

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			
<p>The test will be always failed if the following conditions are met:</p> <ul style="list-style-type: none">- using trunk(r21326)- Run the test specified a seed value(TESTOPTS="--seed 21802") <pre>% 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</pre>			

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.

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..d1bd9e60c 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

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

36361.patch	3.9 KB	2021-12-27	Yuichi HARADA
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