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; this will raise a TypeError in the next release
- Related to Redmine - Defect #32752: Ruby 2.7: Remove deprecated URI.escape/unescape
- Related to Redmine - Patch #32906: Update i18n (~> 1.8.2)
- Related to Redmine - Patch #32907: Update capybara (~> 3.31.0)
- Related to Redmine - Defect #33021: [v.4.0.5-stable] Internal Server Error 5...
- 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.

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 BALTEANU
- 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: