

## Redmine - Defect #8371

### MySQL error when filtering a custom field using the REST api

2011-05-13 20:05 - Bruno Bigras

<b>Status:</b>	Closed	<b>Start date:</b>	2011-05-13
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	REST API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.3.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
MySQL 5.1.41 Redmine 1.1.3 ruby 1.8.7 rails 2.3.5			
I created a custom field named 'sha1' (text format), 0 to 40 length.			
I tested it with a dumb value 'aaa' and it worked fine with <a href="http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=aaa">http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=aaa</a>			
I had an error when I tried to use it with a real sha1 hash.			
I was able to reproduce the problem when trying to filter with a value of 'c' but it worked with 'a' and 'b'. <a href="http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=a">http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=a</a> <-- works <a href="http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=b">http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=b</a> <-- works <a href="http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=c">http://myhost/redmine/issues.xml?project_id=5&amp;cf_1=c</a> <-- doesn't works			
I get from the log:			
<pre>Processing IssuesController#index to xml (for 10.1.10.240 at 2011-05-13 13:43:19) [GET]   Parameters: {"format"=&gt;"xml", "project_id"=&gt;"5", "action"=&gt;"index", "controller"=&gt;"issues", "cf_1"=&gt;"c"}</pre>			
<pre>Query::StatementInvalid: Mysql::Error: You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ') AND projects.id = 5 AND projects.status=1 AND projects.id IN (SELECT em.projec' at line 1:</pre>			
There's no condition after the <b>where</b> at line 14. (note that I indented the query myself).			
<pre>SELECT count(DISTINCT `issues`.id) AS count_all FROM `issues` LEFT OUTER JOIN `issue_statuses` ON `issue_statuses`.id = `issues`.status_id LEFT OUTER JOIN `projects` ON `projects`.id = `issues`.project_id WHERE   ((issue_statuses.is_closed=0) AND   issues.id IN (     SELECT issues.id     FROM issues     LEFT OUTER JOIN custom_values ON       custom_values.customized_type='Issue' AND       custom_values.customized_id=issues.id AND       custom_values.custom_field_id=1     WHERE   ) AND   projects.id = 5 AND   projects.status=1 AND   projects.id IN (SELECT em.project_id FROM enabled_modules em WHERE em.name='issue_tracking'))</pre>			

#### Associated revisions

### Revision 7624 - 2011-10-13 01:45 - Etienne Massip

Fixed shot filter expression parsing depending upon field operators (#8371).

### Revision 7625 - 2011-10-13 08:18 - Etienne Massip

Removed test part failing with PostgreSQL (#8371).

### Revision 7627 - 2011-10-13 08:42 - Etienne Massip

Restored valid test part removed with r7625 (#8371).

### Revision 7628 - 2011-10-18 19:51 - Etienne Massip

Filter out illegal values to prevent raise of PostgreSQL exceptions, restored last test part removed with r7625 (#8371).

## History

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### #1 - 2011-05-13 20:28 - Bruno Bigras

Also note that the sha1 I was trying to use with the filter also began with the letter 'c'.

### #2 - 2011-05-19 16:37 - Bruno Bigras

- File *2013\_fix\_custom\_field\_filter.patch* added

I figured out that the regex at [query.rb#L270](http://www.redmine.org/projects/redmine/repository/entry/trunk/app/models/query.rb#L270) (line 3 here) removes the 'c' (and other letters) from the filter value.

```
def add_short_filter(field, expression)
  return unless expression
  params = expression.scan(/^(o|c|!|\*|!|\*)?(.*)$/).first
  add_filter field, (params[0] || "="), [params[1] || ""]
end
```

<http://www.redmine.org/projects/redmine/repository/entry/trunk/app/models/query.rb#L270>

Here's a diff that fixes my problem. I guess a better solution would be to only use the regex when it's needed.

```
Index: redmine-1.1.3/app/models/query.rb
=====
--- redmine-1.1.3.orig/app/models/query.rb      2011-04-29 05:33:42.000000000 -0400
+++ redmine-1.1.3/app/models/query.rb          2011-05-19 10:00:21.265646521 -0400
@@ -254,8 +254,13 @@

```

```
def add_short_filter(field, expression)
  return unless expression
-  params = expression.scan(/^(o|c|!|\*|!|\*)?(.*)$/).first
-  add_filter field, (params[0] || "="), [params[1] || ""]
+  if field =~ /^cf_(\d+)$/
+    # custom field
+    add_filter field, "=", [expression]
+  else
+    params = expression.scan(/^(o|c|!|\*|!|\*)?(.*)$/).first
+    add_filter field, (params[0] || "="), [params[1] || ""]
+  end
end
```

### #3 - 2011-05-19 17:28 - Etienne Massip

- Target version set to Candidate for next minor release

Nice catch !

### #4 - 2011-05-20 15:08 - Etienne Massip

- File *short\_filters\_regexp.patch* added

Tried to write a more generic patch.

### #5 - 2011-05-20 15:23 - Etienne Massip

- File *short\_filters\_regexp.patch* added

Previous patch was incomplete.

**#6 - 2011-05-20 15:23 - Etienne Massip**

- File deleted (*short\_filters\_regexps.patch*)

**#7 - 2011-05-20 19:26 - Bruno Bigras**

Etienne Massip wrote:

Previous patch was incomplete.

The patch seems to work perfectly. I'll report back if I have any problem later.

Thanks!

**#8 - 2011-10-13 09:38 - Etienne Massip**

- Target version changed from *Candidate for next minor release* to *1.3.0*

BTW I'm not sure it's worth it to maintain such complexity in request arguments processing as there is another way to do so (via `f[]`, `o[]`, and `v[]` arguments), maybe should we stick to handling equality.

I'm Ok with reverting these changes if needed.

**#9 - 2011-10-17 18:07 - Etienne Massip**

- Status changed from *New* to *Resolved*

- Resolution set to *Fixed*

**#10 - 2011-10-19 20:20 - Etienne Massip**

- File *filter\_out\_illegal\_query\_filter\_values.patch* added

I reverted [r7628](#) because of failing tests in QueryTest unit test.

The tests failed because the values used in applied filters are not values that are displayed in the issue query form.

I attach the patch for history.

Anyway, the commit was not immediatly related to this issue, which remains Fixed.

**#11 - 2011-11-13 10:24 - Jean-Philippe Lang**

- Status changed from *Resolved* to *Closed*

**Files**

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2013_fix_custom_field_filter.patch	770 Bytes	2011-05-19	Bruno Bigras
short_filters_regexps.patch	4.21 KB	2011-05-20	Etienne Massip
filter_out_illegal_query_filter_values.patch	1.98 KB	2011-10-19	Etienne Massip