

Redmine - Defect #36361

IssueRelationsControllerTest#test_bulk_create_should_show_errors randomly fails

2021-12-27 07:46 - Yuichi HARADA

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Code cleanup/refactoring	Estimated time:	0.00 hour
Target version:	5.0.0	Affected version:	
Resolution:	Fixed		

Description

The test will be always failed if the following conditions are met:

- using trunk([r21326](#))
- Run the test specified a seed value(TESTOPTS="--seed 21802")

```
% RAILS_ENV=test bundle exec rake db:migrate:reset

% RAILS_ENV=test bundle exec rake test TESTOPTS="--seed 21802"
(Test LDAP server not configured)
Bazaar non ASCII output test cannot run on this environment.
Encoding.locale_charmap: UTF-8
Skipping LDAP tests.
Run options: --seed 21802

# Running:

.....F

Failure:
IssueRelationsControllerTest#test_bulk_create_should_show_errors [test/functional/issue_relations_
controller_test.rb:270]:
"IssueRelation.count" didn't change by 3.
Expected: 5
  Actual: 6

rails test test/functional/issue_relations_controller_test.rb:269

.....

Finished in 585.005343s, 9.0649 runs/s, 41.6201 assertions/s.
5303 runs, 24348 assertions, 1 failures, 0 errors, 8 skips
```

Associated revisions

Revision 21363 - 2022-01-13 01:59 - Go MAEDA

Restore the value of Setting.cross_project_issue_relations to prevent random test failures (#36361).

Patch by Yuichi HARADA.

Revision 21364 - 2022-01-13 02:20 - Go MAEDA

Explicitly set Setting.cross_project_issue_relations to prevent random test failure (#36361).

History

#1 - 2021-12-27 08:19 - Yuichi HARADA

- File 36361.patch added

IssueRelationsControllerTest#test_bulk_create_should_show_errors assumes that Setting.cross_project_issue_relations? is false. When I ran the test, it was true, and although it should have been 3 records registered, 4 records could be registered, so this test failed.

As a result of the investigation, since `Setting.cross_project_issue_relations = '1'` was executed in [source:trunk/test/unit/project_copy_test.rb@21326#L176](#), other It was affecting the test.

After creating a patch like the one below, the test was not failed.

```
diff --git a/test/unit/project_copy_test.rb b/test/unit/project_copy_test.rb
index 50cc1c9c98..91c45f2b10 100644
--- a/test/unit/project_copy_test.rb
+++ b/test/unit/project_copy_test.rb
@@ -173,38 +173,38 @@ class ProjectCopyTest < ActiveSupport::TestCase
  end

  test "#copy should copy issue relations" do
-   Setting.cross_project_issue_relations = '1'
-
-   second_issue = Issue.generate!(:status_id => 5,
-                                   :subject => "copy issue relation",
-                                   :tracker_id => 1,
-                                   :assigned_to_id => 2,
-                                   :project_id => @source_project.id)
-   source_relation = IssueRelation.create!(:issue_from => Issue.find(4),
+   with_settings :cross_project_issue_relations => '1' do
+     second_issue = Issue.generate!(:status_id => 5,
+                                     :subject => "copy issue relation",
+                                     :tracker_id => 1,
+                                     :assigned_to_id => 2,
+                                     :project_id => @source_project.id)
+     source_relation = IssueRelation.create!(:issue_from => Issue.find(4),
+                                             :issue_to => second_issue,
+                                             :relation_type => "relates")
-   source_relation_cross_project = IssueRelation.create!(:issue_from => Issue.find(1),
+   source_relation_cross_project = IssueRelation.create!(:issue_from => Issue.find(1),
+                                                         :issue_to => second_issue,
+                                                         :relation_type => "duplicates")
-
-   assert @project.copy(@source_project)
-   assert_equal @source_project.issues.count, @project.issues.count
-   copied_issue = @project.issues.find_by_subject("Issue on project 2") # Was #4
-   copied_second_issue = @project.issues.find_by_subject("copy issue relation")
-
-   # First issue with a relation on project
-   assert_equal 1, copied_issue.relations.size, "Relation not copied"
-   copied_relation = copied_issue.relations.first
-   assert_equal "relates", copied_relation.relation_type
-   assert_equal copied_second_issue.id, copied_relation.issue_to_id
-   assert_not_equal source_relation.id, copied_relation.id
-
-   # Second issue with a cross project relation
-   assert_equal 2, copied_second_issue.relations.size, "Relation not copied"
-   copied_relation = copied_second_issue.relations.find {|r| r.relation_type == 'duplicates'}
-   assert_equal "duplicates", copied_relation.relation_type
-   assert_equal 1, copied_relation.issue_from_id, "Cross project relation not kept"
-   assert_not_equal source_relation_cross_project.id, copied_relation.id
+     assert @project.copy(@source_project)
+     assert_equal @source_project.issues.count, @project.issues.count
+     copied_issue = @project.issues.find_by_subject("Issue on project 2") # Was #4
+     copied_second_issue = @project.issues.find_by_subject("copy issue relation")
+
+     # First issue with a relation on project
+     assert_equal 1, copied_issue.relations.size, "Relation not copied"
+     copied_relation = copied_issue.relations.first
+     assert_equal "relates", copied_relation.relation_type
+     assert_equal copied_second_issue.id, copied_relation.issue_to_id
+     assert_not_equal source_relation.id, copied_relation.id
+
+     # Second issue with a cross project relation
+     assert_equal 2, copied_second_issue.relations.size, "Relation not copied"
+     copied_relation = copied_second_issue.relations.find {|r| r.relation_type == 'duplicates'}
+     assert_equal "duplicates", copied_relation.relation_type
+     assert_equal 1, copied_relation.issue_from_id, "Cross project relation not kept"
+     assert_not_equal source_relation_cross_project.id, copied_relation.id
+   end
  end

  test "#copy should copy issue attachments" do
```

#2 - 2021-12-27 14:12 - Go MAEDA

I think it is even better to use `with_settings` also in `IssueRelationsControllerTest#test_bulk_create_should_show_errors` for the following reasons:

- We can clearly express that this test expects `Setting.cross_project_issue_relations` to be 0
- It will never be affected by other tests

```
diff --git a/test/functional/issue_relations_controller_test.rb b/test/functional/issue_relations_controller_test.rb
index 099254979..dlbd9e60c 100644
--- a/test/functional/issue_relations_controller_test.rb
+++ b/test/functional/issue_relations_controller_test.rb
@@ -267,16 +267,18 @@ class IssueRelationsControllerTest < Redmine::ControllerTest
  end

  def test_bulk_create_should_show_errors
-   assert_difference 'IssueRelation.count', +3 do
-     post :create, :params => {
-       :issue_id => 1,
-       :relation => {
-         :issue_to_id => '1,2,3,4,5,7',
-         :relation_type => 'relates',
-         :delay => ''
-       }
-     },
-     :xhr => true
+   with_settings :cross_project_issue_relations => '0' do
+     assert_difference 'IssueRelation.count', +3 do
+       post :create, :params => {
+         :issue_id => 1,
+         :relation => {
+           :issue_to_id => '1,2,3,4,5,7',
+           :relation_type => 'relates',
+           :delay => ''
+         }
+       },
+       :xhr => true
+     end
+   end
  end

  assert_response :success
```

#3 - 2021-12-28 01:41 - Yuichi HARADA

Go MAEDA wrote:

I think it is even better to use `with_settings` also in `IssueRelationsControllerTest#test_bulk_create_should_show_errors` for the following reasons:

- We can clearly express that this test expects `Setting.cross_project_issue_relations` to be 0
- It will never be affected by other tests

[...]

You are right. As you write, I also think should fix this test as well.

#4 - 2021-12-28 02:21 - Go MAEDA

- *Category set to Code cleanup/refactoring*
- *Target version set to 5.0.0*

Setting the target version to 5.0.0.

#5 - 2022-01-13 02:21 - Go MAEDA

- *Status changed from New to Closed*
- *Assignee set to Go MAEDA*
- *Resolution set to Fixed*

Committed the patches.

Files
