Redmine - Feature #29914
Migrate to Rails 6.1
2018-11-06 04:06 - Go MAEDA

<table>
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**Description**

**Related issues:**
- Related to Redmine - Feature # 31128: Drop Ruby < 2.5 support
- Related to Redmine - Defect # 32885: Rails 6: DEPRECATION WARNING: Single ar...  
  (Closed)
- Related to Redmine - Patch # 32886: Rails 6: Use #media_type instead of #cont...  
  (Closed)
- Related to Redmine - Patch # 32887: Rails 6: Use "render template:=" instead o...  
  (Closed)
- Related to Redmine - Defect # 32887: Rails 6: Pass `case_sensitive: true` opt...  
  (Closed)
- Related to Redmine - Defect # 32908: Rails 6: Sending mail with DeliveryJob i...  
  (Closed)
- Related to Redmine - Patch # 32909: Replace pluck().first with pick()  
  (Closed)
- Related to Redmine - Defect # 32910: Rails 6: add lookup_context to hook_test.rb  
  (Closed)
- Related to Redmine - Patch # 32911: Rails 6: Fix deprecation warning "Class I...  
  (Closed)
- Related to Redmine - Defect # 32912: Rails 6: update no longer bypass optimis...  
  (Closed)
- Related to Redmine - Defect # 32913: Rails 6: add filename header  
  (Closed)
- Related to Redmine - Defect # 32914: Rails 6: remove #filename_for_content_di...  
  (Closed)
- Related to Redmine - Patch # 32922: Reload detached attachments  
  (Closed)
- Related to Redmine - Defect # 32923: Rails 6: detach attachments when a confl...  
  (Closed)
- Related to Redmine - Defect # 32921: Rails 6: add header=present to csv tests  
  (Closed)
- Related to Redmine - Defect # 32935: Rails 6: fix set role_ids  
  (Closed)
- Related to Redmine - Defect # 32936: Rails 6: disable AJ test adapter for int...  
  (Closed)
- Related to Redmine - Patch # 32937: test_revisions_latin_1_identifier should ...  
  (Closed)
- Related to Redmine - Feature # 32938: Rails 6: Zeitwerk support  
  (New)
- Related to Redmine - Defect # 32939: Rails 6: fix plugin migrations  
  (Closed)
- Related to Redmine - Defect # 34980: Fix "undefined method "represent_boolean...  
  (Closed)
- Related to Redmine - Defect # 34985: Rails 6.1 replace ActiveModel::Errors #<....  
  (Closed)
- Related to Redmine - Defect # 34984: Rails 6.1 Rendering actions with "." in ...  
  (Closed)
- Related to Redmine - Feature # 34987: Rails 6.1 destroy async  
  (New)
- Related to Redmine - Defect # 35002: Fix MS SQL on Rails 6.1  
  (New)
- Related to Redmine - Defect # 35003: Update Rails UJS  
  (Closed)
- Related to Redmine - Defect # 35004: DEPRECATION WARNING during startup  
  (Closed)
- Related to Redmine - Defect # 35005: RuntimeWarning "Couldn't find Active Stora...  
  (Closed)
- Related to Redmine - Patch # 35081: Update config/environments.rb for Rails...  
  (New)
- Blocked by Redmine - Patch # 31919: Update roadie-rails gem (~> 2.1.0)  
  (Closed)
- Blocks Redmine - Feature # 34992: Ruby 3.0 support  
  (Resolved)

**Associated revisions**

Revision 18375 - 2019-08-17 10:14 - Go MAEDA

Code cleanup: RuboCop: Rails/ActiveRecordAliases

update_attributes is deprecated in Rails 6.0 and will be removed in Rails 6.1 (#29914).
Revision 20879 - 2021-04-01 16:29 - Go MAEDA

Gemfile: Update Rails to 6.1 (#29914).

Revision 20880 - 2021-04-01 16:32 - Go MAEDA

DEPRECATION WARNING: Uniqueness validator will no longer enforce case sensitive comparison in Rails 6.1. (#29914, #32897).

Patch by Marius BALTEANU.

Revision 20881 - 2021-04-01 16:34 - Go MAEDA

Fix "undefined method for nil:NilClass" in Rails 6.1 (#29914, #34980).

Patch by Marius BALTEANU.

Revision 20882 - 2021-04-01 16:41 - Go MAEDA

Fix sending mail with DeliveryJob is deprecated (#29914, #32908).

Patch by Pavel Rosický.

Revision 20883 - 2021-04-01 16:46 - Go MAEDA

Fix Subclasses must implement a find_templates(name, prefix, partial, details, locals = []) method (#29914).

Patch by Go MAEDA.

Revision 20884 - 2021-04-01 16:48 - Go MAEDA

Fix "ActiveRecord::StaleObjectError: Attempted to update a stale object: Issue." (#29914, #32912).

Patch by Pavel Rosický.

Revision 20885 - 2021-04-01 16:53 - Go MAEDA

Fix "DEPRECATION WARNING: Passing a path to relative to is deprecated." (#29914).

Patch by Marius BALTEANU.

Revision 20886 - 2021-04-01 16:54 - Go MAEDA

Fix "ActionView::Template::Error (wrong number of arguments (given 2, expected 1))" (#29914).

Patch by Marius BALTEANU.
Revision 20887 - 2021-04-01 16:59 - Go MAEDA

Rails 6.1: add header=present to csv tests (#29914, #32921).

Patch by Pavel Rosický.

Revision 20888 - 2021-04-01 17:02 - Go MAEDA

Fix "ArgumentError: wrong number of arguments (given 1, expected 2) on Redmine::PluginTest#test_migrate_redmine_plugin" (#29914, #32939).

Patch by Pavel Rosický.

Revision 20889 - 2021-04-01 17:05 - Go MAEDA

Fix ArgumentError: wrong number of arguments (given 1, expected 3) (#29914).

Patch by Marius BALTEANU.

Revision 20890 - 2021-04-01 17:06 - Go MAEDA

Use media_type to get the MIME type of the request (#29914).

Patch by Marius BALTEANU.

Revision 20891 - 2021-04-01 17:16 - Go MAEDA

Add filename header (#29914, #32913).

Patch by Pavel Rosický.

Revision 20892 - 2021-04-01 17:19 - Go MAEDA

Remove #filename_for_content_disposition for MS browsers (#29914, #32914).

Patch by Pavel Rosický.

Revision 20893 - 2021-04-01 17:22 - Go MAEDA

Disable TestAdapter on IntegrationTest (#29914, #32936).

Patch by Pavel Rosický.

Revision 20894 - 2021-04-01 17:25 - Go MAEDA

Fix detach attachments when a conflict occurs (#29914, #32923).
Fix "DEPRECATION WARNING: Rendering actions with '.' in the name is deprecated: common/error_messages.api" (#29914, #34985).

Wrong issue number.

Fix "DEPRECATION WARNING: Calling '

Rails 6.1: fix set roleids (#29914, #32935).

Update activerecord-sqlserver-adapter to 6.0.1 (#29914).

Fix a test failure caused by an assert forgotten to be deleted (#29914, #32913).

RuntimeError " Couldn't find Active Storage configuration" is raised at startup (#29914, #35005).
Set TargetRailsVersion of RuboCop to 6.1 (#29914).

Revision 20937 - 2021-04-13 07:32 - Go MAEDA

Update Rails UJS to 6.1.3.1 (#29914, #35003).

Patch by Marius BALTEANU.

Revision 20938 - 2021-04-13 07:42 - Go MAEDA

set svn:eol-style to native (#29914, #35003).

History

#1 - 2018-11-06 04:07 - Go MAEDA
- Related to Defect #27780: Case-insensitive matching fails for Unicode filenames when referring to attachments in text formatting added

#2 - 2019-04-01 00:32 - Marius BALTEANU
- Related to Feature #31128: Drop Ruby < 2.5 support added

#3 - 2019-06-20 16:16 - Go MAEDA
- Target version changed from Unplanned backlogs to 5.0.0

#4 - 2019-07-01 14:43 - Enziin System

Rails 6?

Please carefully, because Rails 6 drop sprockets assets and use Webpack default.

In the wonderland, Redmine converts to the frontend with Angular/Reactjs/Vue, it's my dream.

#5 - 2019-08-17 05:50 - Go MAEDA
- Blocked by Patch #31919: Update roadie-rails gem (~> 2.1.0) added

#6 - 2019-08-18 17:04 - Marius BALTEANU

Rails 6 is released: https://weblog.rubyonrails.org/2019/8/18/this-week-in-rails-rails-6-is-released-sass-rails-6-improved-mysql2-error-and-more/

#7 - 2020-01-10 03:39 - Tigergm Wu

Yes. I hope so.

Enziin System wrote:

Rails 6?

Please carefully, because Rails 6 drop sprockets assets and use Webpack default.

In the wonderland, Redmine converts to the frontend with Angular/Reactjs/Vue, it's my dream.
I started work on this issue.

Here is the very first version of the work-in-progress patch but there are still many errors.

4936 runs, 22346 assertions, 34 failures, 42 errors, 7 skips

Please feel free to update the patch. Your help is highly appreciated!

#12 - 2020-01-27 18:00 - Marius BALTEANU

Go MAEDA wrote:

I started work on this issue.

Here is the very first version of the work-in-progress patch but there are still many errors.

[...]

Please feel free to update the patch. Your help is highly appreciated!

I'm willing to help with this, but I think we should have first a decision (from Jean-Philippe, I guess) regarding next Redmine major version. If we're going to update to Rails 6, we should merge version 4.2.0 to 5.0.0.

Considering the time frame of the major releases, I'm in favour of Redmine 5.0.0 with support for Rails 6.

#13 - 2020-01-27 23:07 - Marius BALTEANU

- Related to Defect #32897: Rails 6: Pass `case_sensitive: true` option explicitly to the uniqueness validator added

#14 - 2020-01-28 06:34 - Go MAEDA

Marius BALTEANU wrote:

I'm willing to help with this, but I think we should have first a decision (from Jean-Philippe, I guess) regarding next Redmine major version. If we're going to update to Rails 6, we should merge version 4.2.0 to 5.0.0.
I agree. Redmine 5.0.0 is the appropriate version to switch to Rails 6 and this should be decided by Jean-Philippe Lang.

But while waiting for Jean-Philippe’s decision, we can prepare for moving to Rails 6. And I think we should do it to quickly switch to Rails 6 once JPL decided to do.

I think we should move to Rails 6 as soon as we can because the Rails team no longer provides bug fixes for Rails 5.2 except for security fixes. The negative impacts of that are already happening. For example, Redmine does not support Ruby 2.7 because Rails 5.2 does not. And probably Rails 5.2 will never support 2.7.

So, I think we should prepare for Rails 6 in parallel with waiting for the decision.

#15 - 2020-01-28 14:57 - Aleksandar Pavic

+1 however I guess lot's of plugin developers will need to be notified and start their upgrades as well...

#16 - 2020-01-28 22:51 - Marius BALTEANU

Go MAEDA wrote:

I agree. Redmine 5.0.0 is the appropriate version to switch to Rails 6 and this should be decided by Jean-Philippe Lang.

But while waiting for Jean-Philippe’s decision, we can prepare for moving to Rails 6. And I think we should do it to quickly switch to Rails 6 once JPL decided to do.

I think we should move to Rails 6 as soon as we can because the Rails team no longer provides bug fixes for Rails 5.2 except for security fixes. The negative impacts of that are already happening. For example, Redmine does not support Ruby 2.7 because Rails 5.2 does not. And probably Rails 5.2 will never support 2.7.

So, I think we should prepare for Rails 6 in parallel with waiting for the decision.

Let’s do it then. I’ve prepared this branch on my Gitlab CI instance, it should be easier to track the test fails.

As next steps, I propose to open issues for all fails and deprecation warnings and to discuss there the fixes. I expect to get some feedback from other active contributors.

#17 - 2020-01-28 23:02 - Marius BALTEANU

- Related to Defect #32908: Rails 6: Sending mail with DeliveryJob is deprecated added

#18 - 2020-01-29 08:23 - Marius BALTEANU

- Related to Patch #32909: Replace pluck().first with pick() added

#19 - 2020-01-29 08:24 - Marius BALTEANU

- Related to Defect #32910: Rails 6: add lookup_context to hook_test.rb added

#20 - 2020-01-29 08:24 - Marius BALTEANU

- Related to Patch #32911: Rails 6: Fix deprecation warning "Class level methods will no longer inherit scoping" added

#21 - 2020-01-29 08:24 - Marius BALTEANU

- Related to Defect #32912: Rails 6: update no longer bypass optimistic locking added
#22 - 2020-01-29 08:24 - Marius BALTEANU
- Related to Defect #32913: Rails 6: add filename header added

#23 - 2020-01-29 08:24 - Marius BALTEANU
- Related to Defect #32914: Rails 6: remove #filename_for_content_disposition for MS browsers added

#24 - 2020-01-30 08:14 - Marius BALTEANU
- Related to Patch #32922: Reload detached attachments added

#25 - 2020-01-30 08:20 - Marius BALTEANU
- Related to Defect #32923: Rails 6: detach attachments when a conflict occurs added

#26 - 2020-01-30 08:21 - Marius BALTEANU
- Related to Defect #32921: Rails 6: add header=present to csv tests added

#27 - 2020-02-03 03:05 - Pavel Rosický

all tests should be passing now

#28 - 2020-02-03 23:55 - Marius BALTEANU
- Related to Defect #32935: Rails 6: fix set role_ids added

#29 - 2020-02-03 23:56 - Marius BALTEANU
- Related to Defect #32936: Rails 6: disable AJ test adapter for integration tests added

#30 - 2020-02-03 23:56 - Marius BALTEANU
- Related to Patch #32937: test_revisions_latin_1_identifier should be skipped on Windows added

#31 - 2020-02-03 23:56 - Marius BALTEANU
- Related to Feature #32938: Rails 6: Zeitwerk support added

#32 - 2020-02-03 23:57 - Marius BALTEANU
- Related to Defect #32939: Rails 6: fix plugin migrations added

#33 - 2020-10-21 04:48 - Go MAEDA
- Related to deleted (Defect #27780: Case-insensitive matching fails for Unicode filenames when referring to attachments in text formatting)

#34 - 2020-11-19 14:30 - Petr Pospisil

Hello all,

I would like to offer you our help to speed up migration to Rails 6. If you are interested in, please contact me. I have several experienced Redmine developers that should help to move Redmine forward. We can setup a plan and deliver issues done. I know we can send a patch, but I am talking about closer cooperation.

Thank you

Petr

#35 - 2021-03-29 22:17 - Marius BALTEANU
- Related to Defect #34980: Fix "undefined method `represent_boolean_as_integer=" for nil:NilClass" in Rails 6.1 added
I'm attaching a patch series (19) that updates Rails to 6.1.3.1 and fixes all the tests on MySQL and PostgreSQL. MS SQL support is broken for now because the gem supports only Rails 6.0, but I'm confident that will be fixed in the following weeks (there are active discussions/PRs).

My proposal is to have these patches committed as soon as possible in order to have enough time to catch and fix other issues caused by this update (this apply also for plugin developers) and to discuss the other improvements that Rails 6.0/6.1 are adding. In the meanwhile, to track the changes easily, I've changed from Patch to Defect all those tickets that are a must for this update (and for which we have patches attached here).

Thanks again Pavel Rosický for you work on this!

Batch 2.

#40 - 2021-03-31 02:29 - Go MAEDA

Thank you all for working on this.

Marius BALTEANU wrote:

My proposal is to have these patches committed as soon as possible in order to have enough time to catch and fix other issues caused by this update (this apply also for plugin developers) and to discuss the other improvements that Rails 6.0/6.1 are adding.
I agree. Support for Rails 5.2 will end when Rails 7.0 is released (maybe this year?). So we need to migrate to Rails 6 as soon as possible.

I will commit the patches contributed by Pavel Rosický and Marius BALTEANU in the coming days.

#41 - 2021-03-31 08:25 - Marius BALTEANU  
- Subject changed from Migrate to Rails 6 to Migrate to Rails 6.1

#42 - 2021-03-31 08:25 - Marius BALTEANU  
- Related to Feature #34987: Rails 6.1 destroy async added

#43 - 2021-03-31 08:41 - Go MAEDA  
- Blocks Feature #34992: Ruby 3.0 support added

#44 - 2021-04-01 09:58 - Go MAEDA  

The following error was reported while running the test suite.

Failure:  
RepositoriesSubversionControllerTest#test_entry_download

![Code snippet]

rails test functional/repositories_subversion_controller_test.rb:318

#45 - 2021-04-01 10:29 - Go MAEDA  
Go MAEDA wrote:

```ruby
The following error was reported while running the test suite.

[...]
```

I will fix RepositoriesSubversionControllerTest#test_entry_download when I commit attachment:0012-Add-filename-header-29914-32913.patch

#46 - 2021-04-01 18:12 - Go MAEDA  
Committed 19 patches attached to #29914#note-38 and #29914#note-39 (r20879 .. r20901).

#47 - 2021-04-02 02:35 - Yuichi HARADA  
Updating activerecord-sqlserver-adapter with r20900, but when I execute bundle update, the following error occurs.

```bash
% bundle update
2021-04-18
```
Fetching gem metadata from https://rubygems.org/...........
Resolving dependencies...
Bundler could not find compatible versions for gem "activerecord":
  In Gemfile:
    activerecord-sqlserver-adapter (~> 6.0.1) was resolved to 6.0.1, which depends on
    activerecord (~> 6.0.0)

    rails (= 6.1.3.1) was resolved to 6.1.3.1, which depends on
    activerecord (= 6.1.3.1)

#48 - 2021-04-02 02:47 - Pavel Rosický
@yuichi activerecord-sqlserver-adapter doesn't support Rails 6.1 yet, but there's an open PR
https://github.com/rails-sqlserver/activerecord-sqlserver-adapter/pull/861

it would be nice if someone could run tests on it.

#49 - 2021-04-02 03:17 - Yuichi HARADA
Pavel Rosický wrote:

  @yuichi activerecord-sqlserver-adapter doesn't support Rails 6.1 yet, but there's an open PR
  https://github.com/rails-sqlserver/activerecord-sqlserver-adapter/pull/861

  it would be nice if someone could run tests on it.

Thank you for teaching me. I hope it will be resolved by the time Redmine 5.0 is released.

#50 - 2021-04-02 07:57 - Marius BALTEANU
- Related to Defect #35002: Fix MS SQL on Rails 6.1 added

#51 - 2021-04-02 07:57 - Marius BALTEANU
I've created #35002 to track the compatibility with MS SQL.

#52 - 2021-04-02 08:07 - Marius BALTEANU
- Related to Defect #35003: Update Rails UJS added

#53 - 2021-04-02 09:26 - Go MAEDA
- Related to Defect #35004: DEPRECIATION WARNING during startup added

#54 - 2021-04-02 10:14 - Go MAEDA
- Related to Defect #35005: RuntimeError "Couldn't find Active Storage configuration" is raised at startup added

#55 - 2021-04-02 22:49 - Marius BALTEANU
- File 0001-Update-TargetRailsVersion-to-6.1.patch added
We should update Rubocop TargetRailsVersion to 6.1

#56 - 2021-04-03 03:38 - Go MAEDA

Marius BALTEANU wrote:

> We should update Rubocop TargetRailsVersion to 6.1

Done in r20908.

#57 - 2021-04-13 04:22 - Go MAEDA

- Related to Patch #35081: Update config/environments/*.rb for Rails 6.1 added

Files

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<th>Size</th>
<th>Date</th>
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