

## Redmine - Feature #25048

### Ruby 2.4 support

2017-02-10 17:30 - VVD VVD

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	Ruby support	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.4.0		
<b>Resolution:</b>	Fixed		
<b>Description</b>			
Ruby 2.4.0 was released <a href="#">25 Dec 2016</a> .			
<b>Related issues:</b>			
Related to Redmine - Defect #25460: Redmine 3.3.2 db:migrate terminate with c...			<b>Closed</b>
Copied from Redmine - Feature #21668: Ruby 2.3 support			<b>Closed</b>

#### Associated revisions

##### Revision 16340 - 2017-02-23 03:31 - Toshi MARUYAMA

upgrade Rails to 4.2.8 (#25048)

Ruby 2.4 tests fail.

##### Revision 16353 - 2017-03-02 23:47 - Jean-Philippe Lang

Ruby 2.4: Fixed "Fixnum is deprecated" warning of nokogiri (#25048).

Patch by Go MAEDA.

##### Revision 16354 - 2017-03-02 23:48 - Jean-Philippe Lang

Ruby 2.4: Fixed "key must be 32 bytes" error of OpenSSL::Cipher (#25048).

Patch by Go MAEDA.

##### Revision 16355 - 2017-03-02 23:48 - Jean-Philippe Lang

Ruby 2.4: Fixed "Fixnum is deprecated" warning in QueryTest. (#25048).

Patch by Go MAEDA.

#### History

##### #1 - 2017-02-10 17:30 - VVD VVD

- Copied from Feature #21668: Ruby 2.3 support added

##### #2 - 2017-02-11 04:01 - Go MAEDA

- Target version set to Candidate for next major release

Ruby on Rails 4.2.8 that is compatible with Ruby 2.4 will be released next week.

<http://weblog.rubyonrails.org/2017/2/10/Rails-4-2-8-rc1-has-been-released/>

If no regressions are found, expect the final release on Wednesday, February 15, 2017.

##### #3 - 2017-02-22 23:45 - Marius BĂLTEANU

Rails 4.2.8 has been released.

<http://weblog.rubyonrails.org/2017/2/21/Rails-4-2-8-has-been-released/>

##### #4 - 2017-02-23 03:28 - Toshi MARUYAMA

## Rails 4.2.8 on Ruby 2.4 tests fail.

```
1) Failure:
QueryTest#test_issue_count_by_list_custom_field_group [/REDMINE/WORK-DIR-NO-RAID/hg-workdir/bb-my-work-clean/test/unit/query_test.rb:1591]:
Expected: ["Fixnum"]
Actual: ["Integer"]

2) Failure:
QueryTest#test_issue_count_by_association_group [/REDMINE/WORK-DIR-NO-RAID/hg-workdir/bb-my-work-clean/test/unit/query_test.rb:1582]:
Expected: ["Fixnum"]
Actual: ["Integer"]

3) Failure:
QueryTest#test_issue_count_by_date_custom_field_group [/REDMINE/WORK-DIR-NO-RAID/hg-workdir/bb-my-work-clean/test/unit/query_test.rb:1600]:
Expected: ["Fixnum"]
Actual: ["Integer"]

4) Error:
Redmine::CipheringTest#test_ciphered_password_with_no_cipher_key_configured_should_be_returned_ciphered:
ArgumentError: key must be 32 bytes
lib/redmine/ciphering.rb:32:in `key='
lib/redmine/ciphering.rb:32:in `encrypt_text'
lib/redmine/ciphering.rb:100:in `write_ciphered_attribute'
app/models/repository.rb:92:in `password='
test/unit/lib/redmine/ciphering_test.rb:67:in `block in test_ciphered_password_with_no_cipher_key_configured_should_be_returned_ciphered'
lib/redmine/configuration.rb:77:in `with'
test/unit/lib/redmine/ciphering_test.rb:66:in `test_ciphered_password_with_no_cipher_key_configured_should_be_returned_ciphered'

5) Error:
Redmine::CipheringTest#test_encrypt_all:
ArgumentError: key must be 32 bytes
lib/redmine/ciphering.rb:32:in `key='
lib/redmine/ciphering.rb:32:in `encrypt_text'
lib/redmine/ciphering.rb:100:in `write_ciphered_attribute'
app/models/repository.rb:92:in `password='
lib/redmine/ciphering.rb:74:in `block (2 levels) in encrypt_all'
lib/redmine/ciphering.rb:72:in `block in encrypt_all'
lib/redmine/ciphering.rb:71:in `encrypt_all'
test/unit/lib/redmine/ciphering_test.rb:87:in `block in test_encrypt_all'
lib/redmine/configuration.rb:77:in `with'
test/unit/lib/redmine/ciphering_test.rb:86:in `test_encrypt_all'

6) Error:
Redmine::CipheringTest#test_password_should_be_encrypted:
ArgumentError: key must be 32 bytes
lib/redmine/ciphering.rb:32:in `key='
lib/redmine/ciphering.rb:32:in `encrypt_text'
lib/redmine/ciphering.rb:100:in `write_ciphered_attribute'
app/models/repository.rb:92:in `password='
test/unit/lib/redmine/ciphering_test.rb:24:in `block in test_password_should_be_encrypted'
lib/redmine/configuration.rb:77:in `with'
test/unit/lib/redmine/ciphering_test.rb:23:in `test_password_should_be_encrypted'

7) Error:
Redmine::CipheringTest#test_decrypt_all:
ArgumentError: key must be 32 bytes
lib/redmine/ciphering.rb:32:in `key='
lib/redmine/ciphering.rb:32:in `encrypt_text'
lib/redmine/ciphering.rb:100:in `write_ciphered_attribute'
app/models/repository.rb:92:in `password='
test/unit/lib/redmine/ciphering_test.rb:97:in `block in test_decrypt_all'
lib/redmine/configuration.rb:77:in `with'
test/unit/lib/redmine/ciphering_test.rb:96:in `test_decrypt_all'
```

4364 runs, 25207 assertions, 3 failures, 4 errors, 3 skips

## #5 - 2017-02-23 03:32 - Go MAEDA

We have to use Nokogiri >= 1.7.0 to fix "FixNum is deprecated" warning. (<https://github.com/sparklemotion/nokogiri/issues/1565>)

```
diff --git a/Gemfile b/Gemfile
index bb8ba53..f9a5dbc 100644
--- a/Gemfile
+++ b/Gemfile
@@ -15,7 +15,7 @@ gem "actionpack-xml_parser"
  gem "roadie-rails"
  gem "mimemagic"

-gem "nokogiri", "~> 1.6.8"
+gem "nokogiri", (RUBY_VERSION >= "2.1" ? ">= 1.7.0" : "~> 1.6.8")
  gem "i18n", "~> 0.7.0"

# Request at least rails-html-sanitizer 1.0.3 because of security advisories
</diff>
```

#### #6 - 2017-02-27 16:08 - Go MAEDA

- File *ruby-2\_4-support.diff* added

This is a patch to support ruby 2.4: attachment:ruby-2\_4-support.diff

- Fixed "Fixnum is deprecated" warning from nokogiri
- s/FixNum/Integer/ in test/unit/query\_test.rb
- Fixed "key must be 32 bytes" error from OpenSSL::Cipher

#### #7 - 2017-02-27 16:46 - Go MAEDA

Go MAEDA wrote:

This is a patch to support ruby 2.4: attachment:ruby-2\_4-support.diff

Sorry, I withdraw this patch. I have found compatibility problem in Redmine::Cipherring.encrypt\_text / Redmine::Cipherring.decrypt\_text.

#### #8 - 2017-02-28 07:17 - Go MAEDA

- File *deleted (ruby-2\_4-support.diff)*

#### #9 - 2017-02-28 07:19 - Go MAEDA

- File *0001-Ruby-2.4-Fixed-Fixnum-is-deprecated-warning-of-nokog.patch* added
- File *0002-Ruby-2.4-Fixed-key-must-be-32-bytes-error-of-OpenSSL.patch* added
- File *0003-Ruby-2.4-Fixed-Fixnum-is-deprecated-warning-in-Query.patch* added

Updated patches.

#### #10 - 2017-02-28 20:08 - Jean-Philippe Lang

- Target version changed from Candidate for next major release to 3.4.0

#### #11 - 2017-03-02 23:50 - Jean-Philippe Lang

Fix committed and ruby2.4 added to the [CI server](#), thanks.

#### #12 - 2017-03-03 18:32 - Jean-Philippe Lang

- Status changed from New to Closed
- Assignee set to Jean-Philippe Lang
- Resolution set to Fixed

Tests pass on the CI server.

#### #13 - 2017-03-29 08:23 - Go MAEDA

- Related to Defect #25460: Redmine 3.3.2 db:migrate terminate with cryptic error message added

#### #14 - 2020-10-22 11:26 - Go MAEDA

- Related to Patch #34153: Use sum instead of inject(0, :+) added

#### #15 - 2020-10-22 11:26 - Go MAEDA

- Related to deleted (Patch #34153: Use sum instead of inject(0, :+))

## Files

---

0001-Ruby-2.4-Fixed-Fixnum-is-deprecated-warning-of-nokog.patch	694 Bytes	2017-02-28	Go MAEDA
0002-Ruby-2.4-Fixed-key-must-be-32-bytes-error-of-OpenSSL.patch	1.7 KB	2017-02-28	Go MAEDA
0003-Ruby-2.4-Fixed-Fixnum-is-deprecated-warning-in-Query.patch	2.11 KB	2017-02-28	Go MAEDA