

Invalid query returned from Issues.visible scope after accessing User#projects_by_role with a role that is not present

2022/05/09 16:19 - Admin Redmine

ステータス:	Closed	開始日:	2022/05/09
優先度:	通常	期日:	
担当者:		進捗率:	0%
カテゴリ:	Issues_2	予定工数:	0.00時間
対象バージョン:	2.1.0_47	作業時間:	0.00時間
Redmineorg_URL:	https://www.redmine.org/issues/11662	status_id:	5
category_id:	2	tracker_id:	1
version_id:	47	plus1:	0
issue_org_id:	11662	affected_version:	
author_id:	61798	closed_on:	
assigned_to_id:	1	affected_version_id:	52
comments:	6		

説明

I was seeing an issue with some users getting a 500 error from their 'My Page' view. The stack trace showed a mysql query error, with the offending part being:

```
... OR projects.id IN () ...
```

After some digging I discovered the problem was entering from the Project.allowed_to_condition when looping of the user.project_by_role list the user didn't have any projects specified with the given role. See attached patch.

rake about output:

About your application's environment

```
Ruby version      1.9.3 (x86_64-linux)
RubyGems version  1.8.24
Rack version      1.4
Rails version     3.2.6
Active Record version  3.2.6
Action Pack version  3.2.6
Active Resource version 3.2.6
Action Mailer version 3.2.6
Active Support version 3.2.6
Middleware        Rack::Cache, ActionDispatch::Static, Rack::Lock, #
ActiveSupport::Cache::Strategy::LocalCache::Middleware=0x00000002271f30, Rack::Runtime, Rack::MethodOverride,
ActionDispatch::RequestId, Rails::Rack::Logger, ActionDispatch::ShowExceptions, ActionDispatch::DebugExceptions,
ActionDispatch::RemoteIp, ActionDispatch::Callbacks, ActiveRecord::ConnectionAdapters::ConnectionManagement,
ActiveRecord::QueryCache, ActionDispatch::Cookies, ActionDispatch::Session::CookieStore, ActionDispatch::Flash,
RedmineDmsf::NoParse, ActionDispatch::ParamsParser, ActionDispatch::Head, Rack::ConditionalGet, Rack::ETag,
ActionDispatch::BestStandardsSupport, OpenIdAuthentication
Application root  /opt/redmine
Environment       production
Database adapter  mysql2
Database schema version 20120422150750
```

journals

Could you please provide a less technical description and steps to reproduce?

I guess the less technical description would be: "some users get a 500 error when trying to view 'My Page'" and the following error is in the log:

```
ActionView::Template::Error (Mysql2::Error: You have an error in your SQL syntax; check the manual that corresponds to MySQL server version for the right syntax to use near '')) AND (issues.project_id in (1,2,5,6,7,8,9,10,11,12,14,154) _date>' at line 1: SELECT `issues`.`id` AS t0_r0, `issues`.`tracker_id` AS t0_r1, `issues`.`project_id` AS t0_r2, `issues`.`
```

```

S t0_r3, `issues`.`description` AS t0_r4, `issues`.`due_date` AS t0_r5, `issues`.`category_id` AS t0_r6, `issues`.`status_id`
r7, `issues`.`assigned_to_id` AS t0_r8, `issues`.`priority_id` AS t0_r9, `issues`.`fixed_version_id` AS t0_r10, `issues`.`author
AS t0_r11, `issues`.`lock_version` AS t0_r12, `issues`.`created_on` AS t0_r13, `issues`.`updated_on` AS t0_r14, `issues`.`s
ate` AS t0_r15, `issues`.`done_ratio` AS t0_r16, `issues`.`estimated_hours` AS t0_r17, `issues`.`parent_id` AS t0_r18, `iss
oot_id` AS t0_r19, `issues`.`lft` AS t0_r20, `issues`.`rgt` AS t0_r21, `issues`.`is_private` AS t0_r22, `issues`.`position` A
, `issues`.`remaining_hours` AS t0_r24, `issues`.`story_points` AS t0_r25, `projects`.`id` AS t1_r0, `projects`.`name` AS t
projects`.`description` AS t1_r2, `projects`.`homepage` AS t1_r3, `projects`.`is_public` AS t1_r4, `projects`.`parent_id` AS t1
projects`.`created_on` AS t1_r6, `projects`.`updated_on` AS t1_r7, `projects`.`identifier` AS t1_r8, `projects`.`status` AS t1
projects`.`lft` AS t1_r10, `projects`.`rgt` AS t1_r11, `projects`.`dmsf_description` AS t1_r12, `trackers`.`id` AS t2_r0, `tra
name` AS t2_r1, `trackers`.`is_in_chlog` AS t2_r2, `trackers`.`position` AS t2_r3, `trackers`.`is_in_roadmap` AS t2_r4, `er
tions`.`id` AS t3_r0, `enumerations`.`name` AS t3_r1, `enumerations`.`position` AS t3_r2, `enumerations`.`is_default` AS t
`enumerations`.`type` AS t3_r4, `enumerations`.`active` AS t3_r5, `enumerations`.`project_id` AS t3_r6, `enumerations`.`pare
id` AS t3_r7, `users`.`id` AS t4_r0, `users`.`login` AS t4_r1, `users`.`hashed_password` AS t4_r2, `users`.`firstname` AS
users`.`lastname` AS t4_r4, `users`.`mail` AS t4_r5, `users`.`admin` AS t4_r6, `users`.`status` AS t4_r7, `users`.`last_login
S t4_r8, `users`.`language` AS t4_r9, `users`.`auth_source_id` AS t4_r10, `users`.`created_on` AS t4_r11, `users`.`updated
AS t4_r12, `users`.`type` AS t4_r13, `users`.`identity_url` AS t4_r14, `users`.`mail_notification` AS t4_r15, `users`.`salt`
16, `users`.`reminder_notification` AS t4_r17 FROM `issues` LEFT OUTER JOIN `projects` ON `projects`.`id` = `issues`.`
d` LEFT OUTER JOIN `trackers` ON `trackers`.`id` = `issues`.`tracker_id` LEFT OUTER JOIN `enumerations` ON `enum
`id` = `issues`.`priority_id` AND `enumerations`.`type` IN ('IssuePriority') LEFT OUTER JOIN `users` ON `users`.`id` =
assigned_to_id` WHERE (((projects.status=1 AND projects.id IN (SELECT em.project_id FROM enabled_modules em WHERE
me='issue_tracking')) AND ((projects.is_public = 1 AND ((issues.is_private = 0 OR issues.author_id = 97 OR issues.assigned
IN (97,6,27,34,42,48,56,68,90,91,98)))) OR (projects.id IN (6,9,7,1,5,154,2,11,12,10,8) AND ((issues.is_private = 0 OR is
thor_id = 97 OR issues.assigned_to_id IN (97,6,27,34,42,48,56,68,90,91,98)))) OR (projects.id IN (14) AND ((issues.is_pri
0 OR issues.author_id = 97 OR issues.assigned_to_id IN (97,6,27,34,42,48,56,68,90,91,98)))) OR projects.id IN ())) AND
project_id in (1,2,5,6,7,8,9,10,11,12,14,154) AND ((start_date>='2012-08-19' and start_date<='2012-08-25') or (due_date>='20
2-08-19' and due_date<='2012-08-25')));

```

1:

```
<%= l(:label_calendar) %>
```

2:

```
3: <% calendar = Redmine::Helpers::Calendar.new(Date.today, current_language, :week)
```

```
4:     calendar.events = Issue.visible.find :all,
```

5:

```
date>=? and start_date<=? or (due_date>=? and due_date<=?))", calendar.startdt, calendar.enddt, calendar.startdt, calendar.e
```

6:

```
:include => [:project, :tracker, :priority, :assigned_to] unless @user.pro
```

7:

```
app/views/my/blocks/_calendar.html.erb:4:in `app_views_my_blocks_calendar_html_erb__2203117175707133972_51672
440'
```

```
app/views/my/page.html.erb:11:in `block in app_views_my_page_html_erb__3004501534925273256_28909740'
```

```
app/views/my/page.html.erb:8:in `each'
```

```
app/views/my/page.html.erb:8:in `app_views_my_page_html_erb__3004501534925273256_28909740'
```

It seems to be happening for users which were not listed as 'Manager' for any project in our configuration. If you were a manager of at least one project, then the error was not seen.

I did some more testing this morning and found that the problem also goes away (without the patch applied and without being a manager of any project) if I move a custom block (from a plugin which provides an alternate calendar view) to the bottom of the page so it is the last thing rendered. The entirety of the code for the block is:

```
<%= l(:label_personal_calendar) %>
```

```
<% calendar = Redmine::Helpers::Calendar.new(Date.today, current_language, :week)
```

```
mgr_projects = User.current.projects_by_role[Role.where(:name => "Manager").first]
```

```
mgr_project_ids = [0]
```

```
mgr_projects.each do |proj|
```

```
mgr_project_ids << proj.id
```

```
end
```

```
watched = Issue.on_active_project.watched_by(User.current.id)
```

```
rest = Issue.where("start_date BETWEEN :start_date AND :end_date OR due_date BETWEEN :start_date AND :end_date
```

```
:start_date => calendar.startdt, :end_date => calendar.enddt)
```

```
.where("author_id = :id OR assigned_to_id IN (:id_list) OR project_id IN (:mgr_list)",
```

```
:id => User.current.id,
```

```
:id_list => [User.current.id] + User.current.group_ids,
```

```
:mgr_list => mgr_project_ids)
```

```
calendar.events = watched + rest;
%>
<%= render :partial => 'common/calendar', :locals => {calendar => calendar } %>
```

Looking at @User#project_by_role@ code, I can't see a way it could return a map containing a key with no values associated.

Could you try with no plugin installed?

If that doesn't change anything, maybe you could try to change source:/tags/2.0.3/app/models/user.rb#L426 @if membership.project@ with @if membership.project.present?@?

This is due to the way @projects_by_role is initialized in User#projects_by_role. Accessing projects_by_role[] with a key that does not exist implicitly creates an empty array as its value, as demonstrated below:

```
irb(main):001:0> a = Hash.new {|h,k| h[k]=[]}
=> {}
irb(main):002:0> a[:foo]
=> []
irb(main):003:0> a
=> {:foo=>[]}
```

This should be fixed by the 2 related commits.

Jean-Philippe Lang wrote:

This is due to the way @projects_by_role is initialized in User#projects_by_role. Accessing projects_by_role[] with a key that does not exist implicitly creates an empty array as its value, as demonstrated below:

Gosh, I didn't know that, thanks for the lesson.

Weird idea though :p

履歴

#1 - 2022/05/10 17:15 - Admin Redmine

- カテゴリ を Issues_2 にセット

- 対象バージョンを 2.1.0_47 にセット