

Redmine - Defect #33206

Unable to autoload constant Version.table_name if gems uses Version class

2020-03-29 08:59 - Alexander Meindl

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Gems support	Estimated time:	0.00 hour
Target version:	4.1.2	Affected version:	
Resolution:	Fixed		
Description			
Introduced with r18780 Version.table_name is not available, if a gem package (like attr_encrypted) is used with a class named "Version".			
At the moment this problem does not exist with Gem packages from Redmine itself, but gems from plugins.			
Existing tests are broken, e.g.			
<pre>bin/rails test test/unit/project_test.rb -n test_move_a_root_project_to_a_project # Running: E Error: ProjectTest#test_move_a_root_project_to_a_project: NoMethodError: undefined method `table_name' for AttrEncrypted::Version:Module app/models/issue.rb:1739:in `update_versions' app/models/issue.rb:1385:in `update_versions_from_hierarchy_change' app/models/project.rb:935:in `update_versions_from_hierarchy_change' app/models/project.rb:424:in `set_parent!' test/unit/project_test.rb:316:in `test_move_a_root_project_to_a_project'</pre>			
Similar problem was #23269 . A better description of the problem with examples are here: https://stackoverflow.com/questions/21115567/autoloading-classes-using-class-self-in-rails			
I added a patch for a more solid solution to prevent the problem. It would be great to have this change in Redmine.			

Associated revisions

Revision 20760 - 2021-03-03 15:39 - Go MAEDA

Unable to autoload constant Version.table_name if gems use Version class (#33206).

Patch by Alexander Meindl.

Revision 20761 - 2021-03-04 01:42 - Go MAEDA

Merged r20760 from trunk to 4.1-stable (#33206).

History

#1 - 2020-03-29 09:33 - Alexander Meindl

- File `full_qualified_version_class_version2.patch` added

I added another version of patch, which uses Rails 5 where.not and Arel::Table. With this solution, no more table name specification is required.

Both solutions work, but second one is more cleaner - but more refactoring.

#2 - 2021-03-01 15:58 - Go MAEDA

- Tracker changed from Patch to Defect

- Status changed from New to Confirmed

- Target version set to Candidate for next minor release

Steps to reproduce the issue:

```
echo gem \"attr_encrypted\" >> Gemfile.local  
bundle install  
bin/rails test test/unit/project_test.rb -n test_move_a_root_project_to_a_project
```

#3 - 2021-03-01 18:48 - Pavel Rosický

I think the first variant should be preferred, see <https://github.com/rails/rails/issues/36761>

#4 - 2021-03-02 03:25 - Go MAEDA

- Target version changed from Candidate for next minor release to 4.0.8

I will commit the former patch, [full_qualified_version_class.patch](#) soon.

#5 - 2021-03-03 15:39 - Go MAEDA

- Status changed from Confirmed to Resolved

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patch. Thank you for reporting and fixing the issue.

#6 - 2021-03-04 01:44 - Go MAEDA

- Status changed from Resolved to Closed

- Target version changed from 4.0.8 to 4.1.2

Files

full_qualified_version_class.patch	858 Bytes	2020-03-29	Alexander Meindl
full_qualified_version_class_version2.patch	1.46 KB	2020-03-29	Alexander Meindl