

Redmine - Defect #42202

SUM of time entries query load issue

2025-02-03 04:47 - Yuvansri Thangavel

<div>Status:Closed</div> <div>Priority:Normal</div> <div>Assignee:</div> <div>Category:Time tracking</div> <div>Target version:</div> <div>Resolution:Fixed</div>	<div>Start date:</div> <div>Due date:</div> <div>% Done:0%</div> <div>Estimated time:0.00 hour</div> <div>Affected version:5.1.0</div>
<div>Description</div> <div><p>SUM of time entries query loading issue</p><p>when, i remove where clause query gets executed quickly.(I know the where clause is important to validate the module is enabled for the project).</p><p>In JOIN clauses, The query validates issue_tracking module is enabled or not.</p><p>again in WHERE Clause, The validation happens for time_tracking module.</p><p>In this case, when join exec happens 4496 columns filtered</p><p>when exec move to LEFT OUTER JOIN, issue_tracking module validation. 1181 rows get filtered.</p><p>Now in where clause another 1181 again.</p><p>(4496 * 1181 * 1181) now of rows examined in query is increased.</p></div> <div><pre>SELECT SUM(`time_entries`.`hours`) FROM `time_entries` INNER JOIN `projects` ON `projects`.`id` = `time_entries`.`project_id` INNER JOIN `enumerations` ON `enumerations`.`id` = `time_entries`.`activity_id` AND `enumerations`.`type` = 'TimeEntryActivity' INNER JOIN `users` ON `users`.`id` = `time_entries`.`user_id` AND `users`.`type` IN ('User', 'AnonymousUser') LEFT OUTER JOIN issues ON issues.id = time_entries.issue_id AND (projects.status IN (1, 5) AND EXISTS (SELECT 1 AS one FROM enabled_modules em WHERE em.project_id = projects.id AND em.name = 'issue_tracking')) WHERE (projects.status IN (1, 5) AND EXISTS (SELECT 1 AS one FROM enabled_modules em WHERE em.project_id = projects.id AND em.name = 'time_tracking'))</pre></div>	
<div>Related issues:</div> <div><div>Related to Redmine - Defect #40728: Slow loading of global spent time list in...</div><div>Closed</div></div>	

History

#1 - 2025-04-08 04:46 - Go MAEDA

- Related to Defect #40728: Slow loading of global spent time list in MySQL added

#2 - 2025-04-08 04:53 - Go MAEDA

- Status changed from New to Needs feedback

Could you please check if applying the changes in [r23609](#) will improve performance?

#3 - 2025-04-09 07:43 - Yuvansri Thangavel

Hi Go MAEDA,
Now i got response with in 5 to 6 seconds avg.

Previously i do some modifications in the code for the quick response. I know it's not a good one
Because, i skip module exist condition validation in time_entry.rb model. Using the below line.

options[:skip_pre_condition] = true; in visible_condition function.

in my case, all my projects must have time entry module. That's why i made this change.
But now i applied your code change. Yep i got quick response now.

Thankyou, so much!

#4 - 2025-04-09 10:33 - Go MAEDA

- Status changed from Needs feedback to Closed

- Resolution set to Fixed

Thank you for your feedback. I am glad to hear that the performance issue was resolved by the change made in [#40728](#).

I am closing this issue.

Files

explain_for_enum.png	78.5 KB	2025-02-03	Yuvansri Thangavel
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