Installed Redmine 4.1.0.stable from scratch following RedmineInstall guide. Created a new project / tracker / issues. Have done the configuration.

Now having a Redmine issue with Gantt. Directly after installation, the Gantt Tab is showing the following.

"500 - An error occurred while executing the query and has been logged. Please report this error to your Redmine administrator." Looking for a workaround to get the Gantt Tab working.

Redmine:

4.1.0.stable
Ruby: 2.5.7-p206 (2019-10-01) [x64-mingw32]
Rails: 5.2.4.1
Database: MS SQL Server 2017 (RTM) - 14.0.1000.169 (X64) Express Edition
Webserver: MS IIS Reverse Proxy -> Puma
OS: VM Windows Server 2016 Standard 10.0 <X64> (Build 14393: ) (Hypervisor)
Redmine plugins:
  redhopper 2.0.0

production.log:

Started GET "/projects/projektmanagement-it/issues/gantt" for 127.0.0.1 at 2019-12-30 23:07:36 +0100
Processing by GanttsController#show as HTML
  Parameters: {"project_id"=>"projektmanagement-it")
  Current user: amerzza (id=5)
  Rendering gantts/show.html.erb within layouts/base
  Rendered queries/_filters.html.erb (10.7ms)
  Rendered queries/_columns.html.erb (3.4ms)
  Rendered gantts/show.html.erb within layouts/base (65.9ms)
Query::StatementInvalid: TinyTds::Error: A column has been specified more than once in the order by list. Columns in the order by list must be unique.: EXEC sp_executesql N'SELECT [issues].[id] AS t0_r0, [issues].[tracker_id] AS t0_r1, [issues].[project_id] AS t0_r2, [issues].[subject] AS t0_r3, [issues].[description] AS t0_r4, [issues].[due_date] AS t0_r5, [issues].[category_id] AS t0_r6, [issues].[status_id] AS t0_r7, [issues].[assigned_to_id] AS t0_r8, [issues].[priority_id] AS t0_r9, [issues].[fixed_version_id] AS t0_r10, [issues].[author_id] AS t0_r11, [issues].[lock_version] AS t0_r12, [issues].[created_on] AS t0_r13, [issues].[updated_on] AS t0_r14, [issues].[start_date] AS t0_r15, [issues].[done_ratio] AS t0_r16, [issues].[estimated_hours] AS t0_r17, [issues].[parent_id] AS t0_r18, [issues].[root_id] AS t0_r19, [issues].[lft] AS t0_r20, [issues].[rgt] AS t0_r21, [issues].[is_private] AS t0_r22, [issues].[closed_on] AS t0_r23, [issue_statuses].[id] AS t1_r0, [issue_statuses].[name] AS t1_r1, [issue_statuses].[is_closed] AS t1_r2, [issue_statuses].[position] AS t1_r3, [issue_statuses].[default_done_ratio] AS t1_r4, [projects].[id] AS t2_r0, [projects].[name] AS t2_r1, [projects].[description] AS t2_r2, [projects].[homepage] AS t2_r3, [projects].[is_public] AS t2_r4, [projects].[parent_id] AS t2_r5, [projects].[created_on] AS t2_r6, [projects].[updated_on] AS t2_r7, [projects].[identifier] AS t2_r8, [projects].[status] AS t2_r9, [projects].[lft] AS t2_r10, [projects].[rgt] AS t2_r11, [projects].[inherit_members] AS t2_r12, [projects].[id]
WHERE (projects.status <> 9 AND EXISTS (SELECT 1 AS one FROM enabled_modules em WHERE em.project_id = projects.id AND em.name=''issue_tracking''))
AND ((issues.status_id IN (SELECT id FROM issue_statuses WHERE is_closed=0)) AND projects.id = 1)
ORDER BY projects.lft ASC, issues.id ASC, issues.id DESC OFFSET 0 ROWS FETCH NEXT @0 ROWS ONLY',
N'@0 int',
@0 = 500

### Related issues:
- Related to Redmine - Defect #30009: Empty sort criteria for issue query gives... Closed
- Related to Redmine - Defect #29581: Issues in paginated views may be lost bec... Closed
- Has duplicate Redmine - Defect #32808: Gantt Query Error 500 Closed
- Has duplicate Redmine - Defect #33224: SQL Server: A column has been specifie... Closed

### Associated revisions

**Revision 19636 - 2020-04-02 08:22 - Go MAEDA**

Remove duplicate keys from sort criteria (#32737).

Patch by Go MAEDA.

**Revision 19637 - 2020-04-02 09:52 - Go MAEDA**

Fix that viewing gantt causes SQL error with SQL Server (#32737).

Patch by Pavel Rosický.

**Revision 19638 - 2020-04-02 09:55 - Go MAEDA**

Merged r19636 from trunk to 4.1-stable (#32737).

**Revision 19639 - 2020-04-02 09:56 - Go MAEDA**

Merged r19637 from trunk to 4.1-stable (#32737).

### History

**#1 - 2020-01-05 10:25 - Go MAEDA**

I have confirmed that the query edit form can set the same field more than once as sort criteria and the same column appears multiple times in the ORDER BY clause as a result.

I think the following checks (at least the first one) should be added.

- Don't add the same column to ORDER BY clause more than once
- Reject specifying the same field more than twice for sort criteria in the query edit form

**#2 - 2020-01-15 08:07 - Tobias Pitzer**

Go MAEDA wrote:

I have confirmed that the query edit form can set the same field more than once as sort criteria and the same column appears multiple times in the ORDER BY clause as a result.

I think the following checks (at least the first one) should be added.

- Don't add the same column to ORDER BY clause more than once
- Reject specifying the same field more than twice for sort criteria in the query edit form

Is there any workaround on this?

**#3 - 2020-01-15 10:32 - Go MAEDA**

- Has duplicate Defect #32808: Gantt Query Error 500 added
Go MAEDA wrote:

I think the following checks (at least the first one) should be added.

- Don’t add the same column to ORDER BY clause more than once
- Reject specifying the same field more than twice for sort criteria in the query edit form

Exclude the same column from the ORDER BY clause.
I attached a patch.

Yuichi HARADA wrote:

Go MAEDA wrote:

I think the following checks (at least the first one) should be added.

- Don’t add the same column to ORDER BY clause more than once
- Reject specifying the same field more than twice for sort criteria in the query edit form

Exclude the same column from the ORDER BY clause.
I attached a patch.

Thank you, Yuichi HARADA.
It works on my Redmine. :)

Go MAEDA wrote:

Maybe also this patch will work.

Go MAEDA wrote:

Maybe also this patch will work.

Execute tests on SQL Server, 12 test failures (500: Internal Server Error. I think duplicate ORDER BY clauses are involved) and 16 execution errors (duplicate ORDER BY clause) occurred.

- test/unit/lib/redmine/helpers/gantt_test.rb
- test/functional/gantts_controller_test.rb

Test results...
Test results...
dev-trunk $ RAILS_ENV=test bundle exec rake test
Failure: GanttControllerTest#test_gantt_should_work

Expected response to be a <2XX: success>, but was a <500: Internal Server Error>

Failure: GanttControllerTest#test_gantt_should_not_disclose_private_projects

Expected response to be a <2XX: success>, but was a <500: Internal Server Error>

You have skipped tests. Run with --verbose for details.

dev-trunk $
for reference #29581 caused the issue

patches 32737-remove-duplicate-keys.patch and gantt.rb.patch should be applied

#15 - 2020-04-01 10:04 - Marius BÂLTEANU
- Target version set to 4.1.1

We should fix this in 4.1.1 together with #30285.

#16 - 2020-04-01 10:11 - Marius BÂLTEANU
- Description updated

#17 - 2020-04-02 05:02 - Yuichi HARADA
Pavel Rosický wrote:

for reference #29581 caused the issue

patches 32737-remove-duplicate-keys.patch and gantt.rb.patch should be applied

That's great. All tests completed successfully by combining 32737-remove-duplicate-keys.patch and gantt.rb.patch. However, since the relative path of gantt.rb was unknown, I was rebuilt gantt.rb.patch.

diff --git a/lib/redmine/helpers/gantt.rb b/lib/redmine/helpers/gantt.rb
index 16f180090..206cdea24 100644
--- a/lib/redmine/helpers/gantt.rb
+++ b/lib/redmine/helpers/gantt.rb
@@ -151,7 +151,7 @@
module Redmine

def issues
  @issues ||= @query.issues(
-    :include => [:assigned_to, :tracker, :priority, :category, :fixed_version],
-    :order => "#{Project.table_name}.lft ASC, #{Issue.table_name}.id ASC",
+    :order => ["#{Project.table_name}.lft ASC", "#{Issue.table_name}.id ASC"],
    :limit => @max_rows
  )
end

#18 - 2020-04-02 08:46 - Go MAEDA
- Related to Defect #29581: Issues in paginated views may be lost because sorting criteria are not unique added

#19 - 2020-04-02 09:59 - Go MAEDA
- Status changed from New to Closed
- Assignee set to Go MAEDA
- Resolution set to Fixed

Committed the patch. Thank you to everyone involved in testing and fixing the issue.

Files

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<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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<tbody>
<tr>
<td>production.log</td>
<td>27.2 KB</td>
<td>2020-01-02</td>
<td>Sascha Merz</td>
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<tr>
<td>32737_exclude_same_column_from_orderby.patch</td>
<td>2.41 KB</td>
<td>2020-01-22</td>
<td>Yuichi HARADA</td>
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<td>32737-remove-duplicate-keys.patch</td>
<td>1.51 KB</td>
<td>2020-01-27</td>
<td>Go MAEDA</td>
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<tr>
<td>gantt.rb.patch</td>
<td>529 Bytes</td>
<td>2020-03-31</td>
<td>Pavel Rosický</td>
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