

Redmine - Defect #32916

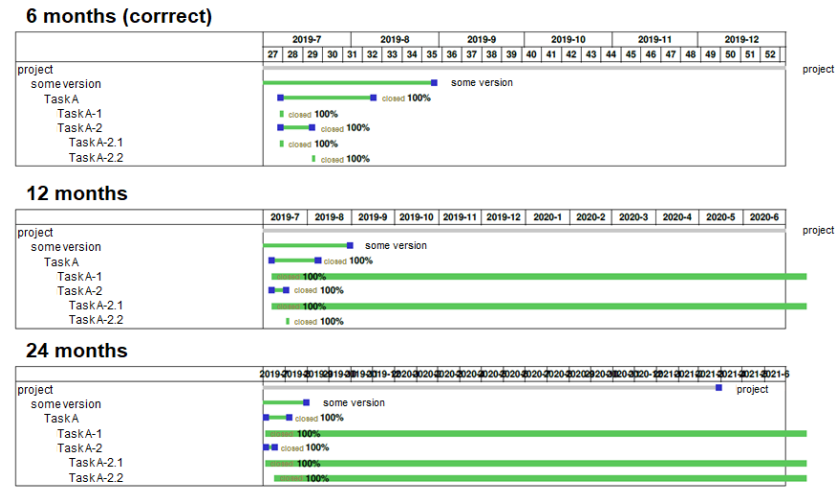
Bar length is wrong when exporting gantt chart to PDF

2020-01-29 06:15 - Anonymous

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Gantt	Estimated time:	0.00 hour
Target version:		Affected version:	4.1.0
Resolution:	Duplicate		

Description

When exporting a gantt chart to PDF, short (1 or 2 days) tasks are sometimes correct and sometimes incorrect, depending on the time period.
(The attached image is modified.)



Calculation error of start and end points?
Or error due to Windows environment?

Same for Redmine 4.0.4 and earlier.

Related issues:

Is duplicate of Redmine - Defect #23645: Gantt bars for single-day tasks may ... Closed

History

#1 - 2020-01-30 03:34 - Anonymous

Improved bar length calculation accuracy for exporting to PDF (and png).
(modified patch code)

```
--- a/lib/redmine/helpers/gantt.rb
+++ b/lib/redmine/helpers/gantt.rb
@@ -632,7 +632,7 @@
     end
     if end_date < self.date_to
       coords[:end] = end_date - self.date_from
-       coords[:bar_end] = end_date - self.date_from + 1
+       coords[:bar_end] = calc_bar_end(coords[:bar_start], end_date, zoom)
     else
       coords[:bar_end] = self.date_to - self.date_from + 1
     end
@@ -640,16 +640,16 @@
     progress_date = calc_progress_date(start_date, end_date, progress)
     if progress_date > self.date_from && progress_date > start_date
       if progress_date < self.date_to
-        coords[:bar_progress_end] = progress_date - self.date_from
+        coords[:bar_progress_end] = calc_bar_end(coords[:bar_start], progress_date, zoom)
       else
```

```

        coords[:bar_progress_end] = self.date_to - self.date_from + 1
    end
end
if progress_date <= User.current.today
    late_date = [User.current.today, end_date].min + 1
+   late_date = [User.current.today, end_date].min
    if late_date > self.date_from && late_date > start_date
        if late_date < self.date_to
-         coords[:bar_late_end] = late_date - self.date_from
+         coords[:bar_late_end] = calc_bar_end(coords[:bar_start], late_date, zoom)
        else
            coords[:bar_late_end] = self.date_to - self.date_from + 1
        end
    end
@@ -665,7 +665,16 @@
    end

    def calc_progress_date(start_date, end_date, progress)
-     start_date + (end_date - start_date + 1) * (progress / 100.0)
+     start_date + (end_date - start_date) * (progress / 100.0)
+   end
+
+   def calc_bar_end(start_date, end_date, zoom)
+     end_of_bar = end_date - self.date_from + 1
+     start_zoom = (start_date * zoom).floor
+     if (end_of_bar * zoom).floor <= start_zoom
+       end_of_bar = (start_zoom + 1) / zoom
+     end
+     end_of_bar
+   end

  # Singleton class method is public

```

#2 - 2020-06-10 01:31 - Anonymous

- Status changed from New to Resolved

Related to [#23645](#) (Gantt bars for single-day tasks may be rendered wrongly in PDF)

#3 - 2020-06-12 04:44 - Mischa The Evil

- Status changed from Resolved to Needs feedback

- Assignee set to Anonymous

taca tadocolo wrote:

Related to [#23645](#) (Gantt bars for single-day tasks may be rendered wrongly in PDF)

So the issue reported in this issue is solved by the changes for [#23645](#)? Can you confirm that is the case (also the png version of the gantt)?

#4 - 2020-06-12 06:32 - Anonymous

Mischa The Evil wrote:

taca tadocolo wrote:

Related to [#23645](#) (Gantt bars for single-day tasks may be rendered wrongly in PDF)

So the issue reported in this issue is solved by the changes for [#23645](#)? Can you confirm that is the case (also the png version of the gantt)?

Yes, I confirmed this issue has been resolved in Redmine 4.1.1.

#5 - 2020-06-15 06:38 - Mischa The Evil

- Is duplicate of Defect #23645: Gantt bars for single-day tasks may be rendered wrongly in PDF added

#6 - 2020-06-15 06:39 - Mischa The Evil

- Status changed from Needs feedback to Closed

- Assignee deleted (Anonymous)

- Resolution set to Duplicate

Thanks for the feedback. Closing as such.

Files

gc2pdf.png	80.9 KB	2020-01-29	Anonymous
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