## Redmine - Feature #36205

### Ruby 3.1 support

2021-11-18 01:17 - Pavel Rosický

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
<th>Start date:</th>
<th>Due date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
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</tr>
<tr>
<td>Assignee:</td>
<td>Go MAEDA</td>
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<tr>
<td>Category:</td>
<td>Ruby support</td>
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</tr>
<tr>
<td>Target version:</td>
<td>5.0.0</td>
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</tr>
<tr>
<td>Resolution:</td>
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<td>Estimated time:</td>
<td>0.00 hour</td>
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</table>

### Description

net/* libraries were gemified, see [https://bugs.ruby-lang.org/issues/5481](https://bugs.ruby-lang.org/issues/5481)

```
diff --git a/Gemfile b/Gemfile
index 949fe86d2..624d40216 100644
--- a/Gemfile
+++ b/Gemfile
@@ -26,6 +26,12 @@
gem 'tzinfo-data', platforms: [:mingw, :x64_mingw, :mswin]
gem 'rotp'
gem 'rqrcode'
+unless Gem.ruby_version < Gem::Version.new('3.1.0')
+  gem 'net-smtp', ' ~> 0.3.0'
+  gem 'net-imap', ' ~> 0.2.2'
+  gem 'net-pop', ' ~> 0.1.1'
+end
+
+# Optional gem for LDAP authentication
+group :ldap do
+  gem 'net-ldap', ' ~> 0.17.0'
```

### Related issues:

- Related to Redmine - Defect #36226: Psych 4: Psych::DisallowedClass exception...  Closed
- Related to Redmine - Defect #35435: Psych 4: aliases in database.yml cause Ps...  Closed
- Related to Redmine - Defect #36360: IssuesSystemTest fails with ArgumentError...  Closed
- Blocked by Redmine - Patch #35025: Update capybara to 3.36  Closed

### Associated revisions

**Revision 21296 - 2021-11-27 06:41 - Go MAEDA**

Ruby 3.1: net-smtp, net-imap, and net-pop are now bundled gems (#36205).

Contributed by Pavel Rosický.

**Revision 21328 - 2021-12-27 10:35 - Go MAEDA**

IssuesSystemTest fails with ArgumentError in Ruby 3.1 (#36205, #36360).

Patch by Yuichi HARADA.

**Revision 21329 - 2021-12-27 14:56 - Go MAEDA**

Add Ruby 3.1 to the supported Ruby versions (#36205).

### History

**#1 - 2021-11-20 10:02 - Go MAEDA**

- File 36205-v2.patch added

Pavel Rosický wrote:

net/* libraries were gemified, see [https://bugs.ruby-lang.org/issues/5481](https://bugs.ruby-lang.org/issues/5481)
Thank you for submitting the patch. I added some additional changes as attached to pass tests.

#2 - 2021-11-21 02:39 - Go MAEDA
- Target version set to 5.0.0

Setting the target version 5.0.0.

#3 - 2021-11-23 06:29 - Go MAEDA
- Blocked by Patch #35025: Update capybara to 3.36 added

#4 - 2021-11-23 07:54 - Go MAEDA
- Related to Defect #36226: Psych 4: Psych::DisallowedClass exception when unserializing a setting value added

#5 - 2021-11-23 07:56 - Go MAEDA
- Related to Defect #35435: Psych 4: aliases in database.yml cause Psych::BadAlias exception added

#6 - 2021-11-26 09:47 - Go MAEDA
net-smtp, net-imap, and net-pop can be described in Gemfile even if the version of Ruby is older than 3.1.
I think using the same version of gems for all Ruby versions will make it easier to maintain Redmine.

Index: Gemfile
===================================================================
--- Gemfile (revision 21293)
+++ Gemfile (working copy)
@@ -18,6 +18,9 @@
gem "rbpdf", "~> 1.20.0"
gem 'addressable'
gem 'rubyzip', '>= 2.3.0'
+gem 'net-smtp', '>= 0.3.0'
+gem 'net-imap', '>= 0.2.2'
+gem 'net-pop', '>= 0.1.1'

   # Windows does not include zoneinfo files, so bundle the tzinfo-data gem
   gem 'tzinfo-data', platforms: [:mingw, :x64_mingw, :mswin]

#7 - 2021-11-26 13:42 - Pavel Rosicky
It seems that Ruby 2.5 is the minimum supported version for these gems and their dependencies. So I think it's ok

#8 - 2021-11-27 06:51 - Go MAEDA
I have committed r21293, r21294, and r21296 and the trunk now passes all tests with Ruby 3.1.
I will commit the following patch after Rails officially supports Ruby 3.1.

diff --git a/Gemfile b/Gemfile
index 73ac9707d..b3f153d22 100644
--- a/Gemfile
+++ b/Gemfile
@@ -1,6 +1,6 @@
 source 'https://rubygems.org'

-ruby '>= 2.5.0', '< 3.1.0'
+ruby '>= 2.5.0', '< 3.2.0'
   gem 'bundler', '>= 1.12.0'

   gem 'rails', '6.1.4.1'
diff --git a/doc/INSTALL b/doc/INSTALL
index c0d823b3e..958e54118 100644
--- a/doc/INSTALL
+++ b/doc/INSTALL
@@ -7,7 +7,7 @@ http://www.redmine.org/

   -- Requirements
- * Ruby 2.5, 2.6, 2.7, 3.0
+ * Ruby 2.5, 2.6, 2.7, 3.0, 3.1
   * Bundler >= 1.12.0

2024-04-11
A database:

#9 - 2021-12-27 05:04 - Go MAEDA
- Related to Defect #36360: IssuesSystemTest fails with ArgumentError in Ruby 3.1 added

#10 - 2021-12-28 01:38 - Go MAEDA
- Status changed from New to Closed
- Assignee set to Go MAEDA
- Resolution set to Fixed

The trunk r21329 passes the tests with Ruby 3.1.0.

The following warning is displayed at startup due to Thor 1.1.0 but should be resolved in the future release of Thor. See https://github.com/rails/thor/pull/761.

Calling `DidYouMean::SPELL_CHECKERS.merge!(error_name => spell_checker)` has been deprecated. Please call `DidYouMean.correct_error(error_name, spell_checker)` instead.

#11 - 2022-03-03 22:52 - Pavel Rosický
this change caused a small regression with starttls_auto, but it should be fixed in the mail gem https://github.com/mikel/mail/pull/1435

Files

<table>
<thead>
<tr>
<th>File</th>
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<th>Author</th>
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<tr>
<td>36205-v2.patch</td>
<td>1.75 KB</td>
<td>2021-11-20</td>
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