

"Gantt" doesn't work with oracle database

2010-09-23 10:43 - Nelzin Alexander

Status:	Closed	Start date:	2010-09-23
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Affected version:	
Resolution:			

Description

ArgumentError in Gantts#show

Showing app/views/gantts/show.html.erb where line #180 raised:
comparison of Date with Time failed

Extracted source (around line #180):
177: i_done_date = (i_done_date <= @gantt.date_from ? @gantt.date_from : i_done_date)
178: i_done_date = (i_done_date >= @gantt.date_to ? @gantt.date_to : i_done_date)
179:
180: i_late_date = [i_end_date, Date.today].min if i_start_date < Date.today
181:
182: i_left = ((i_start_date - @gantt.date_from)*zoom).floor
183: i_width = ((i_end_date - i_start_date + 1)*zoom).floor - 2 # total width
of the issue (- 2 for left and right borders)

RAILS_ROOT: /Users/alexander_nelzin/Sites/redmine-1.0

To get rid of this error we should convert comparable variables to one type.
I converted Time variables i_start_date and i_end_date to Date in lines 177 and 178

i_start_date = (i.start_date >= @gantt.date_from ? i.start_date.to_date : @gantt.date_from)
i_end_date = (i.due_before <= @gantt.date_to ? i.due_before.to_date : @gantt.date_to)

Also after this fix another comparison error appears

TypeError in Gantts#show

Showing app/views/gantts/show.html.erb where line #184 raised:
can't convert Date into Float

Extracted source (around line #184):
181:
182: i_left = ((i_start_date - @gantt.date_from)*zoom).floor
183: i_width = ((i_end_date - i_start_date + 1)*zoom).floor - 2 # total width
of the issue (- 2 for left and right borders)
184: d_width = ((i_done_date - i_start_date)*zoom).floor - 2 # done width
185: l_width = i_late_date ? ((i_late_date - i_start_date+1)*zoom).floor - 2 : 0 # delay width
186: css = "task " + (i.leaf? ? 'leaf' : 'parent')
187: %>

To fix it we should convert i_done_date to Date time again, because in line 176 it becomes float:

i_done_date = i.start_date + ((i.due_before - i.start_date+1)*i.done_ratio/100).floor

Here is my patch to make Gantts work:

Index: app/views/gantts/show.html.erb
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--- app/views/gantts/show.html.erb (revision 1537)

```

+++ app/views/gantt/show.html.erb      (revision 1550)
@@ -170,10 +170,10 @@
  top = headers_height + 10
  @gantt.events.each do |i|
    if i.is_a? Issue
-     i_start_date = (i.start_date >= @gantt.date_from ? i.start_date : @gantt.date_from )
-     i_end_date = (i.due_before <= @gantt.date_to ? i.due_before : @gantt.date_to )
-
-     i_done_date = i.start_date + ((i.due_before - i.start_date+1)*i.done_ratio/100).floor
+     i_start_date = (i.start_date >= @gantt.date_from ? i.start_date.to_date : @gantt.date_from )
+     i_end_date = (i.due_before <= @gantt.date_to ? i.due_before.to_date : @gantt.date_to )
+
+     i_done_date = (i.start_date + ((i.due_before - i.start_date+1)*i.done_ratio/100).floor).to_da
te
        i_done_date = (i_done_date <= @gantt.date_from ? @gantt.date_from : i_done_date )
        i_done_date = (i_done_date >= @gantt.date_to ? @gantt.date_to : i_done_date )

```

Note. The revisions shown here are my local revisions, not yours.

Related issues:

Related to Redmine - Feature #944: Oracle Support in Redmine

Closed

2008-03-28

History

#1 - 2010-09-23 10:44 - Nelzin Alexander

My environment:

Redmine 1.0.1.stable.1536 (OracleEnhanced)

```

~/Sites/redmine-1.0 $ ruby script/about
About your application's environment
Ruby version          1.8.7 (universal-darwin10.0)
RubyGems version      1.3.5
Rack version          1.0
Rails version         2.3.5
Active Record version 2.3.5
Active Resource version 2.3.5
Action Mailer version 2.3.5
Active Support version 2.3.5
Application root      /Users/alexander_nelzin/Sites/redmine-1.0
Environment           development
Database adapter      oracle_enhanced
Database schema version 20100819172912

```

#2 - 2010-09-23 10:49 - Nelzin Alexander

I also tested these changes with postgres. Works fine.

Redmine 1.0.1.stable.1536 (PostgreSQL)

PostgreSQL server 8.4.4

```

~/Sites/redmine-1.0-postgres $ ruby script/about
About your application's environment
Ruby version          1.8.7 (universal-darwin10.0)
RubyGems version      1.3.5
Rack version          1.0
Rails version         2.3.5
Active Record version 2.3.5
Active Resource version 2.3.5
Action Mailer version 2.3.5
Active Support version 2.3.5
Application root      /Users/alexander_nelzin/Sites/redmine-1.0-postgres
Environment           development
Database adapter      postgresql
Database schema version 20100819172912

```

#3 - 2010-09-23 13:57 - Felix Schäfer

This seems to be a problem with the Oracle adapter casting @Date@s to @Time@s, on my development rig, I have:

```

>> Issue.find(1).start_date.class
=> Date

```

Which negates the need to explicitly recast start_date to a Date.

#4 - 2010-09-23 15:00 - Nelzin Alexander

You are right, it seems to look like oracle or oracle adapter "feature".

```
>> Issue.find(1).start_date.class
=> Time
```

#5 - 2010-09-23 15:12 - Felix Schäfer

- Status changed from New to Closed

This behavior is described in the "Date, integer and boolean data types" section of the usage wiki page for the adapter: <http://wiki.github.com/rsim/oracle-enhanced/usage>. You will have to take care and maintain any changes yourself, as oracle is not supported and we won't add stuff specific to that adapter in core, sorry. If you do maintain a branch working with oracle and it is public, it would be nice to advertise that in the forums or make a note of it on the installation page though :-)

Files

gant_dates_fix.diff	1016 Bytes	2010-09-23	Nelzin Alexander
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