

## Redmine - Defect #23347

### MySQL: You can't specify target table for update in FROM clause

2016-07-15 13:32 - Felix Schäfer

<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>	Database	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.4.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		
<b>Description</b>			
<p>The down migration for ClearEstimatedHoursOnParentIssues will fail on MySQL (5.6) with the following message:</p> <pre>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 &gt; issues.lft AND leaves.rgt &lt; issues.rgt AND leaves.rgt = leaves.lft + 1) WHERE (rgt &gt; lft + 1)</pre> <p>Our quick fix was to explicitly make a temp table instead of referencing the issues table in the subquery:</p> <pre>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 &lt; 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 &gt; #{table_name}.lft AND leaves.rgt &lt; #{table_name}.rgt" +       " AND leaves.rgt = leaves.lft + 1"</pre>			

#### Associated revisions

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

MySQL: You can't specify target table for update in FROM clause (#23347).

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.