Redmine - Defect #36361
IssueRelationsControllerTest#test_bulk_create_should_show_errors randomly fails
2021-12-27 07:46 - Yuichi HARADA

<table>
<thead>
<tr>
<th>Status</th>
<th>Closed</th>
<th>Start date:</th>
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</thead>
<tbody>
<tr>
<td>Priority</td>
<td>Normal</td>
<td>Due date:</td>
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<tr>
<td>Assignee</td>
<td>Go MAEDA</td>
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<tr>
<td>Category</td>
<td>Code cleanup/refactoring</td>
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<tr>
<td>Target version</td>
<td>5.0.0</td>
<td>% Done:</td>
<td>0%</td>
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<tr>
<td>Resolution</td>
<td>Fixed</td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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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.
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 @@
     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("
-    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

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

def test_bulk_create_should_show_errors
-  assert_difference 'IssueRelation.count', +3 do
-    post :create, :params => {
+    assert_difference 'IssueRelation.count', +3 do
+      post :create, :params => {

2022-03-26
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.

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<td>3.9</td>
<td>2021-12-27</td>
<td></td>
<td>Yuichi HARADA</td>
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