

## Redmine - Defect #20438

### Subject filter doesn't work with non ASCII uppercase symbols

2015-07-29 18:07 - Alexandr Raz

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	Issues	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.2.0	<b>Affected version:</b>	3.0.4
<b>Resolution:</b>	Fixed		
<b>Description</b>			
<p>If you search by containing cyrillic uppercase symbols, you get empty result. The query for search looks like</p> <p>when "~"</p> <pre>sql = "LOWER(#{db_table}.#{db_field}) LIKE '%#{self.class.connection.quote_string(value.first.to_s.downcase)}%'"</pre> <p>but ruby function downcase works only with latin symbols.</p> <p>We add special private method:</p> <pre>def like_operator(content)   if Redmine::Database.postgresql?     "ILIKE '%#{content}%' "   else     "LIKE LOWER(#{content})"   end end</pre> <p>and override method sql_for_field</p> <p>when "~"</p> <pre>sql = "LOWER(#{db_table}.#{db_field}) #{like_operator(self.class.connection.quote_string(value.first.to_s.downcase))}"</pre> <p>when "!~"</p> <pre>sql = "LOWER(#{db_table}.#{db_field}) NOT #{like_operator(self.class.connection.quote_string(value.first.to_s.downcase))}"</pre>			
<b>Related issues:</b>			
Related to Redmine - Defect #3536: Case sensitivity in Issue filtering		Closed	2009-06-25

#### Associated revisions

##### Revision 14476 - 2015-08-02 10:32 - Jean-Philippe Lang

Query doesn't work with non ASCII uppercase symbols (#20438).

#### History

##### #1 - 2015-07-30 01:17 - Toshi MARUYAMA

What db do you use?

If it is SQLite3, it does not work ([r13760](#)).

##### #2 - 2015-07-30 01:21 - Toshi MARUYAMA

- Status changed from New to Needs feedback

##### #3 - 2015-07-30 10:39 - Alexandr Raz

I'm using postgresql. I have a small experience with SQLite. How can I improve it?

##### #4 - 2015-07-30 13:19 - Toshi MARUYAMA

- Category changed from Search engine to Database

##### #5 - 2015-07-30 13:30 - Toshi MARUYAMA

- Subject changed from Search form doesn't work with cyrillic uppercase symbols. to Issue query doesn't work with non ASCII uppercase symbols.

- Category changed from Database to Issues
- Status changed from Needs feedback to New
- Target version set to 3.2.0

**#6 - 2015-07-30 13:35 - Toshi MARUYAMA**

- Subject changed from Issue query doesn't work with non ASCII uppercase symbols. to Query doesn't work with non ASCII uppercase symbols.
- Category deleted (Issues)
- Target version deleted (3.2.0)

**#7 - 2015-07-30 13:41 - Toshi MARUYAMA**

- Related to Defect #3536: Case sensitivity in Issue filtering added

**#8 - 2015-07-30 13:48 - Toshi MARUYAMA**

Please post by patch. I am confused with "query" and "search".  
Please add tests like [r2796](#) and [r13767](#).

**#9 - 2015-08-02 09:26 - Jean-Philippe Lang**

- Target version set to 3.1.1

**#10 - 2015-08-02 10:32 - Jean-Philippe Lang**

- Subject changed from Query doesn't work with non ASCII uppercase symbols. to Subject filter doesn't work with non ASCII uppercase symbols
- Category set to Issues
- Status changed from New to Closed
- Assignee set to Jean-Philippe Lang
- Target version changed from 3.1.1 to 3.2.0
- Resolution set to Fixed

Fixed in [r14476](#).