

Redmine - Patch #37565

Performance problem when filtering issues by custom-field value

2022-08-09 15:29 - Vincent Robert

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Performance	Estimated time:	0.00 hour
Target version:			
Description			
Hello			
<p>We noticed a significant impact on performances in the latest versions, after the fix of the issue described in #37255. Some queries, which previously run in a few milliseconds, now take more than 60 seconds ; specifically when filtering issues by custom value.</p>			
<p>Digging into the generated SQL queries, it appears some visibility conditions are duplicated in sub-queries and should, sometimes, be skipped to maintain good performances.</p>			
<p>So, here is a patch to address this issue. Thank you for reviewing it.</p>			
<pre>diff --git a/app/models/issue_custom_field.rb b/app/models/issue_custom_field.rb index 285a0d48c..57e2cc8a7 100644 --- a/app/models/issue_custom_field.rb +++ b/app/models/issue_custom_field.rb @@ -40,6 +40,7 @@ class IssueCustomField < CustomField " OR #{Issue.table_name}.project_id IN (SELECT project_id FROM #{table_name_prefix}custom_f ields_projects#{table_name_suffix} WHERE custom_field_id = #{id_column}) " - "((#{sql}) AND (#{tracker_condition}) AND (#{project_condition}) AND (#{Issue.visible_conditi on(user)}))" + "((#{sql}) AND (#{tracker_condition}) AND (#{project_condition}) AND (#{Issue.visible_conditi on(user, {skip_pre_condition: true}})))" end def validate_custom_field diff --git a/app/models/project.rb b/app/models/project.rb index 2d2ff5748..0992f4c8f 100644 --- a/app/models/project.rb +++ b/app/models/project.rb @@ -178,18 +178,21 @@ class Project < ActiveRecord::Base # * :member => true limit the condition to the user projects def self.allowed_to_condition(user, permission, options={}) perm = Redmine::AccessControl.permission(permission) - base_statement = - if perm && perm.read? + if options[:skip_pre_condition] + base_statement = "1=1" + else + base_statement = if perm && perm.read? + "#{Project.table_name}.status <> #{Project::STATUS_ARCHIVED}" + else + "#{Project.table_name}.status = #{Project::STATUS_ACTIVE}" + end - if !options[:skip_pre_condition] && perm && perm.project_module - # If the permission belongs to a project module, make sure the module is enabled - base_statement += - " AND EXISTS (SELECT 1 AS one FROM #{EnabledModule.table_name} em" \ - " WHERE em.project_id = #{Project.table_name}.id" \ - " AND em.name='#{perm.project_module}')" + if perm && perm.project_module</pre>			

```
+     # If the permission belongs to a project module, make sure the module is enabled
+     base_statement +=
+     " AND EXISTS (SELECT 1 AS one FROM #{EnabledModule.table_name} em" \
+     " WHERE em.project_id = #{Project.table_name}.id" \
+     " AND em.name='#{perm.project_module}')"
+     end
+     end
+     if project = options[:project]
+       project_statement = project.project_condition(options[:with_subprojects])
```

Related issues:

Is duplicate of Redmine - Defect #37268: Performance problem with Redmine 4.2...

Closed

History

#1 - 2022-08-09 15:57 - Vincent Robert

- Description updated

#2 - 2022-08-11 00:35 - Mischa The Evil

- Is duplicate of Defect #37268: Performance problem with Redmine 4.2.7 and 5.0.2 added

#3 - 2022-08-11 00:41 - Mischa The Evil

I am setting this issue as a duplicate because the problem has already been reported as [#37268](#). Please take a look at it and continue any general discussion on the matter on that issue.

P.s. I keep this issue open because it includes a patch which might be discussed separately and independently.

#4 - 2022-08-15 15:24 - Marius BĂLTEANU

Vincent, thanks for providing a fix for this performance issue. Can you take a look also on the latest patch posted by Felix on [#37268](#)?

#5 - 2022-09-26 23:47 - Marius BĂLTEANU

- Status changed from New to Closed

Fix merged to stable branches and the new releases will be published this weekend.

Files

patch.diff	2.27 KB	2022-08-09	Vincent Robert
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