Redmine - Defect #34046
Escaping symbols in task subject can broke export to Gantt (PNG)
2020-09-29 09:40 - Kirill Trofimov

<table>
<thead>
<tr>
<th>Status:</th>
<th>Needs feedback</th>
<th>Start date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
<td>% Done:</td>
</tr>
<tr>
<td>Category:</td>
<td>Gantt</td>
<td>Estimated time:</td>
</tr>
<tr>
<td>Target version:</td>
<td>Candidate for next minor release</td>
<td>Affected version: 4.1.1</td>
</tr>
</tbody>
</table>

Description
Hello there, I think I found a problem with export Gantt to PNG. When I have task's subject with escape characters for example: "Student's Problems with new login page" I receive error (from Redmine logs):

MiniMagick::Error (`convert -size 1125x926 xc:white -stroke transparent -fill black -stroke transparent` ...
-strokewidth 1 -draw text 84,418 'Student''s Problems with new login page' -fill red -draw line 516,36 516,925 /tmp/mini_magick20200929-4913-1ne7j9r.png` failed with error: convert-im6.q16: non-conforming drawing primitive definition `'' @ error/draw.c/RenderMVGContent/4301.
):

lib/redmine/helpers/gantt.rb:381:in `to_image'
app/controllers/gantts_controller.rb:44:in `block (2 levels) in show'
app/controllers/gantts_controller.rb:42:in `show'
lib/redmine/sudo_mode.rb:65:in `sudo_mode'

And when I except this task by filters from Gantt everything is fine. Is there any chances to fix this issue?

Related issues:
Related to Redmine - Feature #30492: Replace RMagick with MiniMagick
Closed
Related to Redmine - Defect #38728: Correctly escape issue text in Gantt PNG ...
Closed

History
#1 - 2020-09-29 10:27 - Go MAEDA
- Status changed from New to Confirmed

#2 - 2020-09-30 09:36 - Yuichi HARADA
- File fixed-34046.patch added

It used Redmine::Utils::Shell::shell_quote to escape the subject string, but it was an escaping for the string that cannot be handled by the magick-convert command.

I fixed the special character escaping process as follows.

```
diff --git a/lib/redmine/helpers/gantt.rb b/lib/redmine/helpers/gantt.rb
index 31956bfae..168ce43f7 100644
--- a/lib/redmine/helpers/gantt.rb
+++ b/lib/redmine/helpers/gantt.rb
@@ -400,7 +400,7 @@ module Redmine
 gc.stroke('transparent')
 gc.strokewidth(1)
 gc.draw('text %d,%d %s' % [
- left.round + 8, 14, Redmine::Utils::Shell::shell_quote("#{month_f.year}-#{month_f.month}"")
+ left.round + 8, 14, image_text_quote("#{month_f.year}-#{month_f.month}")
 ])
 left = left + width
 month_f = month_f >> 1
@@ -436,7 +436,7 @@ module Redmine
 gc.stroke('transparent')
```

2024-05-29
#3 - 2020-10-19 18:12 - Go MAEDA

- Related to Feature #30492: Replace RMagick with MiniMagick added

#4 - 2020-11-11 00:26 - Go MAEDA

- Target version set to Candidate for next minor release

#5 - 2023-10-12 04:49 - Mischa The Evil

- Status changed from Confirmed to Needs feedback

This issue seems superseded and fixed by #38728. Can someone test and confirm this? Especially 'mswin' compatibility might be an issue...

Holger Just: care to chime in?

#6 - 2023-10-12 04:50 - Mischa The Evil

- Related to Defect #38728: Correctly escape issue text in Gantt PNG export for ImageMagick convert added

#7 - 2023-10-12 20:31 - Kirill Trofimov

Hello,
Unfortunately can't test it, as already this instance is out of my touch.
But anyway, thanks for supporting it.

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>fixed-34046.patch</td>
<td>2.52 KB</td>
<td>2020-09-30</td>
<td>Yuichi HARADA</td>
</tr>
</tbody>
</table>