

Redmine - Defect #25416

"My account" broken with MySQL 8.0 (keyword admin should be escaped)

2017-03-23 12:46 - Michael Medin

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Jean-Philippe Lang	% Done:	0%
Category:	Database	Estimated time:	0.00 hour
Target version:	3.4.0	Affected version:	3.3.2
Resolution:	Fixed		

Description

Clicking "My account" when using a mysql database gives the following error:

```
Completed 500 Internal Server Error in 383ms (ActiveRecord: 12.9ms)
```

```
ActionView::Template::Error (Mysql2::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
'admin = 1 AND id <> 4) LIMIT 1' at line 1:
SELECT 1 AS one FROM `users` WHERE `users`.`type` IN ('User', 'AnonymousUser') AND `users`.`status` = 1 AND (admin = 1 AND id <> 4) LIMIT 1):
 3: <p><%=l(:field_login)%>: <strong><%= link_to_user(@user, :format => :username) %></strong><
br />
 4: <%=l(:field_created_on)%>: <%= format_time(@user.created_on) %></p>
 5:
 6: <% if @user.own_account_deletable? %>
 7:   <p><%= link_to(l(:button_delete_my_account), {:action => 'destroy'}, :class => 'icon icon
-del') %></p>
 8: <% end %>
 9:
app/models/user.rb:687:in `own_account_deletable?'
app/views/my/_sidebar.html.erb:6:in `_app_views_my__sidebar_html_erb___2869233383891145181_70035
919334040'
app/views/my/account.html.erb:57:in `block in _app_views_my_account_html_erb___43019261504722925
74_70036033743920'
app/views/my/account.html.erb:56:in `_app_views_my_account_html_erb___4301926150472292574_700360
33743920'
lib/redmine/sudo_mode.rb:63:in `sudo_mode'
```

The fix is to add escapings `` for the admin keyword in the sql query like so:

```
[extmcm@ux310tas001 ~]$ diff user.rb user_fixed.rb
114d113
< validates_length_of :identity_url, maximum: 255
687c686
<   (!admin? || User.active.where("admin = ? AND id <> ?", true, id).exists?)
---
>   (!admin? || User.active.where("`admin` = ? AND id <> ?", true, id).exists?)
```

Associated revisions

Revision 16449 - 2017-04-03 08:49 - Jean-Philippe Lang

Adds a User.admin scope (#25416).

History

#1 - 2017-03-23 15:54 - Toshi MARUYAMA

- Status changed from New to Needs feedback

- Priority changed from Urgent to Normal

What MySQL version do you use?

#2 - 2017-03-23 16:37 - Michael Medin

Version 8...

```
sudo docker run --detach \  
  --name redmine-mysql \  
  --env MYSQL_ROOT_PASSWORD=REPLACE_WITH_ROOT_PASSWORD \  
  --env MYSQL_DATABASE=redmine \  
  mysql:8
```

```
sudo docker run --detach \  
  --name redmine \  
  --publish 80:3000 \  
  --link redmine-mysql:mysql \  
  redmine
```

#3 - 2017-03-23 16:49 - Toshi MARUYAMA

- Status changed from Needs feedback to Closed
- Resolution set to Invalid

Please contact docker provider.

#4 - 2017-03-23 18:18 - Michael Medin

Huh?

The error was from redmine. Dockerinfo was to help easily replicate the error...
Not sure why it would be related to docker?
Or is mysql 8 not supported?

ADMIN is a reserved keyword in MYSQL 8: <https://dev.mysql.com/doc/refman/8.0/en/keywords.html>

#5 - 2017-03-23 18:19 - Michael Medin

- Status changed from Closed to Reopened

reopening as this is still a bug in redmine as far as I am concerned...

#6 - 2017-03-24 01:05 - Go MAEDA

- Subject changed from "My account" broken with mysql (keyword admin should be escaped on mysql database) to "My account" broken with mysql (keyword admin should be escaped on MySQL 8.0)
- Category changed from Accounts / authentication to Database
- Resolution deleted (Invalid)

Michael Medin wrote:

ADMIN is a reserved keyword in MYSQL 8: <https://dev.mysql.com/doc/refman/8.0/en/keywords.html>

Thank you for pointing it out.

Unfortunately current versions of Redmine don't support MySQL 8.0. Please use MySQL 5.0 - 5.5 for now.
<http://www.redmine.org/projects/redmine/wiki/RedmineInstall#Supported-database-back-ends>

#7 - 2017-03-24 14:26 - udom bunma

- File 20757.jpg added

#8 - 2017-03-24 16:34 - Toshi MARUYAMA

- File deleted (20757.jpg)

#9 - 2017-03-25 13:06 - Go MAEDA

"admin" is reserved word in SQL 99 and MySQL.
Should we change column name? (e.g. "admin" to "is_admin")

#10 - 2017-03-26 06:05 - Go MAEDA

- File 0001-Fixed-SQL-99-reserved-word-admin-conflict.patch added

- Target version set to Candidate for next major release

This is a patch to fix a conflict with SQL-99 reserved word by renaming the column "admin" to "is_admin".

The reason for using alias_attribute in the patch is to keep compatibility with existing plugins which call User#admin? method.

#11 - 2017-03-26 06:40 - Toshi MARUYAMA

- Target version changed from Candidate for next major release to 4.1.0

#12 - 2017-03-27 11:03 - Go MAEDA

- Target version changed from 4.1.0 to 3.4.0

Since this issue is critical, I think it would be better to deliver this fix as soon as possible.

Setting target version to 3.4.0.

#13 - 2017-04-03 08:50 - Jean-Philippe Lang

- Status changed from Reopened to Closed

- Assignee set to Jean-Philippe Lang

- Resolution set to Fixed

I won't rename the column because `admin` is now a reserved word in mysql (BTW I don't see it in the list of SQL99 reserved words). [r16449](#) fixes the error on my account for Mysql 8 by escaping the column name.

#14 - 2017-04-03 08:56 - Go MAEDA

Jean-Phillipe, thanks for much smarter solution!

#15 - 2017-06-25 14:08 - Jean-Philippe Lang

- Subject changed from "My account" broken with mysql (keyword admin should be escaped on MySQL 8.0) to "My account" broken with MySQL 8.0 (keyword admin should be escaped)

Files

0001-Fixed-SQL-99-reserved-word-admin-conflict.patch	6.82 KB	2017-03-26	Go MAEDA
--	---------	------------	----------