Redmine - Defect #36940

Chained custom field filter doesn't work for User fields

2022-04-12 18:43 - Thomas Löber

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:	Marius BĂLTEANU	**% Done:**	0%
Category:	Filters	**Estimated time:**	0.00 hour
Target version:	4.2.8		
Resolution:	Fixed	**Affected version:**	4.2.5

Description

A chained custom field filter doesn't work for fields with format *User*.

Steps to reproduce:

1. Create a **user** custom field **A** (the format doesn't matter) and check *Used as a filter*
2. Create an **issue** custom field **B** with format **User** and check *Used as a filter*
3. On the *My account* page set the custom value **A** for your own account to an arbitrary value
4. Create an issue and select **<<me>>** for the custom field **B**
5. Filter the issue list by the filter **B's A** and use the value you set on the *My account* page

Expected result:

- The issue is found

Actual result:

- The issue is not found

The reason is that the SQL that filters the issues contains a WHERE customized_type='User'. However, the correct clause would be WHERE customized_type='Principal'.

Here is a patch to fix the issue:

```
--- a/app/models/query.rb
+++ b/app/models/query.rb
@@ -1166,7 +1166,7 @@ class Query < ActiveRecord::Base
     end

     filter = available_filters[field]
-    target_class = filter[:through].format.target_class
+    target_class = filter[:through].format.target_class.base_class

     "#{queried_table_name}.id #{not_in} IN (" +
       "SELECT customized_id FROM #{CustomValue.table_name}" +
```

Best regards,
Thomas

Associated revisions

Revision 21686 - 2022-06-27 20:04 - Marius BĂLTEANU

Fix chained custom field filter doesn't work for User fields (#36940).

Patch by Thomas Löber.

Revision 21687 - 2022-06-27 20:05 - Marius BĂLTEANU

Add test for #37349.

Revision 21690 - 2022-06-28 08:49 - Marius BĂLTEANU

Merged r21686 and r21687 to 5.0-stable (#36940).

Revision 21691 - 2022-06-28 08:49 - Marius BĂLTEANU

Merged r21686 and r21687 to 4.2-stable (#36940).

History

#1 - 2022-04-14 15:44 - Go MAEDA

- *Status changed from New to Confirmed*

#2 - 2022-04-15 10:55 - Go MAEDA

- *Target version set to Candidate for next minor release*

#3 - 2022-06-25 21:23 - Marius BĂLTEANU

- *File 0001-Fix-chained-custom-field-filter-doesn-t-work-for-Use.patch added*

I'm not sure if we should that change for all classes, maybe we will break some plugins.

What do you think about the attached change?

#4 - 2022-06-25 22:45 - Thomas Löber

I don't think it's necessary to differentiate between User and other classes.

base_class is an ActiveRecord class method and returns exactly the class, whose name is stored in the customized_type column, i.e. the base model for the STI models, if any:

```
User.base_class => Principal
Issue.base_class => Issue
```

#5 - 2022-06-25 23:35 - Marius BĂLTEANU

- *Target version changed from Candidate for next minor release to 4.2.8*

I thought that maybe some plugins developers will add some custom fields that extend a base class and they don't want to filter after the base class.

#6 - 2022-06-27 20:06 - Marius BĂLTEANU

- *Status changed from Confirmed to Resolved*

- *Assignee set to Marius BĂLTEANU*

- *Resolution set to Fixed*

Patch posted by Thomas committed with a test.

#7 - 2022-06-27 20:08 - Marius BĂLTEANU

Test committed in r21687 is for this issue, not for #37349.

#8 - 2022-06-28 08:50 - Marius BĂLTEANU

- *Status changed from Resolved to Closed*

Files

0001-Fix-chained-custom-field-filter-doesn-t-work-for-Use.patch	2.04 KB	2022-06-25	Marius BĂLTEANU