

## Redmine - Defect #36940

### Chained custom field filter doesn't work for User fields

2022-04-12 18:43 - Thomas Löber

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Marius BALTEANU	<b>% Done:</b>	0%
<b>Category:</b>	Filters	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.2.8	<b>Affected version:</b>	4.2.5
<b>Resolution:</b>	Fixed		

#### 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 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 BALTEANU

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

Patch by Thomas Löber.

**Revision 21687 - 2022-06-27 20:05 - Marius BALTEANU**

Add test for #37349.

**Revision 21690 - 2022-06-28 08:49 - Marius BALTEANU**

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

**Revision 21691 - 2022-06-28 08:49 - Marius BALTEANU**

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

## History

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**#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 BALTEANU**

- *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 BALTEANU**

- *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 BALTEANU**

- Status changed from *Confirmed* to *Resolved*

- Assignee set to *Marius BALTEANU*

- Resolution set to *Fixed*

Patch posted by Thomas committed with a test.

**#7 - 2022-06-27 20:08 - Marius BALTEANU**

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

**#8 - 2022-06-28 08:50 - Marius BALTEANU**

- Status changed from *Resolved* to *Closed*

**Files**

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