

Redmine - Defect #1608

Case-insensitive search

2008-07-09 15:05 - Denis Tomashenko

Status:	Closed	Start date:	2008-07-09
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Search engine	Estimated time:	0.00 hour
Target version:		Affected version:	
Resolution:	Invalid		
Description			
Case-insensitive search doesn't work, but it would be great.			

History

#1 - 2008-07-09 18:48 - Jean-Philippe Lang

- Tracker changed from Patch to Defect

#2 - 2008-07-09 18:55 - Jean-Philippe Lang

Please give redmine, database, ruby, rails... versions as requested in [SubmittingBugs](#).

Case-insensitive search works here:

<http://www.redmine.org/search/index/redmine?q=caSe+inSEnSiTiVe>

#3 - 2008-07-09 19:44 - Denis Tomashenko

Jean-Philippe Lang wrote:

Please give redmine, database, ruby, rails... versions as requested in [SubmittingBugs](#).

Sorry...

Redmine 0.7.devel [r1643](#)

Apache 2.2.8

MySQL 5.0.51a

Subversion 1.5.0

Ruby 1.8.6

Rails 2.1.0

RubyGems 1.0.1

#4 - 2008-07-09 19:54 - Denis Tomashenko

May be non latin characters?

#5 - 2008-07-09 23:12 - Thomas Löber

What is the character set and collation of your database?

```
mysql> show variables like 'character_set%';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| character_set_client | utf8 |
| character_set_connection | utf8 |
| character_set_database | utf8 |
| character_set_filesystem | binary |
| character_set_results | utf8 |
| character_set_server | utf8 |
| character_set_system | utf8 |
| character_sets_dir | /usr/share/mysql/charsets/ |
+-----+-----+
```

```
mysql> show variables like 'collation%';
+-----+-----+
| Variable_name | Value |
+-----+-----+
```

```

+-----+-----+
| collation_connection | utf8_general_ci |
| collation_database   | utf8_general_ci |
| collation_server     | utf8_general_ci |
+-----+-----+

```

**#6 - 2008-07-10 11:34 - Denis Tomashenko**

I sorry again...  
MySQL 5.0.45

Variable_name	Value	=====	character_set_client	latin1
		-----+		
character_set_connection	latin1			
character_set_database	latin1			
character_set_filesystem	binary			
character_set_results	latin1			
character_set_server	latin1			
character_set_system	utf8			
collation_connection	latin1_swedish_ci			
collation_database	latin1_swedish_ci			
collation_server	latin1_swedish_ci			

latin1... May be this is a problem?  
But all characters in Redmine show correctly.

**#7 - 2008-07-28 14:15 - Denis Tomashenko**

- Status changed from New to Resolved

After converting data in UTF8 case insensitive search work fine.  
But in search results founded words (non latin characters) is not highlighted. For latin characters all ok.  
This is a bug?

**#8 - 2009-02-19 19:50 - Jean-Philippe Lang**

- Status changed from Resolved to Closed  
- Resolution set to Invalid

Please submit a detailed ticket about the last problem you mentionned if needed.

**#9 - 2009-05-26 10:59 - Dmitry K**

How can i make case insensitive search with redmine installation on windows server?

**#10 - 2011-05-26 07:55 - Alex A**

I have the same problem for postgresql, and i solve it by patching file search\_controller.rb.  
I've add this

```

like_tokens = @tokens.collect {|w| "%#{Unicode::downcase(w)}%" }
r, c = s.singularize.camelcase.constantize.search(like_tokens, projects_to_search,

```

instead of

```

r, c = s.singularize.camelcase.constantize.search(@tokens, projects_to_search,

```

For working you must install gem package unicode (gem install unicode) and add in the top of file search\_controller.rb

```

require 'unicode'

```

#### #11 - 2014-08-06 17:24 - Ilya Turkin

Hello,

can i try to reopen it?

I want to admit that the issue contains in version 2.4.6. It can be fixed in lib/plugins/acts\_as\_searchable/lib/acts\_as\_searchable.rb by adding mb\_chars:

```
tokens_conditions = [sql, * (tokens.collect {|w| "%#{w.mb_chars.downcase}%" } * token_clauses.size).sort]
```

Redmine version 2.4.6.stable.13231  
Ruby version 1.9.2-p290 (2011-07-09) [x86\_64-linux]  
Rails version 3.2.19

#### #12 - 2014-08-06 18:27 - Toshi MARUYAMA

Ilya Turkin wrote:

Ruby version 1.9.2-p290 (2011-07-09) [x86\_64-linux]

Too old.

#### #13 - 2014-08-07 09:17 - Ilya Turkin

Hi, Toshi,

ruby version does not matter in the case because String#downcase is working only with ASCII symbols at latest ruby version too:

```
downcase → new_str
```

Returns a copy of str with all uppercase letters replaced with their lowercase counterparts.  
The operation is locale insensitive—only characters “A” to “Z” are affected.  
Note: case replacement is effective only in ASCII region.

```
"hEllo".downcase ==> "hello"
```

See [ruby 2.1 String#downcase](#) if you please.

#### #14 - 2014-08-07 10:16 - Toshi MARUYAMA

I see. But, case sensitivity depends heavily on Ruby version and DB adapter.  
We cannot test on such too old Ruby version.  
See <http://www.redmine.org/builds/index.html>.

#### #15 - 2014-08-07 17:29 - Ilya Turkin

OK, so if I understand you right when I start to use a shiny new ruby version you will fix it? If it is I move my production to new ruby version next week and come back, OK? :)

#### #16 - 2014-08-07 18:11 - Toshi MARUYAMA

Ilya Turkin wrote:

OK, so if I understand you right when I start to use a shiny new ruby version you will fix it?

I welcome you to post patch which includes tests for all Redmine support DB and Ruby version.

If it is I move my production to new ruby version next week and come back, OK? :)

Please create new issue.