně jasný další vývoj v rámci Red Hatu. Upřesněte prosím.