

Redmine - Feature #30069

Use GitHub Actions as a secondary CI solution to run tests through the existing mirroring

2018-12-01 14:03 - Marius BĂLTEANU

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Marius BĂLTEANU	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	5.1.7		
Resolution:	Fixed		
Description			
<p>On my local development box, I've a lot of branches with my entire work for Redmine. These branches contain features or bug fixes in a stable phase that are already posted on Redmine.org or my work in progress for future features or bug fixes that are not public yet.</p> <p>Most of the time, before posting a patch on Redmine.org, I'm running the entire test suite just to be sure that I do not break any existing test. If the tests pass, I'm uploading the patch/patches. I assume that when reviews a patch uploaded by me, Go Maeda runs the tests on his local environment (from the same reason). So there are at least 2 times in this happy scenario. If the patch needs some changes after the initial review, we run the tests more than 2 times in total. The same situation when I need to check the patch against master and other stable branch (for ex: 3.4-stable).</p> <p>Other case is when some commits were been made on the trunk and the patches that I've posted need to be rechecked against the new trunk in order to be sure that they still apply cleanly and the tests pass. Here is the most consuming time for me because I need to run the tests on my local environment for each patch/branch.</p> <p>I'm saying time consuming because even if the total time to run the tests is ~6 minutes, in that time my local development is blocked (I cannot touch the code). And if I need to do the same operation 5 times => 40 minutes while I cannot touch Redmine development box.</p> <p>What it will be very useful for me is to integrate Redmine with an open source CI service (GitLab or Travis) in order to delegate all these tests there. I think that it will be useful also for other contributors. I'm not saying that I want to change the current workflow, I just want to have the possibility to run the tests there and if everything is ok, to upload the patch here as we currently do.</p> <p>I made a branch on GitLab to prove this integration, it can be found here:</p> <ul style="list-style-type: none">• https://gitlab.com/marius-balteanu/redmine/blob/feature/gitlab_integration/gitlab-ci.yml which is the gitlab file that enables the integrations• https://gitlab.com/marius-balteanu/redmine/pipelines: test results for each commit. <p>The code is automatically fetch by GitLab from the GitHub repository and because I'm member and the owner of the repo, I can push additional branches on the repository. If the file is committed to Redmine, I won't have to add the file each time when I'm pushing branch that I make and also, I won't need to pay attention to exclude the file from the patch before uploading it to Redmine.org.</p> <p>I chose GitLab because I'm using it at work and have some integrations/features that we can benefit from in the future. Also, I'm very ok with any other service.</p>			
Related issues:			
Related to Redmine - Patch #41969: Add SQLite3 tests to CI		Closed	
Related to Redmine - Patch #42135: Enable GitHub Actions for testing and lint...		Closed	
Related to Redmine - Feature #42609: Run system tests on Github CI		New	

Associated revisions

Revision 23254 - 2024-11-11 22:52 - Marius BĂLTEANU

Run tests on Github as secondary CI environment using the following matrix:

- ruby: 3.1, 3.2, 3.3
- database mysql 8, postgresql 13

(#30069)

Revision 23264 - 2024-11-12 21:36 - Marius BĂLTEANU

Improve CI tests that are running on the Github mirror (#30069).

Revision 23270 - 2024-11-15 00:36 - Go MAEDA

Fix CI failure on GitHub Actions due to missing apt-get update (#30069).

Patch by Katsuya HIDAKA (user:hidakatsuya).

Revision 23279 - 2024-11-16 10:34 - Marius BĂLTEANU

Simplify environment setup in tests.yml (#30069).

Patch by Mizuki ISHIKAWA (user:ishikawa999).

Revision 23280 - 2024-11-16 10:36 - Marius BĂLTEANU

Add SCM tests (bazaar, cvs, bazaar non ascii) (#30069).

Patch by Mizuki ISHIKAWA (user:ishikawa999).

Revision 23281 - 2024-11-16 10:50 - Marius BĂLTEANU

Run bazaar non ascii test after main tests suite (#30069).

Revision 23282 - 2024-11-16 10:50 - Marius BĂLTEANU

Use bin/rails test to run bazaar test (#30069).

Revision 23283 - 2024-11-16 10:51 - Marius BĂLTEANU

Run autoload test (#30069).

Revision 23284 - 2024-11-16 10:53 - Marius BĂLTEANU

Stylelint updates:

- update package version
- add action to run the checks
- use npx to run the checks

(#30069).

Revision 23285 - 2024-11-16 10:55 - Marius BĂLTEANU

Fixes "Unexpected duplicate selector "table th" in wiki_syntax.css (#30069).

Revision 23291 - 2024-11-18 21:59 - Marius BĂLTEANU

Adds bundle audit check --update to lints (#30069).

Revision 23398 - 2024-12-11 19:53 - Marius BĂLTEANU

Removes duplicate execution of test:autoload in Github CI (#41969, #30069).

Patch by Katsuya HIDAKA (user:hidakatsuya).

Revision 23399 - 2024-12-11 19:54 - Marius BĂLTEANU

Adds SQLite3 to database matrix from Github CI (#41969, #30069).

Patch by Katsuya HIDAKA (user:hidakatsuya).

Revision 23400 - 2024-12-11 19:56 - Marius BĂLTEANU

Updates to ruby/setup-ruby to always use latest v1 in Github CI (#41969, #30069).

Patch by Katsuya HIDAKA (user:hidakatsuya).

History

#1 - 2018-12-01 19:02 - Anonymous

+1

However technically tough that could sound (since I'm not even a web dev XD), less time consuming = faster, and anything that has a potential to

speed up the development and generally make it less stressful, is imho should be welcomed. :)

#2 - 2018-12-01 19:08 - Pavel Rosický

+1

Yes, it's very time consuming to contribute and also for maintainers to verify existing patches.

If you don't want to move to git which was discussed and rejected many times, please at least enable travis on <https://github.com/redmine/redmine> or make a GitLab account and allow to post patches for contributors.

it's an easy change that will save time to everyone.

#3 - 2018-12-02 11:07 - Anonymous

Hopefully soon™...

#4 - 2019-05-20 22:38 - Marius BĂLTEANU

I made two changes:

1. Moved the repository from my namespace to a new one created 'redmine-org'.
2. Changed the visibility to public.

If you consider it shouldn't be public, please let me know. I'm still using it to keep my work and run the tests.

#5 - 2019-05-21 01:49 - Pavel Rosický

are you about to open it for contributors? in such case all stable branches should be marked as protected.

for me it would be much easier. I'll instantly know about potential conflicts or if tests are green without even setting a local enviroment...

#6 - 2019-06-19 11:39 - Marius BĂLTEANU

Pavel Rosický wrote:

are you about to open it for contributors? in such case all stable branches should be marked as protected.

for me it would be much easier. I'll instantly know about potential conflicts or if tests are green without even setting a local enviroment...

I'm open only to accept new branches to be pushed in order to have the tests run in GitLab CI. Any merge to stable branches it is useless.

#7 - 2019-06-19 11:46 - Marius BĂLTEANU

In the meantime, I've added Rubocop checks to the [pipeline](#). Test results [here](#).

Go Maeda, I'm planning to add Postegres as well and after that, it's there any chance to have this file committed? Right now I'm cherry picking a commit for every branch that I want to run tests and it's annoying. Or do you prefer to have Jean-Philippe feedback on this?

#8 - 2020-04-18 13:22 - Marius BĂLTEANU

- File *pipeline.png* added

Updated the branch to run the tests against SQL Server 2017 (linux version) and Style lint ([#32888](#)).

pipeline.png

#9 - 2022-07-27 12:47 - Peter Volkov

In my opinion, the absence of this feature really slows down development. Also, such integration may help other projects that are using gitlab/redmine together. We are using redmine to work with tickets but we also have to use gitlab for CI/CD.

#10 - 2022-11-14 13:17 - Ko Nagase

+1 to add [.gitlab-ci.yml](#) to redmine svn repository, because it will not affect existence rails code and test results.

Related with this topic, I am trying to create GitHub Actions on my GitHub fork branch with referring your ".gitlab-ci.yml" and Japan Redmine Patch Meetup GitHub Actions (<https://github.com/redmine-patch-meetup/redmine-dev-mirror/blob/develop/.github/workflows/test.yml>).

- Pull Request: <https://github.com/sanak/redmine/pull/2>
- Test Result: <https://github.com/sanak/redmine/actions>

#11 - 2024-11-12 21:42 - Marius BĂLTEANU

- Subject changed from Integrate Redmine with GitLab (or other free CI system for open source) to run tests to Use GitHub Actions as a secondary CI solution to run tests through the existing mirroring

- Assignee set to Marius BĂLTEANU

- Target version set to 6.1.0

In May, we integrated in [r22813](#) a simple Github action to run the Rubocop lint on Github mirror maintained by the community (<https://github.com/redmine/redmine>). The integration was quite useful to catch faster the offenses.

Yesterday, I've also added in [r23254](#) an action to run the core tests on a matrix (ruby 3.1, 3.2, 3.3 on postgresql and mysql) and it works well until now.

Please feel free to post to this tickets improvements for those tests if you already have an working action, I think it will be very useful to have at least the system tests (selenium or playwright) running there.

#12 - 2024-11-14 17:21 - Katsuya HIDAHA

Currently, the CI is failing due to an error when executing apt-get install.

```
...
E: Failed to fetch mirror+file:/etc/apt/apt-mirrors.txt/pool/main/g/ghostscript/libgs9-common_9.55.0%7edfsg1-0
ubuntu5.9_all.deb 404 Not Found [IP: 52.252.75.106 80]
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
```

Following the above error message, it seems this issue can be resolved by applying the following modification.

```
diff --git a/.github/workflows/tests.yml b/.github/workflows/tests.yml
index d35d57406..7017286d4 100644
--- a/.github/workflows/tests.yml
+++ b/.github/workflows/tests.yml
@@ -47,10 +47,9 @@ jobs:
     uses: actions/checkout@v4

     - name: Install package dependencies
       run: >
         sudo apt-get install --yes --quiet
         ghostscript
         gsfonts
+       run: |
+         sudo apt-get update
+         sudo apt-get install --yes --quiet ghostscript gsfonts

     - name: Allow imagemagick to read PDF files
       run: |
```

After applying this patch, the CI ran successfully.

<https://github.com/hidakatsuya/redmine/actions/runs/11840409772/job/32994163366>

#13 - 2024-11-14 17:36 - Katsuya HIDAHA

I think it will be very useful to have at least the system tests (selenium or playwright) running there.

I agree. In my opinion, to ensure the sustainability of the test code for system tests, it is essential to always run them in CI.

#14 - 2024-11-15 00:37 - Go MAEDA

Katsuya HIDAHA wrote in [#note-12](#):

Currently, the CI is failing due to an error when executing apt-get install.

[...]

Following the above error message, it seems this issue can be resolved by applying the following modification.

[...]

After applying this patch, the CI ran successfully.

<https://github.com/hidakatsuya/redmine/actions/runs/11840409772/job/32994163366>

I have committed the fix in [r23270](#). Thank you.

#15 - 2024-11-16 08:02 - Mizuki ISHIKAWA

- *File 0002-Add-SCM-tests-bazaar-cvs-bazaar-non-ascii.patch added*
- *File 0001-Simplify-environment-setup-in-tests.yml.patch added*

It's wonderful that tests are being executed via GitHub Actions.
I've added two patches to improve tests.yml. The 0002 patch adds support for testing additional SCM types (Bazaar, CVS, and Bazaar non-ASCII).

#16 - 2024-11-16 08:10 - Mizuki ISHIKAWA

- *File 0002-Add-SCM-tests-bazaar-cvs-bazaar-non-ascii.patch added*

I made some adjustments to the 0002 patch.
Here's what it looks like when executed: <https://github.com/ishikawa999/redmine/actions/runs/11868149611>

#17 - 2024-11-16 10:38 - Marius BĂLTEANU

Thanks [Mizuki ISHIKAWA](#), very nice work, I've committed both patches.

#18 - 2024-11-16 10:56 - Marius BĂLTEANU

I made more improvements:

- added autoload test
- added stylelint checks

#19 - 2024-11-16 10:58 - Marius BĂLTEANU

Should we also add bundle-audit check --update to lints?

#20 - 2024-11-18 05:53 - Mizuki ISHIKAWA

Should we also add bundle-audit check --update to lints?

I think that's a great idea! Adding bundle-audit check --update to lints would help ensure dependency security checks are consistently enforced. I've seen other repositories running bundle-audit check --update in their GitHub Actions workflows as well.

#21 - 2024-11-18 22:00 - Marius BĂLTEANU

bundle exec bundle audit check --update added to lints in [r23291](#).

#22 - 2024-12-11 17:08 - Katsuya HIDAHA

I've created a patch to add SQLite3 tests to CI: [#41969](#).

#23 - 2024-12-11 19:52 - Marius BĂLTEANU

- *Related to Patch #41969: Add SQLite3 tests to CI added*

#24 - 2024-12-11 19:57 - Marius BĂLTEANU

Katsuya HIDAHA wrote in [#note-22](#):

I've created a patch to add SQLite3 tests to CI: [#41969](#).

Committed, thanks!

#25 - 2025-01-21 15:15 - Katsuya HIDAHA

I've created a patch to enable GitHub Actions on stable branches: [#42135](#).

#26 - 2025-01-23 02:23 - Go MAEDA

- *Related to Patch #42135: Enable GitHub Actions for testing and linting on stable branches added*

#27 - 2025-01-31 01:21 - Go MAEDA

I believe we can deliver this improvement in version 5.1.7 rather than 6.1.0, in conjunction with [#42135](#). Currently, the GitHub Actions implemented in this issue are functioning correctly.

Marius, what is your opinion on this?

#28 - 2025-03-10 23:43 - Marius BĂLTEANU

- Status changed from New to Closed
- Resolution set to Fixed

I've merged to stable branches, except 5.0-stable which receives only security fixes.

Thanks everyone for improving the integration with Github Actions, please open new issues for other improvements.

#29 - 2025-03-10 23:43 - Marius BĂLTEANU

- Target version changed from 6.1.0 to 5.1.7

#30 - 2025-04-22 08:46 - Marius BĂLTEANU

- Related to Feature #42609: Run system tests on Github CI added

Files

pipeline.png	101 KB	2020-04-18	Marius BĂLTEANU
0001-Simplify-environment-setup-in-tests.yml.patch	2.88 KB	2024-11-16	Mizuki ISHIKAWA
0002-Add-SCM-tests-bazaar-cvs-bazaar-non-ascii.patch	1.7 KB	2024-11-16	Mizuki ISHIKAWA
0002-Add-SCM-tests-bazaar-cvs-bazaar-non-ascii.patch	1.64 KB	2024-11-16	Mizuki ISHIKAWA