Redmine - Defect #23347
MySQL: You can't specify target table for update in FROM clause

Status: Closed
Priority: Normal
Assignee: Jean-Philippe Lang
Category: Database
Target version: 3.4.0
Resolution: Fixed

Description

The down migration for ClearEstimatedHoursOnParentIssues will fail on MySQL (5.6) with the following message:

```
Mysql2::Error: You can't specify target table 'issues' for update in FROM clause: UPDATE `issues` SET estimated_hours = (SELECT SUM(leaves.estimated_hours) FROM issues leaves WHERE leaves.root_id = issues.root_id AND leaves.lft > issues.lft AND leaves.rgt < issues.rgt AND leaves.rgt = leaves.lft + 1) WHERE (rgt > lft + 1)
```

Our quick fix was to explicitly make a temp table instead of referencing the issues table in the subquery:

```
diff --git a/db/migrate/20150525103953_clear_estimated_hours_on_parent_issues.rb b/db/migrate/20150525103953_clear_estimated_hours_on_parent_issues.rb
index 8eed815..c00ada0 100644
--- a/db/migrate/20150525103953_clear_estimated_hours_on_parent_issues.rb
+++ b/db/migrate/20150525103953_clear_estimated_hours_on_parent_issues.rb
@@ -6,7 +6,7 @@ class ClearEstimatedHoursOnParentIssues < ActiveRecord::Migration

def self.down
  table_name = Issue.table_name
-  leaves_sum_select = "SELECT SUM(leaves.estimated_hours) FROM #{table_name} leaves" +
+  leaves_sum_select = "SELECT SUM(leaves.estimated_hours) FROM (SELECT * FROM #{table_name}) AS leaves" +
    " WHERE leaves.root_id = #{table_name}.root_id AND leaves.lft > #{table_name}.lft AND leaves.rgt < #{table_name}.rgt" +
    " AND leaves.rgt = leaves.lft + 1"
```

Associated revisions

Revision 15737 - 2016-08-18 16:58 - Jean-Philippe Lang

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Patch by Felix Schäfer.

History

#1 - 2016-07-15 14:04 - Toshi MARUYAMA
- Target version set to 3.4.0

#2 - 2016-08-18 16:58 - Jean-Philippe Lang
- Status changed from New to Closed
- Assignee set to Jean-Philippe Lang
- Resolution set to Fixed
Committed, thanks.