Redmine - Defect #13270

Using mysql2 doesn't need mysql gem

2013-02-24 08:50 - Daniel Black

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Database	**Estimated time:**	0.00 hour
Target version:			
Resolution:	Fixed	**Affected version:**	

Description

Doing a install wanted mysql even though all database.yml entries were mysql2.

version r11458

```
About your application's environment
Ruby version              1.9.3 (x86_64-linux)
RubyGems version          1.8.25
Rack version              1.4
Rails version             3.2.12
Active Record version     3.2.12
Action Pack version       3.2.12
Active Resource version   3.2.12
Action Mailer version     3.2.12
Active Support version    3.2.12
Middleware                Rack::Cache, ActionDispatch::Static, Rack::Lock, #<ActiveSupport::Cache:
:Strategy::LocalCache::Middleware:0x00000003b09818>, Rack::Runtime, Rack::MethodOverride, ActionDi
spatch::RequestId, Rails::Rack::Logger, ActionDispatch::ShowExceptions, ActionDispatch::DebugExcep
tions, ActionDispatch::RemoteIp, ActionDispatch::Callbacks, ActiveRecord::ConnectionAdapters::Conn
ectionManagement, ActiveRecord::QueryCache, ActionDispatch::Cookies, ActionDispatch::Session::Cook
ieStore, ActionDispatch::Flash, ActionDispatch::ParamsParser, ActionDispatch::Head, Rack::Conditio
nalGet, Rack::ETag, ActionDispatch::BestStandardsSupport, OpenIdAuthentication
Application root          /usr/local/redmine-new/redmine-2.2-git
Environment               production
Database adapter          mysql2
Database schema version   20121026003537


--- a/Gemfile
+++ b/Gemfile
@@ -44,9 +44,10 @@ if File.exist?(database_file)
   if adapters.any?
     adapters.each do |adapter|
       case adapter
+      when /mysql2/
+        gem "mysql2", "~> 0.3.11", :platforms => [:mri_19, :mingw_19]
       when /mysql/
         gem "mysql", "~> 2.8.1", :platforms => [:mri_18, :mingw_18]
-        gem "mysql2", "~> 0.3.11", :platforms => [:mri_19, :mingw_19]
         gem "activerecord-jdbcmysql-adapter", :platforms => :jruby
       when /postgresql/
         gem "pg", ">= 0.11.0", :platforms => [:mri, :mingw]
```

don't know if jruby activerecord-jdbcmysql-adapter is needed/available on mysql2.

Associated revisions

Revision 11494 - 2013-02-28 18:20 - Jean-Philippe Lang

Distinguish mysql/mysql2 adapters in Gemfile (#13270).

History

#1 - 2013-02-25 14:08 - Toshi MARUYAMA

/mysql/ is regexp. "mysql" and "mysql2" are matched.

#2 - 2013-02-25 23:54 - Daniel Black

Toshi MARUYAMA wrote:

> /mysql/ is regexp. "mysql" and "mysql2" are matched.

yes. However only the first is matched. in irb:

```
irb(main):007:0> case 'mysql2'
irb(main):008:1> when /mysql2/
irb(main):009:1> puts 'mysql2'
irb(main):010:1> when /mysql/
irb(main):011:1> puts 'mysql'
irb(main):012:1> end
mysql2
=> nil
```

In the gem file also only mysql2 was pulled in.

#3 - 2013-02-26 00:45 - Toshi MARUYAMA

```
['mysql2', 'mysql'].each do |adapter|
  case adapter
  when /mysql/
    puts adapter
  end
end

$ ruby test.rb
mysql2
mysql
```

#4 - 2013-02-26 08:18 - Toshi MARUYAMA

- Description updated

fix typo.

#5 - 2013-02-26 12:34 - Etienne Massip

- Status changed from New to Closed

Daniel Black wrote:

> Doing a install wanted mysql even though all database.yml entries were mysql2.

This does not make sense, why would you require mysql in deps if you only set up mysql2 adapter in your database configuration?

#6 - 2013-02-26 13:00 - Daniel Black

- Status changed from Closed to Reopened

Etienne Massip wrote:

> Daniel Black wrote:
>
> > Doing a install wanted mysql even though all database.yml entries were mysql2.
>
> This does not make sense, why would you require mysql in deps if you only set up mysql2 adapter in your database configuration?

I didn't want mysql there, the Gemfile wanted it installed. I agree it doesn't make sense and hence the whole point of this bug report and the patch to try to fix it. Maybe /mysql^/ is needed in my first in line patch instead of /mysql/. I just haven't had a chance to test this yet.

#7 - 2013-02-26 15:34 - Etienne Massip

Daniel Black wrote:

> I didn't want mysql there, the Gemfile wanted it installed.

Ok, got it. It installed mysql because you are running ruby 1.8 but you want mysql2. Just curious, why would you need mysql2 with 1.8?

> Maybe /mysql^/ is needed in my first in line patch instead of /mysql/. I just haven't had a chance to test this yet.

Yes, or don't use regex ('mysql').

#8 - 2013-02-27 04:47 - Mischa The Evil

Etienne Massip wrote:

> Daniel Black wrote:
>
> > I didn't want mysql there, the Gemfile wanted it installed.
>
> Ok, got it. It installed mysql because you are running ruby 1.8 but you want mysql2. Just curious, why would you need mysql2 with 1.8?

Looking at the environment info provided in the description, Daniel is not running ruby 1.8. Instead he is running on ruby 1.9; hence his use of mysql2. A question that comes up to me is whether he is running *both* ruby 1.8 and 1.9? That could might explain why both mysql and mysql2 gems are installed...

#9 - 2013-02-27 05:12 - Daniel Black

Mischa The Evil wrote:

> Etienne Massip wrote:
>
> > Daniel Black wrote:
> >
> > > I didn't want mysql there, the Gemfile wanted it installed.
> >
> > Ok, got it. It installed mysql because you are running ruby 1.8 but you want mysql2. Just curious, why would you need mysql2 with 1.8?
>
> Looking at the environment info provided in the description, Daniel is not running ruby 1.8. Instead he is running on ruby 1.9; hence his use of mysql2.

yes

> A question that comes up to me is whether he is running *both* ruby 1.8 and 1.9?

I'm faily sure the rvm environment I have has successfully isolated the ruby-1.9 instance from the system ruby-1.8 in path precedence and RUBY_VERSION and GEM_PATH. I haven't seen the code that determines :mri_18 / :mri_19. ruby18 is still in the path if that gets checked.

> That could might explain why both mysql and mysql2 gems are installed...

It could. I had missed the version tags previously.

#10 - 2013-02-27 09:10 - Toshi MARUYAMA

Simple question: Why do you want to install mysql adapter on Ruby 1.9?
There are many trouble feedback of mysql adapter on Ruby 1.9 about character encoding.

#11 - 2013-02-27 12:18 - Daniel Black

Toshi MARUYAMA wrote:

> Simple question: Why do you want to install mysql adapter on Ruby 1.9?

Etienne already asked in comment 5. I answered in comment 6. I don't want mysql adapter installed and have configured mysql2 already (initial bug report) and would rather it didn't install mysql adapter. I'll be more verbose about my intent and expectations in future bug reports, particularly the ones I actually care about like #13287.

Thanks for your fixes in r11489 and r11490. That should be quite sufficient even if it doesn't quite automaticly detect which of the Ruby versions I have installed is really being used. Its really not worth spending too much time fixing this relatively minor issue.

> There are many trouble feedback of mysql adapter on Ruby 1.9 about character encoding.

good to know.

#12 - 2013-02-27 12:54 - Etienne Massip

Daniel Black wrote:

> Toshi MARUYAMA wrote:
>
> > Simple question: Why do you want to install mysql adapter on Ruby 1.9?
>
> Etienne already asked in comment 5.

Actually I asked for the opposite question (but it's quite the same in the end): why do you want to install mysql2 adapter on Ruby 1.8?

> Thanks for your fixes in [r11489](#) and [r11490](#).

These commits are unrelated, they're about minimal support of Ruby 2.0.

> I don't want mysql adapter installed and have configured mysql2 already (initial bug report) and would rather it didn't install mysql adapter

I personnally understood that you wrote the exact opposite with Doing a install wanted mysql even though all database.yml entries were mysql2. :|

> Its really not worth spending too much time fixing this relatively minor issue.

There's no issue from our POV: with Ruby 1.8 it will install mysql and with 1.9, mysql2.

Sorry if I repeat myself or what others already said, but are you sure it installed mysql gem with Ruby 1.9?

#13 - 2013-02-28 18:24 - Jean-Philippe Lang

- Tracker changed from Patch to Defect

- Subject changed from using mysql2 doesn't need mysql gem to Using mysql2 doesn't need mysql gem

- Status changed from Reopened to Closed

- Resolution set to Fixed

This should be fixed in [r11494](#). gem "mysql" is no longer called when using the mysql2 adapter.

#14 - 2013-02-28 22:29 - Daniel Black

thankyou

#15 - 2013-03-01 10:36 - Etienne Massip

- Status changed from Closed to Reopened

Why change?

Excerpt of AR-JDBC adapter Readme:

```
Configure your database.yml in the normal Rails style.
Legacy configuration: If you use one of the convenience activerecord-jdbcXXX-adapter adapters, you can still p
ut a 'jdbc' prefix in front of the database adapter name e.g. :

development:
  adapter: jdbcmysql
  username: blog
  password:
  host: localhost
  database: weblog_development
```

We can't use jdbcmysql name anymore with [r11494](#) but activerecord-jdbcmysql-adapter is a dependency in Gemfile?

#16 - 2013-03-01 11:16 - Jean-Philippe Lang

The 'jdbc' prefix is not required, you can just set adapter: mysql.

#17 - 2018-03-31 08:58 - Go MAEDA

- Status changed from Reopened to Closed

Jean-Philippe Lang wrote:

> The 'jdbc' prefix is not required, you can just set adapter: mysql.

And current versions of Redmine don't support jruby any longer.