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

2020-03-29 08:59 - Alexander Meindl

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.

```bash
bin/rails test test/unit/project_test.rb -n test_move_a_root_project_to_a_project
```

# Running:

```
E
```

```ruby
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'
```

Similar problem was #23269. A better description of the problem with examples are here:

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

2024-04-14
Steps to reproduce the issue:

```bash
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](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

<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>full_qualified_version_class.patch</td>
<td>858 Bytes</td>
<td>2020-03-29</td>
<td>Alexander Meindl</td>
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<tr>
<td>full_qualified_version_class_version2.patch</td>
<td>1.46 KB</td>
<td>2020-03-29</td>
<td>Alexander Meindl</td>
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