

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.

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

     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
