

Redmine - Defect #42203

Time entry details fetch query load issue

2025-02-03 04:56 - Yuvansri Thangavel

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Time tracking	Estimated time:	0.00 hour
Target version:		Affected version:	5.1.0
Resolution:	Fixed		

Description

Time entry details fetch query load issue.

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).

In JOIN clauses, The query validates issue_tracking module is enabled or not.

again in WHERE Clause, The validation happens for time_tracking module.

In this case, when join exec happens 4496 columns filtered

when exec move to LEFT OUTER JOIN, issue_tracking module validation. 1181 rows get filtered.

Now in where clause another 1181 again.

(4496 * 1181 * 1181) now of rows examined in query is inceased.

```
SELECT
  `time_entries`.`id` AS t0_r0,
  `time_entries`.`project_id` AS t0_r1,
  `time_entries`.`author_id` AS t0_r2,
  `time_entries`.`user_id` AS t0_r3,
  `time_entries`.`issue_id` AS t0_r4,
  `time_entries`.`hours` AS t0_r5,
  `time_entries`.`comments` AS t0_r6,
  `time_entries`.`activity_id` AS t0_r7,
  `time_entries`.`spent_on` AS t0_r8,
  `time_entries`.`tyear` AS t0_r9,
  `time_entries`.`tmonth` AS t0_r10,
  `time_entries`.`tweek` AS t0_r11,
  `time_entries`.`created_on` AS t0_r12,
  `time_entries`.`updated_on` AS t0_r13,
  `enumerations`.`id` AS t1_r0,
  `enumerations`.`name` AS t1_r1,
  `enumerations`.`position` AS t1_r2,
  `enumerations`.`is_default` AS t1_r3,
  `enumerations`.`type` AS t1_r4,
  `enumerations`.`active` AS t1_r5,
  `enumerations`.`project_id` AS t1_r6,
  `enumerations`.`parent_id` AS t1_r7,
  `enumerations`.`position_name` AS t1_r8
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'
    )
)
ORDER BY
    time_entries.spent_on DESC,
    time_entries.created_on DESC,
    time_entries.id ASC
LIMIT
    25 OFFSET 0
```

Mysql : 8.0.37
Ruby : 3.2.4
Raile: 7.2.2

Related issues:

Related to Redmine - Defect #40728: Slow loading of global spent time list in...

Closed

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 - 2025-04-08 06:38 - Yuvansri Thangavel

Yes, I'll check and let you know. Thanks for the update.

#4 - 2025-04-09 07:41 - Yuvansri Thangavel

- File *iteration_1.png* added

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!

#5 - 2025-04-09 10:34 - Go MAEDA

- Status changed from Needs feedback to Closed

- Resolution set to Fixed

Thank you for your feedback. This issue was resolved by [#40728](#).

I am closing this issue.

Files

fetch details.png	77.9 KB	2025-02-03	Yuvansri Thangavel
iteration_1.png	125 KB	2025-04-09	Yuvansri Thangavel