

## Redmine - Defect #33206

### Unable to autoload constant Version.table\_name if gems uses Version class

2020-03-29 08:59 - Alexander Meindl

|   |              |                          |           |
|---|--------------|--------------------------|-----------|
| <b>Status:</b>  | Closed       | <b>Start date:</b>       |           |
| <b>Priority:</b>  | Normal       | <b>Due date:</b>         |           |
| <b>Assignee:</b>  | Go MAEDA     | <b>% Done:</b>           | 0%        |
| <b>Category:</b>  | Gems support | <b>Estimated time:</b>   | 0.00 hour |
| <b>Target version:</b>  | 4.1.2        | <b>Affected version:</b> |           |
| <b>Resolution:</b>  | Fixed        |                          |           |
| <b>Description</b>  |              |                          |           |
| <p>Introduced with r18780 Version.table_name is not available, if a gem package (like <a href="#">attr_encrypted</a>) is used with a class named "Version".</p> <p>At the moment this problem does not exist with Gem packages from Redmine itself, but gems from plugins.</p> <p>Existing tests are broken, e.g.</p> <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> <p>Similar problem was #23269. A better description of the problem with examples are here:<br/><a href="https://stackoverflow.com/questions/21115567/autoloading-classes-using-class-self-in-rails">https://stackoverflow.com/questions/21115567/autoloading-classes-using-class-self-in-rails</a></p> <p>I added a patch for a more solid solution to prevent the problem. It would be great to have this change in Redmine.</p> |              |                          |           |

#### 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, attachment: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**

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|   |           |            |                  |
|---|-----------|------------|------------------|
| 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 |