

Redmine - Defect #33121

IssueQuery not usable from plugins

2020-03-10 15:00 - Stefan Rinkes

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Plugin API	Estimated time:	0.00 hour
Target version:		Affected version:	4.1.0
Resolution:	Duplicate		

Description

I'm currently working on updating some plugins for the usage with Redmine 4.1.0.

And noticed I cannot init Redmine while my plugins are already located in plugins-folder.

I stripped it down to an patch for IssueQuery included in the plugin.

Here's a minimal plugin to trigger the issue:

```
require 'redmine'

module RedmineA
  module IssueQueryPatch
  end

  module ProjectPatch
  end
end

Rails.configuration.to_prepare do
  unless Project.included_modules.include? RedmineA::ProjectPatch
    Project.send(:include, RedmineA::ProjectPatch)
  end

  unless IssueQuery.included_modules.include? RedmineA::IssueQueryPatch
    IssueQuery.send(:include, RedmineA::IssueQueryPatch)
  end
end

Redmine::Plugin.register :redmine_a do
  name 'Redmine Test Plugin'
  author 'Stefan Rinkes'
  description 'To show IssueQuery-Patch failure'
  version '0.0.0'
end
```

Place this as /usr/src/redmine/plugins/redmine_a/init.rb and try to create a brand new database.

```
# rake db:create
W, [2020-03-10T14:00:19.875929 #12605] WARN -- : Creating scope :system. Overwriting existing method
Enumeration.system.
```

```
W, [2020-03-10T14:00:19.905024 #12605] WARN -- : Creating scope :sorted. Overwriting existing method Group.sorted.
W, [2020-03-10T14:00:19.949338 #12605] WARN -- : Creating scope :sorted. Overwriting existing method User.sorted.
rake aborted!
ActiveRecord::NoDatabaseError: Unknown database 'redmine_test'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/mysql2_adapter.rb:26:in `rescue in
mysql2_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/mysql2_adapter.rb:12:in
`mysql2_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:830:in
`new_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:874:in
`checkout_new_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:853:in
`try_to_checkout_new_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:814:in
`acquire_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:538:in
`checkout'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:382:in
`connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:1033:in
`retrieve_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_handling.rb:118:in `retrieve_connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_handling.rb:90:in `connection'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:466:in `load_schema'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/attributes.rb:234:in `load_schema'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/attribute_decorators.rb:51:in `load_schema'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:459:in `block in load_schema'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:456:in `load_schema'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:336:in `columns_hash'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/inheritance.rb:78:in `descends_from_active_record?'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/inheritance.rb:84:in `finder_needs_type_condition?'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/core.rb:287:in `relation'
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/scoping/default.rb:34:in `unscoped'
/usr/src/redmine/app/models/user.rb:822:in `anonymous'
/usr/src/redmine/app/models/user.rb:816:in `current'
/usr/src/redmine/app/models/query.rb:91:in `groupable'
/usr/src/redmine/app/models/query.rb:31:in `initialize'
/usr/src/redmine/app/models/issue_query.rb:36:in `new'
/usr/src/redmine/app/models/issue_query.rb:36:in `'
/usr/src/redmine/app/models/issue_query.rb:20:in `'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:291:in `require'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:291:in `block in require'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:257:in `load_dependency'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:291:in `require'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:378:in `block in require_or_load'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:37:in `block in load_interlock'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies/interlock.rb:14:in `block in loading'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/concurrency/share_lock.rb:151:in `exclusive'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies/interlock.rb:13:in `loading'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:37:in `load_interlock'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:356:in `require_or_load'
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:510:in `load_missing_constant'
```

```
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:195:in `const_missing'  
/usr/src/redmine/plugins/redmine_a/init.rb:16:in `block in <top (required)>'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:426:in `instance_exec'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:426:in `block in make_lambda'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:198:in `block (2 levels) in halting'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:606:in `block (2 levels) in default_terminator'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:605:in `catch'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:605:in `block in default_terminator'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:199:in `block in halting'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:513:in `block in invoke_before'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:513:in `each'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:513:in `invoke_before'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:131:in `run_callbacks'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/reloader.rb:89:in `prepare!'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application/finisher.rb:63:in `block in <module:Finisher>'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:32:in `instance_exec'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:32:in `run'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:61:in `block in run_initializers'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:60:in `run_initializers'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:361:in `initialize!'  
/usr/src/redmine/config/environment.rb:16:in `<top (required)>'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:337:in `require'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:337:in `require_environment!'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:520:in `block in run_tasks_blocks'  
/usr/local/bundle/gems/rake-13.0.1/exe/rake:27:in `<top (required)>'
```

Caused by:

Mysql2::Error: Unknown database 'redmine_test'

```
/usr/local/bundle/gems/mysql2-0.5.3/lib/mysql2/client.rb:90:in `connect'  
/usr/local/bundle/gems/mysql2-0.5.3/lib/mysql2/client.rb:90:in `initialize'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/mysql2_adapter.rb:22:in `new'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/mysql2_adapter.rb:22:in  
`mysql2_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:830:in  
`new_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:874:in  
`checkout_new_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:853:in  
`try_to_checkout_new_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:814:in  
`acquire_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:538:in  
`checkout'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:382:in  
`connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_adapters/abstract/connection_pool.rb:1033:in  
`retrieve_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_handling.rb:118:in `retrieve_connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/connection_handling.rb:90:in `connection'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:466:in `load_schema!'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/attributes.rb:234:in `load_schema!'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/attribute_decorators.rb:51:in `load_schema!'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:459:in `block in load_schema!'
```

```
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:456:in `load_schema'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/model_schema.rb:336:in `columns_hash'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/inheritance.rb:78:in `descends_from_active_record?'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/inheritance.rb:84:in `finder_needs_type_condition?'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/core.rb:287:in `relation'  
/usr/local/bundle/gems/activerecord-5.2.4.1/lib/active_record/scoping/default.rb:34:in `unscoped'  
/usr/src/redmine/app/models/user.rb:822:in `anonymous'  
/usr/src/redmine/app/models/user.rb:816:in `current'  
/usr/src/redmine/app/models/query.rb:91:in `groupable'  
/usr/src/redmine/app/models/query.rb:31:in `initialize'  
/usr/src/redmine/app/models/issue_query.rb:36:in `new'  
/usr/src/redmine/app/models/issue_query.rb:36:in `'  
/usr/src/redmine/app/models/issue_query.rb:20:in `'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:291:in `require'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:291:in `block in require'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:257:in `load_dependency'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:291:in `require'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:378:in `block in require_or_load'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:37:in `block in load_interlock'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies/interlock.rb:14:in `block in loading'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/concurrency/share_lock.rb:151:in `exclusive'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies/interlock.rb:13:in `loading'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:37:in `load_interlock'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:356:in `require_or_load'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:510:in `load_missing_constant'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/dependencies.rb:195:in `const_missing'  
/usr/src/redmine/plugins/redmine_a/init.rb:16:in `block in <top (required)>'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:426:in `instance_exec'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:426:in `block in make_lambda'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:198:in `block (2 levels) in halting'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:606:in `block (2 levels) in default_terminator'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:605:in `catch'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:605:in `block in default_terminator'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:199:in `block in halting'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:513:in `block in invoke_before'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:513:in `each'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:513:in `invoke_before'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/callbacks.rb:131:in `run_callbacks'  
/usr/local/bundle/gems/activesupport-5.2.4.1/lib/active_support/reloader.rb:89:in `prepare!'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application/finisher.rb:63:in `block in <module:Finisher>'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:32:in `instance_exec'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:32:in `run'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:61:in `block in run_initializers'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/initializable.rb:60:in `run_initializers'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:361:in `initialize!'  
/usr/src/redmine/config/environment.rb:16:in `'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:337:in `require'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:337:in `require_environment!'  
/usr/local/bundle/gems/railties-5.2.4.1/lib/rails/application.rb:520:in `block in run_tasks_blocks'  
/usr/local/bundle/gems/rake-13.0.1/exe/rake:27:in `'
```

Tasks: TOP => db:create => db:load_config => environment

(See full trace by running task with --trace)

Removing the plugin will let you create the database and works flawlessly once the database is there.

Related issues:

Duplicates Redmine - Defect # 33290: Unnecessary database access when IssueQu...

Closed

History

#1 - 2021-01-14 15:02 - Ko Nagase

Well, I encountered almost the same issue in our plugin.

(Note that Redmine 4.0-stable branch is no problem.)

#2 - 2021-01-15 02:41 - Jens Krämer

As a workaround catching ActiveRecord::NoDatabaseError in the to_prepare block should do the trick.

#3 - 2021-01-16 03:03 - Ko Nagase

Well, catching ActiveRecord::NoDatabaseError solved the rake db:create issue,

but when executing rake db:drop (without rake db:migrate), I encountered the following error on PostgreSQL database.

```
rake aborted!
```

```
ActiveRecord::StatementInvalid: PG::UndefinedTable: ERROR: relation "users" does not exist
```

```
LINE 8:         WHERE a.attrelid = "users"::regclass
```

```
          ^
```

```
:      SELECT a.attname, format_type(a.atttypid, a.atttypmod),
         pg_get_expr(d.adbin, d.adrelid), a.attnotnull, a.atttypid, a.atttypmod,
         c.collname, col_description(a.attrelid, a.attnum) AS comment
FROM pg_attribute a
LEFT JOIN pg_attrdef d ON a.attrelid = d.adrelid AND a.attnum = d.adnum
LEFT JOIN pg_type t ON a.atttypid = t.oid
LEFT JOIN pg_collation c ON a.attcollation = c.oid AND a.attcollation <> t.typcollation
WHERE a.attrelid = "users"::regclass
      AND a.attnum > 0 AND NOT a.attisdropped
ORDER BY a.attnum
```

```
:
```

I confirmed that applying the following redmine core patch solved the both rake db:create and rake db:drop case, but is this acceptable way ?

```
--- a/app/models/query.rb
+++ b/app/models/query.rb
@@ -87,7 +87,9 @@ end
class TimestampQueryColumn < QueryColumn
  def groupable
    if @groupable
-     Redmine::Database.timestamp_to_date(sortable, User.current.time_zone)
+     if ActiveRecord::Base.connection_pool.connected? and ActiveRecord::Base.connection.table_exists?(:users)
+       Redmine::Database.timestamp_to_date(sortable, User.current.time_zone)
+     end
    end
  end
end
```

#4 - 2021-01-16 05:36 - Kevin Fischer

#33290 is related to this and the patch attached there should solve this problem, too

#5 - 2021-01-24 22:59 - Marius BALTEANU

- Related to Defect #33290: Unnecessary database access when IssueQuery class is defined added

#6 - 2021-01-24 23:00 - Marius BALTEANU

- Target version set to 4.1.2

Assign this to version:"4.1.2" in order to be review together with #33290. It seems to be the same problem.

#7 - 2021-01-24 23:01 - Marius BALTEANU

- Assignee set to Jean-Philippe Lang

#8 - 2021-03-15 22:24 - Marius BALTEANU

- Target version changed from 4.1.2 to 4.2.0

#9 - 2021-03-18 19:21 - Marius BALTEANU

- Related to deleted (Defect #33290: Unnecessary database access when IssueQuery class is defined)

#10 - 2021-03-18 19:21 - Marius BALTEANU

- Duplicates Defect #33290: Unnecessary database access when IssueQuery class is defined added

#11 - 2021-03-18 19:21 - Marius BALTEANU

- Assignee deleted (Jean-Philippe Lang)

- Target version deleted (4.2.0)

- Resolution set to Duplicate

Closing this in favour of #33290.

#12 - 2021-03-18 19:22 - Marius BALTEANU

Please watch the related issue for updates.

#13 - 2021-03-19 06:21 - Go MAEDA

- Status changed from New to Closed

Committed the fix. Thank you for your contribution.