

Continuous Integration and Automated Code Review in Open Source Projects

Adrián Tóth

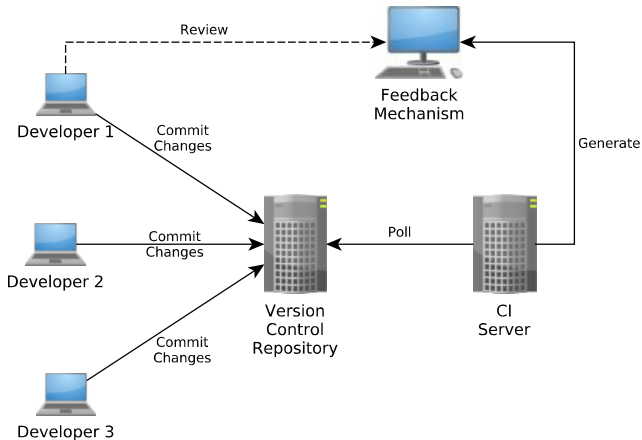
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Continuous Integration & Automated Code Review

Red Hat, Inc.  & ManagelQ 

ManagelQ Bot



- Ruby 2.3.6



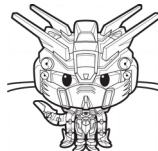
- Sidekiq

- 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

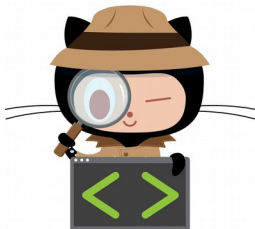
- ⚠️ - Line 1 - Line contains trailing whitespace

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



"master" in "xtest123/testrepo" is broken !! 🌟





Adrián Tóth BOT @europbot



Broken branch has been fixed ❤️


gaprindashvili 358 builds	# 67643 passed a day ago	8d120c0 ↗ GitHub					
fine 586 builds	# 67549 passed 6 days ago	c2dfbe1 ↗ Satoe Imaishi					
euwe 1558 builds	# 66773 passed 2 months ago	425a6d7 ↗ Satoe Imaishi					
darga 1209 builds	# 61695 failed 9 months ago	2390f99 ↗ GitHub					

 ADD testfile ✓ 0f61a85


 europbot 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](#).

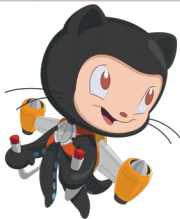



✓ **All checks have passed**
1 successful check


✓  **europbot** — 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 view the [diff](#)





 ADD testfile ✗ 1070e9d


 europbot 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** Hide all checks
1 errored check

✗  **europbot** — 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 the [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



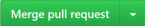
Description...

  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 requestYou 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.