Remove references to deleted user from "user"-Format CustomFields

When a user record is destroyed, custom field values for custom fields with field_format == 'user' referencing the destroyed user are left unchanged.

This leads to problems with queries on such a custom field when using either the none or any operators, since these match against custom_values.value (not) being null or "" - records that have the destroyed user's ID set will not turn up in the none query, but in the any query, despite being displayed with an empty value in the UI.

The attached patch adds a test case and addresses the issue by removing custom_values records that reference the destroyed user.

Associated revisions

Revision 21207 - 2021-09-06 20:30 - Marius BĂLTEANU
Remove references to deleted user from "user"-Format CustomFields when destroying an user (#32977).

Patch by Jens Krämmer.

Revision 21208 - 2021-09-06 20:33 - Marius BĂLTEANU
Use ids instead of pluck(:id) (#32977).

History

#1 - 2020-02-10 10:14 - Go MAEDA
- Target version set to Candidate for next minor release

#2 - 2020-02-10 10:48 - Marius BĂLTEANU
We shouldn't add a migration to remove the existing orphaned values?

#3 - 2020-02-10 14:56 - Jens Krämmer
we should indeed do that. I'll take care of that tomorrow.

#4 - 2020-02-11 06:29 - Jens Krämmer
- File 0001-removes-references-to-deleted-users-in-custom-field-.patch added
here's a new patch including a migration to delete already existing orphaned values.

#5 - 2020-02-11 07:03 - Go MAEDA
- Target version changed from Candidate for next minor release to Candidate for next major release
The patch cannot be committed for minor releases because it has a migration.

#6 - 2020-02-18 03:59 - Go MAEDA
- Assignee set to Jean-Philippe Lang
- Target version changed from Candidate for next major release to 4.2.0
Setting the target version to 4.2.0.

#7 - 2021-03-23 21:47 - Marius BĂLTEANU
- Target version changed from 4.2.0 to 5.0.0

#8 - 2021-08-10 22:18 - Marius BĂLTEANU
- Status changed from New to Needs feedback
- Assignee changed from Jean-Philippe Lang to Jens Krämer

Jens, I've reviewed the patch and it looks good to me, except the test that fails:

```ruby
diff --git a/test/unit/user_test.rb b/test/unit/user_test.rb
index e2dec070c..42011f759 100644
--- a/test/unit/user_test.rb
+++ b/test/unit/user_test.rb
@@ -1336,7 +1336,7 @@ class UserTest < ActiveSupport::TestCase
    assert cv2b = cv2.detect{|cv| cv.value == @dlopper.id.to_s}
-    assert_difference->{CustomValue.count}, -2 do
+    assert_difference->{CustomValue.count}, -3 do
       @jsmith.destroy
   end
```

generates 3 entries in CustomValue (one for each user) and we should expect 3 less custom values when the user jsmith is destroyed.

I think the problem is in the test because the following update:

```ruby
issue.update(custom_field_values:
    {
        cf1.id => @jsmith.id,
        cf2.id => [@dlopper.id, @jsmith.id]
    })
```

Since we delete jsmith (but not dlopper), the custom value for @dlopper should not be affected. I have no clue why the test fails for you though.

#9 - 2021-08-24 09:24 - Jens Krämer
I just tried and it passes here (MySQL 5.6, Ruby 2.6).

Since we delete jsmith (but not dlopper), the custom value for @dlopper should not be affected. I have no clue why the test fails for you though.

#10 - 2021-09-04 13:30 - Marius BĂLTEANU
- Assignee changed from Jens Krämer to Marius BĂLTEANU

Jens Krämer wrote:

```
I just tried and it passes here (MySQL 5.6, Ruby 2.6).
Since we delete jsmith (but not dlopper), the custom value for @dlopper should not be affected. I have no clue why the test fails for you though.
```

Thanks, you're right, user @dlopper should not be affected, I will take again a look. It doesn't fail only on my local environment, it fails also on the custom Gitlab CI.

#11 - 2021-09-04 13:30 - Marius BĂLTEANU
- Status changed from Needs feedback to New
Jens Krämer wrote:

Since we delete jsmith (but not dlopper), the custom value for @dlopper should not be affected. I have no clue why the test fails for you though.

The number of CustomValue decreases with 3 not because of those 3 values that are added during the tests (as I wrongly said first time), but because @jsmith user has also a CustomValue of type User (CustomValue#3) which is deleted as well when user is destroyed.

Jens, it should fail also on your environment if you use the default Redmine fixtures.

I'm going to change the user in the tests and I will commit this fix.

#13 - 2021-09-06 20:34 - Marius BĂLTEANU
- Status changed from New to Resolved

#14 - 2021-09-06 20:35 - Marius BĂLTEANU
Patch committed, thank you.
I've updated the tests to assert -3 custom values and I added a comment.

#15 - 2021-09-06 22:56 - Marius BĂLTEANU
- Status changed from Resolved to Closed

#16 - 2022-03-27 04:58 - Go MAEDA
- Tracker changed from Patch to Defect

#17 - 2023-05-08 03:46 - Go MAEDA
- Has duplicate Feature #8443: Removing CustomValue with related User object added

Files

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