



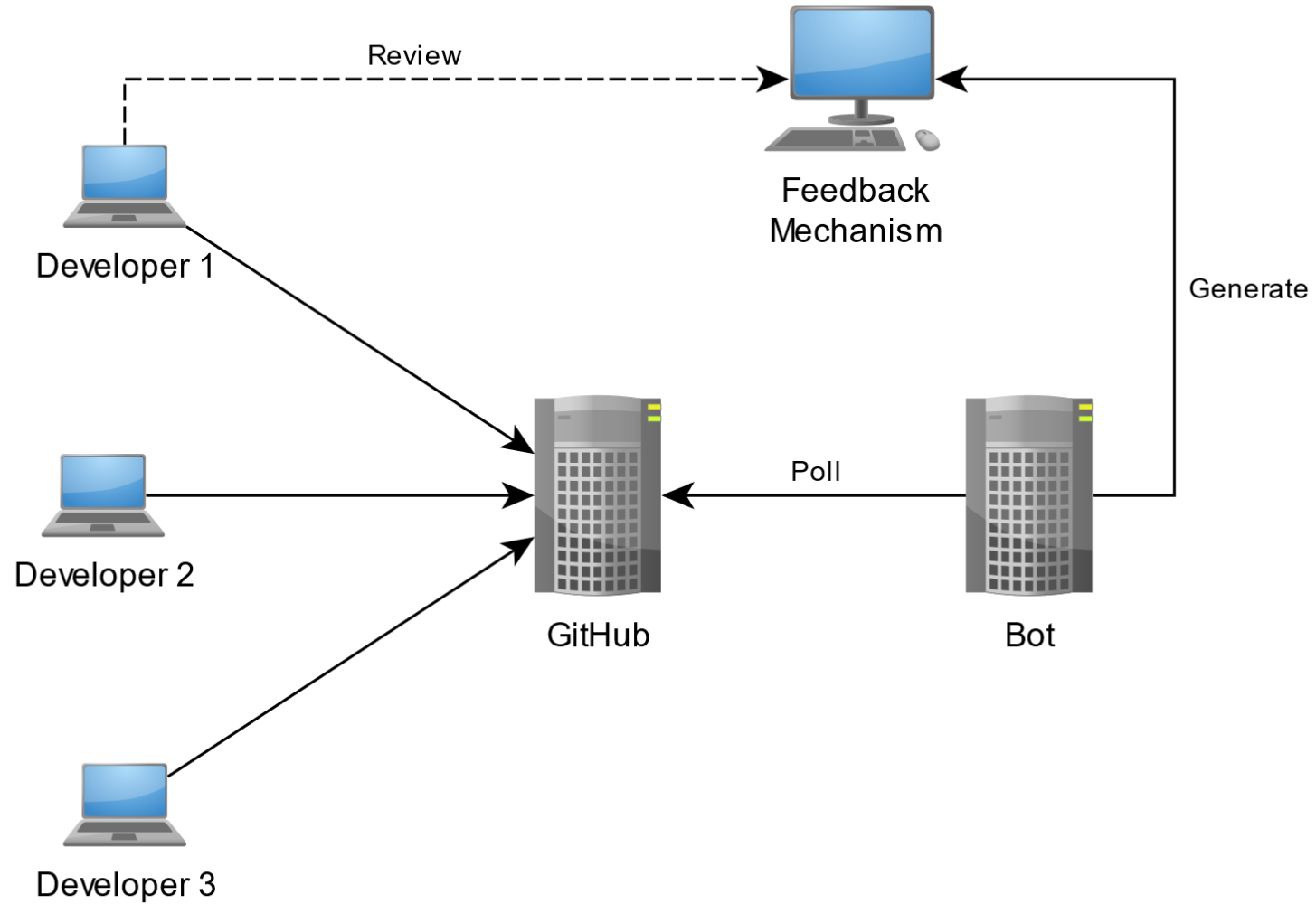
# ManageIQ Bot

Adrián Tóth

# Introduction

- How does the bot work?
- What are the building elements of the bot?
- Which enhancements were proposed and added?

# Workflow

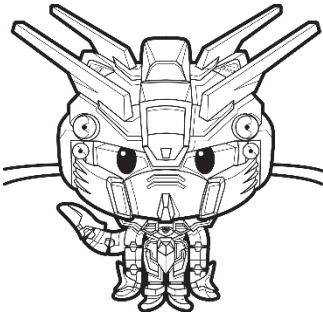


# Fundamentals

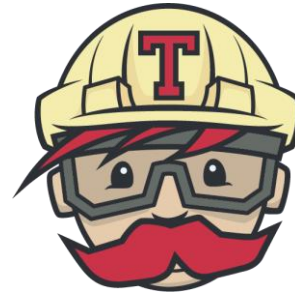
- Sidekiq



- Octokit



- Travis CI

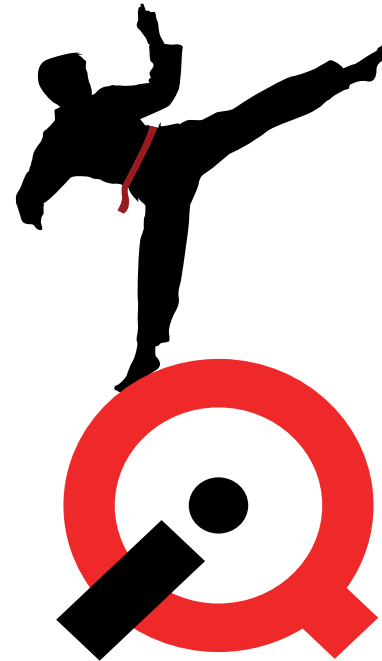


- Linters



# MiqBot & Sidekiq

- Workers
  - nonrecurring
  - recurring
- Types
  - miq\_bot
  - miq\_bot\_glacial
- A worker launches a new worker



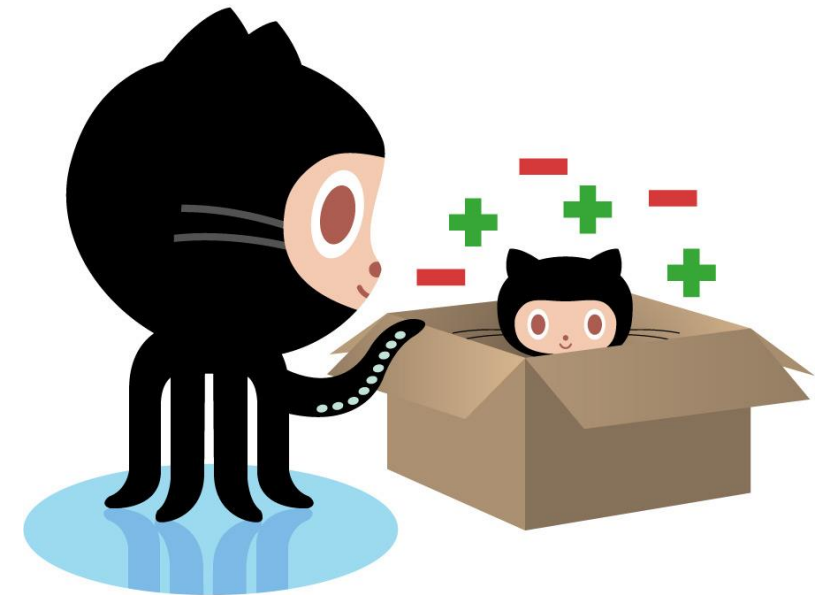
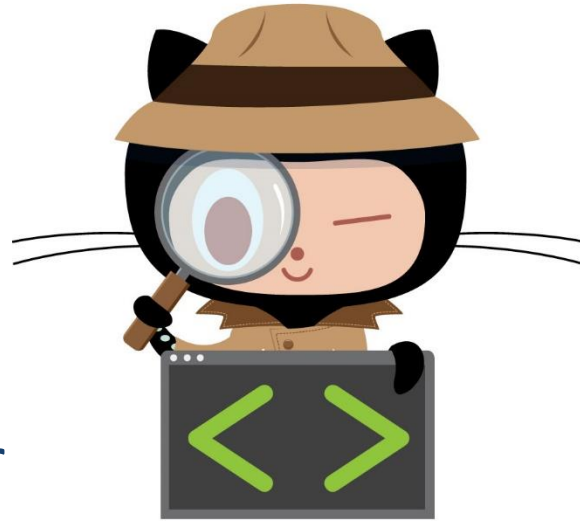
```
00:29:52 sidekiq.1 2018-05-09T06:29:52.566Z 10606 TID-gs5h3jgk INFO: Starting processing, hit Ctrl-C to stop
00:30:00 sidekiq.1 2018-05-09T06:30:00.698Z 10608 TID-go2qms2u0 INFO: [Sidetia] Enqueue: BatchJobMonitor (at: 1525847460.0) (last: 1525847400.0)
00:30:00 sidekiq_glacial.1 2018-05-09T06:30:00.710Z 10608 TID-own8v8s88 INFO: [Sidetia] Enqueue: CommitMonitor (at: 1525847700.0) (last: 1525847400.0)
00:30:00 sidekiq_glacial.1 2018-05-09T06:30:00.723Z 10608 TID-go2qms2u0 INFO: [Sidetia] Enqueue: GithubNotificationMonitorWorker (at: 1525847460.0) (last: 1525847400.0)
00:30:00 sidekiq_glacial.1 2018-05-09T06:30:00.737Z 10608 TID-own8v8s88 INFO: [Sidetia] Enqueue: PullRequestMonitor (at: 1525847700.0) (last: 1525847400.0)
00:30:00 sidekiq_glacial.1 2018-05-09T06:30:00.769Z 10608 TID-go2qms2u0 INFO: [Sidetia] Enqueue: TravisBuildKiller (at: 1525847700.0) (last: 1525847400.0)
00:30:05 sidekiq.1 2018-05-09T06:30:05.074Z 10606 TID-gs5i8fweo BatchJobMonitor JID-508304f2bee489bd116912e2 INFO: start
00:30:05 sidekiq.1 2018-05-09T06:30:05.092Z 10606 TID-gs5i8fw7g GithubNotificationMonitorWorker JID-ae7d42537c6be4cbdf9af7d3 INFO: start
00:30:05 sidekiq.1 2018-05-09T06:30:05.099Z 10606 TID-gs5i8fvzo BatchJobMonitor JID-1e048e8c6678a942d7b6f8a7 INFO: start
00:30:05 sidekiq.1 The PGconn, PGresult, and PGError constants are deprecated, and will be
00:30:05 sidekiq.1 removed as of version 1.0.
00:30:05 sidekiq.1
00:30:05 sidekiq.1 You should use PG::Connection, PG::Result, and PG::Error instead, respectively.
00:30:05 sidekiq.1
00:30:05 sidekiq.1 Called from /root/.rbenv/versions/2.3.6/lib/ruby/gems/2.3.0/gems/activesupport-4.2.10/lib/active_support/dependencies.rb:240:in `load_dependency'
00:30:05 sidekiq_glacial.1 2018-05-09T06:30:05.115Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: start
00:30:05 sidekiq_glacial.1 The PGconn, PGresult, and PGError constants are deprecated, and will be
00:30:05 sidekiq_glacial.1 removed as of version 1.0.
00:30:05 sidekiq_glacial.1
00:30:05 sidekiq_glacial.1 You should use PG::Connection, PG::Result, and PG::Error instead, respectively.
00:30:05 sidekiq.1
00:30:05 sidekiq.1 Called from /root/.rbenv/versions/2.3.6/lib/ruby/gems/2.3.0/gems/activesupport-4.2.10/lib/active_support/dependencies.rb:240:in `load_dependency'
00:30:05 sidekiq.1 2018-05-09T06:30:05.144Z 10606 TID-gs5i8fvsq GithubNotificationMonitorWorker JID-25da21d3a5316220ddf6d551 INFO: start
00:30:05 sidekiq_glacial.1 2018-05-09T06:30:05.151Z 10608 TID-go2rbnjiw PullRequestMonitor JID-07a8c4ac5fc455fe38a141bf INFO: start
00:30:05 sidekiq.1 2018-05-09T06:30:05.159Z 10606 TID-gs5i8fxc0 TravisBuildKiller JID-06763d9aa38f91c2fa334fbb INFO: start
00:30:05 sidekiq.1 2018-05-09T06:30:05.528Z 10606 TID-gs5i8fweo BatchJobMonitor JID-508304f2bee489bd116912e2 INFO: done: 0.454 sec
00:30:05 sidekiq.1 2018-05-09T06:30:05.529Z 10606 TID-gs5i8fvzo BatchJobMonitor JID-1e048e8c6678a942d7b6f8a7 INFO: done: 0.43 sec
00:30:05 sidekiq.1 2018-05-09T06:30:05.531Z 10606 TID-gs5i8fxc0 TravisBuildKiller JID-06763d9aa38f91c2fa334fbb INFO: done: 0.372 sec
00:30:06 sidekiq.1 I, [2018-05-09T08:30:06.318386 #10606] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/notifications?all=false&per_page=100...api calls remaining 4999
00:30:06 sidekiq.1 I, [2018-05-09T08:30:06.478771 #10606] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/notifications?all=false&per_page=100...api calls remaining 4998
00:30:07 sidekiq.1 I, [2018-05-09T08:30:07.027382 #10606] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/issues/7...api calls remaining 4997
00:30:07 sidekiq.1 I, [2018-05-09T08:30:07.078692 #10606] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/issues/7...api calls remaining 4996
00:30:07 sidekiq.1 I, [2018-05-09T08:30:07.757946 #10606] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/issues/7/comments?per_page=100...api calls remaining 4994
00:30:07 sidekiq.1 I, [2018-05-09T08:30:07.885266 #10606] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/issues/7/comments?per_page=100...api calls remaining 4995
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.160Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Processing xtest123/testrepo/master
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.255Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Processing xtest123/testrepo/prs/4/head
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.280Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Processing xtest123/testrepo/prs/7/head
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.285Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Detected new commits ["61d24360a2bddb3d43b9af717d79d0457d0fb82d"]
00:30:08 sidekiq.1 2018-05-09T06:30:08.293Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Queueing BugzillaPrChecker for commit range 61d24360a2bddb3d43b9af717d79d0457d0fb82d on branch prs/7/head
00:30:08 sidekiq.1 2018-05-09T06:30:08.294Z 10606 TID-gs5i8fxc0 CommitMonitorHandlers::CommitRange::BugzillaPrChecker JID-82eba1b9616614ed5a205716 INFO: start
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.306Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Queueing PathBasedLabeler for commit range 61d24360a2bddb3d43b9af717d79d0457d0fb82d on branch prs/7/head
00:30:08 sidekiq.1 2018-05-09T06:30:08.308Z 10606 TID-gs5i8fvlv CommitMonitorHandlers::CommitRange::PathBasedLabeler JID-3a214eaa46f51032dd939181 INFO: start
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.329Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Queueing PivotalPrChecker for commit range 61d24360a2bddb3d43b9af717d79d0457d0fb82d on branch prs/7/head
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.330Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Queueing RubocopChecker for commit range 61d24360a2bddb3d43b9af717d79d0457d0fb82d on branch prs/7/head
00:30:08 sidekiq.1 2018-05-09T06:30:08.331Z 10608 TID-go2rbnjk8 CommitMonitorHandlers::CommitRange::RubocopChecker JID-33965c8aed53029133fd0615 INFO: start
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.334Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: Queueing CommitMonitorHandlers::CommitRange::GithubPrCommenter for branch prs/7/head
00:30:08 sidekiq.1 2018-05-09T06:30:08.366Z 10606 TID-gs5i8fwks CommitMonitorHandlers::CommitRange::PivotalPrChecker JID-fe20f797c2cd8d80f9541de9 INFO: start
00:30:08 sidekiq.1 2018-05-09T06:30:08.403Z 10606 TID-gs5i8fwks CommitMonitorHandlers::CommitRange::BugzillaPrChecker JID-82eba1b9616614ed5a205716 INFO: done: 0.037 sec
00:30:08 sidekiq.1 2018-05-09T06:30:08.407Z 10606 TID-gs5i8fxc0 CommitMonitorHandlers::CommitRange::BugzillaPrChecker JID-82eba1b9616614ed5a205716 INFO: done: 0.113 sec
00:30:08 sidekiq.1 2018-05-09T06:30:08.414Z 10606 TID-gs5i8fvlv CommitMonitorHandlers::CommitRange::PathBasedLabeler JID-3a214eaa46f51032dd939181 INFO: done: 0.106 sec
00:30:08 sidekiq.1 I, [2018-05-09T08:30:08.526307 #10606] INFO -- : Executed PATCH https://api.github.com/notifications/threads/334924169...api calls remaining 4993
00:30:08 sidekiq.1 2018-05-09T06:30:08.528Z 10606 TID-gs5i8fw7g GithubNotificationMonitorWorker JID-ae7d42537c6be4cbdf9af7d3 INFO: done: 3.436 sec
00:30:08 sidekiq.1 I, [2018-05-09T08:30:08.709028 #10606] INFO -- : Executed PATCH https://api.github.com/notifications/threads/334924169...api calls remaining 4992
00:30:08 sidekiq.1 2018-05-09T06:30:08.711Z 10606 TID-gs5i8fvsq GithubNotificationMonitorWorker JID-25da21d3a5316220ddf6d551 INFO: done: 3.566 sec
00:30:08 sidekiq.1 2018-05-09T06:30:08.729Z 10606 TID-gs5i8fws0 CommitMonitorHandlers::CommitRange::GithubPrCommenter::DiffContentChecker JID-13cac61e95de58ec1a5e8443 INFO: start
00:30:08 sidekiq_glacial.1 2018-05-09T06:30:08.733Z 10608 TID-go2rbdndk CommitMonitorHandlers::CommitRange::GithubPrCommenter::DiffFilenameChecker JID-185a53597d06d231976a2163 INFO: start
00:30:09 sidekiq.1 2018-05-09T06:30:09.048Z 10608 TID-go2rbnje4 CommitMonitor JID-2a897bca8a42c9635294684b INFO: done: 3.933 sec
00:30:09 sidekiq.1 2018-05-09T06:30:09.095Z 10606 TID-gs5i8fws0 CommitMonitorHandlers::CommitRange::GithubPrCommenter::DiffContentChecker JID-13cac61e95de58ec1a5e8443 INFO: done: 0.366 sec
00:30:09 sidekiq_glacial.1 I, [2018-05-09T08:30:09.271011 #10608] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/pulls?per_page=100...api calls remaining 4991
00:30:10 sidekiq_glacial.1 2018-05-09T06:30:10.032Z 10608 TID-go2rbcncvo CommitMonitorHandlers::CommitRange::GithubPrCommenter JID-ddb014ad8c241d8fb5bfce1a INFO: start
00:30:10 sidekiq_glacial.1 2018-05-09T06:30:10.034Z 10608 TID-go2rbdndk CommitMonitorHandlers::CommitRange::GithubPrCommenter::DiffFilenameChecker JID-185a53597d06d231976a2163 INFO: done: 1.302 sec
00:30:10 sidekiq_glacial.1 2018-05-09T06:30:10.053Z 10608 TID-go2rbcncvo CommitMonitorHandlers::CommitRange::GithubPrCommenter JID-ddb014ad8c241d8fb5bfce1a INFO: Adding batch comment to PR 7.
00:30:10 sidekiq.1 2018-05-09T06:30:10.141Z 10608 TID-go2rbnjiw PullRequestMonitor JID-07a8c4ac5fc455fe38a141bf INFO: done: 4.99 sec
00:30:10 sidekiq_glacial.1 I, [2018-05-09T08:30:10.710065 #10608] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/issues/7/comments?per_page=100...api calls remaining 4990
00:30:10 sidekiq.1 2018-05-09T06:30:10.744Z 10608 TID-go2rbcncvo CommitMonitorHandlers::CommitRange::GithubPrCommenter JID-ddb014ad8c241d8fb5bfce1a INFO: done: 0.713 sec
00:30:12 sidekiq_glacial.1 + [/root/.miq_bot/repos/xtest123/testrepo] git rev-parse --git-dir --show-toplevel # => ".git\n/root/.miq_bot/repos/xtest123/testrepo\n"
00:30:12 sidekiq.1 + git fetch --all
00:30:13 sidekiq_glacial.1 + git diff --patience -U0 --no-color origin/master...61d24360a2bddb3d43b9af717d79d0457d0fb82d
00:30:13 sidekiq.1 2018-05-09T06:30:13.782Z 10608 TID-go2rbnjk8 CommitMonitorHandlers::CommitRange::RubocopChecker JID-33965c8aed53029133fd0615 INFO: Updating PR 7 with rubocop comment.
00:30:14 sidekiq_glacial.1 I, [2018-05-09T08:30:14.586982 #10608] INFO -- : Executed GET https://api.github.com/repos/xtest123/testrepo/issues/7/comments?per_page=100...api calls remaining 4989
00:30:15 sidekiq_glacial.1 I, [2018-05-09T08:30:15.835290 #10608] INFO -- : Executed DELETE https://api.github.com/repos/xtest123/testrepo/issues/comments/388790349...api calls remaining 4988
00:30:17 sidekiq_glacial.1 I, [2018-05-09T08:30:17.500472 #10608] INFO -- : Executed POST https://api.github.com/repos/xtest123/testrepo/issues/7/comments...api calls remaining 4987
00:30:17 sidekiq.1 2018-05-09T06:30:17.503Z 10608 TID-go2rbnjk8 CommitMonitorHandlers::CommitRange::RubocopChecker JID-33965c8aed53029133fd0615 INFO: done: 9.172 sec

^CSIGINT received
00:30:33 system | sending SIGTERM to all processes
00:30:33 thin.1 | exited with code 0

[root@localhost miq_bot]#
```

# Enhancements

- Pronto
  - MiqBot's Formatter
- Gitter
- GitHub Status API
- Missing commands for GitHub's interface
  - unassign
  - add\_reviewer
  - remove\_reviewer
- Automated pull request review requests
- Removal of "old" unmergeable comments



# Pronto



europbot commented 12 days ago

Member + 😊 ...

Commits [europ/testrepo@ cc2474e...5514a32](#) 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

6 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/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)



europbot commented 16 days ago • edited by europ ▾

Member + 😊 ...

Checked commits [europ/testrepo@ cc2474e...6edda80](#) with ruby 2.3.6, rubocop 0.52.1, haml-lint 0.27.0, and yamllint 1.10.0

4 files checked, 6 offenses detected

## [header.yaml](#)

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

## [space.haml](#)

- ☐ ⚠ - [Line 1](#) - Pronto::Haml - Line contains trailing whitespace

## [space.rb](#)

- ☐ ⚠ - [Line 1](#) - Pronto::Rubocop - Layout/TrailingWhitespace: Trailing whitespace detected.
- ☐ ⚠ - [Line 3](#) - Pronto::Rubocop - Layout/EmptyLines: Extra blank line detected.
- ☐ ⚠ - [Line 4](#) - Pronto::Rubocop - Layout/TrailingBlankLines: Final newline missing.

## [x/x/x/y/asd.rb](#)

- ☐ ⚠ - [Line 1](#) - Pronto::Rubocop - Layout/TrailingWhitespace: Trailing whitespace detected.



# Gitter

```
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"
```

## Default Branch

✓ master	# 67166 passed	🔗 e915a3f	✓	✓	✓	✓	✓
🏠 12627 builds	📅 about 19 hours ago	🔌 GitHub					

## Active Branches

✓ gaprindashvili	# 67183 passed	🔗 d460eb8	✓	✓	✓	✓	✓
🏠 338 builds	📅 14 minutes ago	🔌 Satoe Imaishi					
✓ fine	# 67149 passed	🔗 29cc195	✓	✓	✓	✓	✗
🏠 580 builds	📅 about 24 hours ago	🔌 GitHub					
✓ euwe	# 66773 passed	🔗 425a6d7	✓	✓	✗	✗	✗
🏠 1558 builds	📅 27 days ago	🔌 Satoe Imaishi					
✗ darga	# 61695 failed	🔗 2390f99	✗	✗	✗	✓	✓
🏠 1209 builds	📅 8 months ago	🔌 GitHub					



Adrián Tóth BOT @europbot

16:11

🚑 ⚠️ "master" in "xtest123/testrepo" is broken !! 💣

✓ Broken branch has been fixed 💚

# GitHub Status API



test

europobot commented a minute ago

Member

Checked commits [europ/testrepo@6727908~...1cf21dd](#) with ruby 2.3.3, rubocop 0.52.1, haml-lint 0.20.0, and yamllint 1.10.0  
0 files checked, 0 offenses detected  
Everything looks fine. 🏆

Add more commits by pushing to the **new** branch on **europ/testrepo**.

🔗

✅ **All checks have passed** [Hide all checks](#)  
1 successful check

✅ **miq-bot** — Everything looks fine. [Details](#)

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

[Merge pull request](#) or view [command line instructions](#).

test

europobot commented 12 seconds ago

Member

Checked commits [europ/testrepo@6727908~...7e19eee](#) with ruby 2.3.6, rubocop 0.52.1, haml-lint 0.20.0, and yamllint 1.10.0  
4 files checked, 6 offenses detected

\*\*

☐ 💣 🔥 🚒 - Linter/Yaml - missing config files

**space.rb**

☐ ! - [Line 1](#), Col 13 - [Layout/TrailingWhitespace](#) - Trailing whitespace detected.

Add more commits by pushing to the **new** branch on **europ/testrepo**.

🔗

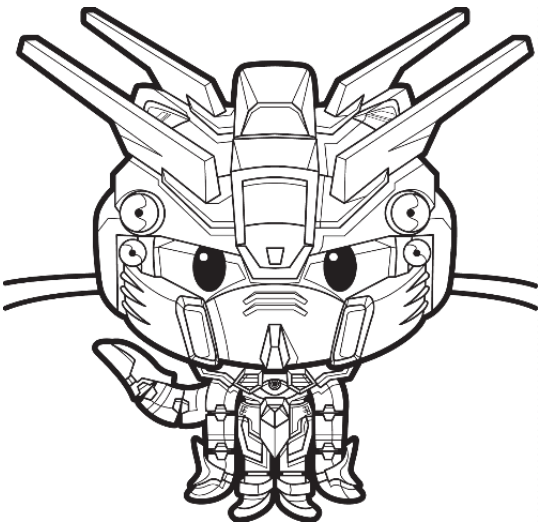
❌ **All checks have failed** [Hide all checks](#)  
1 errored check

❌ **miq-bot** — Something went wrong. [Details](#)


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





[Merge pull request](#) or view [command line instructions](#).

# Missing Commands



## Pull Request #8

 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 a minute ago

Member



No description provided.

 123

d5c21a2

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](#).

Reviewers



No reviews

Assignees



No one—assign yourself

Labels



None yet

Projects



None yet

Milestone









No milestone

# Pull Request Review



## New pull request #9

 Open europ wants to merge 1 commit into `xtest123:master` from `europ:new_branch`

 Conversation 0    Commits 1    Checks 0    Files changed 0   +0 -0 




europ commented 6 minutes ago



Member  

No description provided.


  new\_commit 8087447




europ commented 37 seconds ago



Member  

@europbot add\_reviewer @himdel, @romanblanco, @skateman, @karelhala

 europbot requested review from **romanblanco** and **skateman** 18 seconds ago







europbot commented 17 seconds ago

Member  

@europ Cannot add the following reviewers because they are not recognized: himdel, karelhala

Reviewers 

-  skateman 
-  romanblanco 

Assignees 

No one—assign yourself

Labels 

None yet

Projects 

None yet

Milestone 


No milestone

# Automated review request

Rely only on decorators when determining icons/images in text summaries #3862

Merged martinpovolny merged 1 commit into ManageIQ:master from skateman:textual-summary-icons 12 days ago

Conversation 2 Commits 1 Checks 0 Files changed 1 +2 -10

 skateman commented 19 days ago

Member

Analogous with #3852, so there's a script and a produced list of potentially unsafe models:

```
tag
middleware_messaging
network
miq_database
authentication
cloud_resource_quota
middleware_datasource
configuration_script
```

I went through all of these and haven't found any cross-reference with textual summaries so both the redundant cases and the evil .underscore have been removed.

If I am wrong, this will probably cause a missing icon regression so please test this thoroughly.


@miq-bot add\_reviewer @epwinchell
@miq-bot add\_label graphics, refactoring, gaprindashvili/no


skateman requested a review from martinpovolny as a code owner 19 days ago

miq-bot requested a review from epwinchell 19 days ago


miq-bot added gaprindashvili/no graphics refactoring labels 19 days ago

Reviewers

 epwinchell ✓

 martinpovolny

Assignees

 martinpovolny

Labels

gaprindashvili/no

graphics

refactoring

Projects

None yet

Milestone

Sprint 85 Ending ...


Notifications

Subscribe

You're not receiving notifications from this thread.

# Unmergeable status problem

## Pull request #10

 **Open** europ wants to merge 1 commit into xtest123:master from europ:qwerty


Conversation 0

Commits 1

Checks 0

Files changed 0

+0 -0



europ commented 3 minutes ago

Member


+ 😊 ✎ 🗨

No description provided.

commit

6282c93

europ changed the title from commit to Pull request 2 minutes ago



europbot commented 2 minutes ago


Member

+ 😊 ...

This pull request is not mergeable. Please rebase and repush.

europbot added the unmergeable label 2 minutes ago

europbot removed the unmergeable label a minute ago



europbot commented a minute ago

Member

+ 😊 ...

This pull request is not mergeable. Please rebase and repush.

europbot added the unmergeable label a minute ago

europbot removed the unmergeable label 41 seconds ago

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 commented.

2 participants



Lock conversation

# Thank you!

