

Redmine - Patch #24839

Minor performance improvement - Replace count by exists?

2017-01-16 14:23 - Vincent Robert

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Jean-Philippe Lang	% Done:	0%
Category:	Performance	Estimated time:	0.00 hour
Target version:	3.4.0		
Description			
When checking to see if a query returns any records, we should use the ActiveRecord exists? method instead of count.			
Here is an example in the versions/show.html.erb file:			
<pre>diff --git a/app/views/versions/show.html.erb b/app/views/versions/show.html.erb index 82bd572..fc22a9f 100644 --- a/app/views/versions/show.html.erb +++ b/app/views/versions/show.html.erb @@ -32,7 +32,7 @@ <% end %> <div id="status_by"> -<%= render_issue_status_by(@version, params[:status_by]) if @version.fixed_issues.count > 0 %> +<%= render_issue_status_by(@version, params[:status_by]) if @version.fixed_issues.exists? %> </div> </div></pre>			
If we compare the generated queries with PostgreSQL:			
<pre>SELECT 1 AS one FROM "issues" WHERE "issues"."fixed_version_id" = ??? LIMIT 1; should be faster than SELECT COUNT(*) FROM "issues" WHERE "issues"."fixed_version_id" = ???;</pre>			
Related issues:			
Related to Redmine - Patch #26728: count > 0 vs exists?			Closed

Associated revisions

Revision 16210 - 2017-01-16 19:11 - Jean-Philippe Lang

Use exists? instead of count (#24839).

Revision 16211 - 2017-01-16 19:12 - Jean-Philippe Lang

Use exists? instead of count (#24839).

Patch by Vincent Robert and Go MAEDA.

History

#1 - 2017-01-16 15:42 - Go MAEDA

- File use-exists-instead-of-count.diff added

Thank you for the patch.

I found three more count which can be replaced with exists?. This is an updated patch: [use-exists-instead-of-count.diff](#)

Although .count > 0 can be found in app/views/imports/show.html.erb too, I have not changed because of cache efficiency (exactly the same query will be performed just after them).

#2 - 2017-01-16 15:57 - Go MAEDA

- File deleted (use-exists-instead-of-count.diff)

#3 - 2017-01-16 15:58 - Go MAEDA

- *File use-exists-instead-of-count.diff added*

Excluded app/models/project.rb from the patch because of cache efficiency.

#4 - 2017-01-16 19:13 - Jean-Philippe Lang

- *Status changed from New to Closed*
- *Assignee set to Jean-Philippe Lang*
- *Target version set to 3.4.0*

Committed, thanks.

#5 - 2018-07-01 06:48 - Go MAEDA

- *Related to Patch #26728: count > 0 vs exists? added*

Files

use-exists-instead-of-count.diff	1.54 KB	2017-01-16	Go MAEDA
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