Ruby 2.7 support

Ruby 2.7.0 is going to be released on 2019-12-25.
https://bugs.ruby-lang.org/versions/35

Related issues:
- Related to Redmine - Patch #32527: Fix ruby 2.7 warning: given argument is nil... Closed
- Related to Redmine - Patch #32542: Fix ruby 2.7 warning: The last argument is... Closed
- Related to Redmine - Defect #32752: Ruby 2.7: Remove deprecated URI.escape/unescape Closed
- Related to Redmine - Defect #33021: [v.4.0.5-stable] Internal Server Error 50... Closed
- Related to Redmine - Defect #35135: FrozenError when new LDAP users try to login Closed
- Related to Redmine - Defect #35441: Inline image in Textile is not displayed ... Closed
- Related to Redmine - Feature #30118: Ruby 2.6 support Closed

Copied from Redmine - Feature #30118: Ruby 2.6 support

Associated revisions

Revision 19324 - 2019-11-30 06:40 - Go MAEDA
Ruby 2.7: Regexp#match and Regexp#match? with a nil argument are deprecated (#32527, #31500).

Revision 19454 - 2020-01-23 16:42 - Go MAEDA
Fix ruby 2.7 warning: The last argument is used as the keyword parameter (#32542, #31500).
Patch by Seiei Miyagi.

Revision 19455 - 2020-01-24 00:28 - Go MAEDA
Ruby 2.7: Remove deprecated URI.escape/unescape (#32752).
Patch by Go MAEDA.

Revision 20150 - 2020-10-19 02:34 - Go MAEDA
Ruby 2.7 support (#31500).

History

#1 - 2019-06-03 02:56 - Go MAEDA
- Copied from Feature #30118: Ruby 2.6 support added

#2 - 2019-11-28 23:06 - Go MAEDA
- Related to Patch #32527: Fix ruby 2.7 warning: given argument is nil; this will raise a TypeError in the next release added

#3 - 2019-12-02 05:48 - Seiei Miyagi
With ruby 2.7, following tests failed.
bin/rails test test/functional/timelog_report_test.rb:262
bin/rails test test/functional/timelog_report_test.rb:308

I send a pull request to ruby/csv to fix it.
https://github.com/ruby/csv/pull/111
The pull request is merged but not released yet.

#4 - 2019-12-03 09:17 - Go MAEDA
- Related to Patch #32542: Fix ruby 2.7 warning: The last argument is used as the keyword parameter added

#5 - 2020-01-04 05:09 - Go MAEDA
- Related to Defect #32752: Ruby 2.7: Remove deprecated URI.escape/unescape added

#6 - 2020-01-28 22:28 - Marius BĂLTEANU
- Related to Patch #32906: Update i18n (~> 1.8.2) added

#7 - 2020-01-29 09:20 - Go MAEDA
- Related to Patch #32907: Update capybara (~> 3.31.0) added

#8 - 2020-02-19 10:45 - Go MAEDA
- Related to Defect #33021: [v.4.0.5-stable] Internal Server Error 500 when accessing 'repository' tab added

#9 - 2020-05-05 05:22 - Jeremy Bailey
https://github.com/ruby/csv/pull/111 was merged in November 2019, but it seems that ruby/csv hasn't yet been updated since 3.1.2 in October 2019.

#10 - 2020-05-10 14:49 - Ludovic Andrieux
ruby/csv 3.1.3 is released with the fix: https://github.com/ruby/csv/releases/tag/v3.1.3

#11 - 2020-08-31 17:54 - Anatol Pomozov
Hi folks,
Ruby 2.7 released almost a year ago. It would be great if useful tools redmine finally became supported at this latest stable version of Ruby.
Could anyone please give an update on the current status of this activity?

#12 - 2020-09-28 15:21 - Xavier Maquil
Any news about release for 2.7 support (Ubuntu 20.04.1 has it build in)

#13 - 2020-10-16 04:03 - Go MAEDA
Since the latest Ruby 2.7.2 disables all deprecation warnings by default, I think Redmine can support Ruby 2.7 if it ignores 2.7.0 and 2.7.1.
The reason why Redmine still stays in Ruby 2.6 is that huge numbers of deprecation warnings are displayed while running tests. The problem is resolved by the change of Ruby 2.7.2, so I think it is no problem to use Ruby 2.7.2 now.

diff --git a/Gemfile b/Gemfile
index 0cfe10e49..24c85b341 100644
--- a/Gemfile
+++ b/Gemfile
@@ -1,6 +1,6 @@
| source 'https://rubygems.org'
-| ruby '>= 2.3.0', '< 2.7.0'
+| ruby '>= 2.3.0', '< 2.8.0'
| gem 'bundler', '>= 1.12.0'

gem 'rails', '5.2.4.4'
diff --git a/doc/INSTALL b/doc/INSTALL
index f4374dae1..137088290 100644
--- a/doc/INSTALL
+++ b/doc/INSTALL
@@ -7,7 +7,7 @@ http://www.redmine.org/

== Requirements

-| Ruby 2.3, 2.4, 2.5, 2.6
+| Ruby 2.3, 2.4, 2.5, 2.6, 2.7 (except for 2.7.0 and 2.7.1)
| Bundler >= 1.12.0

* A database:
Redmine supports Ruby 2.7 (excluding 2.7.0 and 2.7.1) after r20150.

If Ruby 2.7 (excluding 2.7.0 and 2.7.1) then Redmine NOT support Ruby 2.7 version, still Ruby 2.6x

In the Gemfile:
ruby '>= 2.3.0', '< 2.7.0'

To
ruby '>= 2.3.0', '<= 2.7.0'

Although Redmine does not support Ruby 2.7.0 and 2.7.1 but supports 2.7.2 or higher. This is related to the following issues:

- Feature #17000: 2.7.2 turns off deprecation warnings by default
- Feature #16345: Don't emit deprecation warnings by default.

In the above comment, you said "I think it is no problem to use Ruby 2.7.2 now".

Redmine run passed all tests on Ruby 2.7.2, isn't it?

Yes. Redmine on Ruby 2.7.2 passes all tests without warnings.

Unfortunately the patch was ready 4 months ago, but it has not been released yet, and will only be released as part of 4.2.0. According to the roadmap, 4.2.0 is at 80% with 42 opened issues. It could still be weeks, if not months, before we see this patch released.

I would like to suggest to consider to make releases slightly more often. Last release was almost 1 year ago. In fact with 210 issues 4.2.0 is on the biggest version in recent years. What about splitting versions in two to have approximately two releases per year?

So I'd suggest to release the first half of 4.1.0 right now, and postpone what is not ready in the next version.

What do you think?