

## Redmine - Patch #24587

### Improve custom fields list performance

2016-12-12 13:58 - Thomas Löber

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jean-Philippe Lang	<b>% Done:</b>	0%
<b>Category:</b>	Performance	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.4.0		
<b>Description</b>			
The custom fields list displays the number of projects the issue custom field is used in by doing a database query for each custom field:			
<pre>custom_field.projects.count</pre>			
To improve the performance dramatically when there are really lots of issue custom fields the counts should be pre-loaded with a single database query:			
<pre>@custom_fields_projects_count = IssueCustomField.where(is_for_all: false).joins(:projects).group(:custom_field_id).count</pre>			
In the view the counts can then be accessed by:			
<pre>@custom_fields_projects_count[custom_field.id]</pre>			
A patch file is attached.			
Regards, Thomas			

#### Associated revisions

##### Revision 16069 - 2016-12-13 20:46 - Jean-Philippe Lang

Improve custom fields list performance (#24587).

Patch by Thomas Löber.

##### Revision 16070 - 2016-12-13 20:47 - Jean-Philippe Lang

Make it work for 0 projects (#24587).

#### History

##### #1 - 2016-12-12 19:32 - Pavel Rosický

what about a counter cache? custom\_field.projects\_count?

##### #2 - 2016-12-13 20:50 - Jean-Philippe Lang

- Status changed from New to Closed

- Assignee set to Jean-Philippe Lang

- Target version set to 3.4.0

Patch committed with a slight change to handle the case where there are 0 projects that use the field.

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what about a counter cache? custom_field.projects_count?
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Adding a cache counter for that seems a bit overkill to me.

#### Files

custom_fields_projects_count.diff	1.65 KB	2016-12-12	Thomas Löber
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