

Redmine - Defect #34046

Escaping symbols in task subject can broke export to Gantt (PNG)

2020-09-29 09:40 - Kirill Trofimov

Status: Confirmed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: Gantt	Estimated time: 0.00 hour
Target version: Candidate for next minor release	Affected version: 4.1.1
Resolution:	
Description	
<p>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):</p> <pre>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'</pre>	
<p>And when I except this task by filters from Gantt everything is fine. Is there any chances to fix this issue?</p>	
Related issues:	
Related to Redmine - Feature # 30492: Replace RMagick with MiniMagick	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')
  gc.strokewidth(1)
  gc.draw('text %d,%d %s' % [
-     left.round + 2, header_height + 14, Redmine::Utils::Shell.shell_quote(week_f.cweek.to_s)
+     left.round + 2, header_height + 14, image_text_quote(week_f.cweek.to_s)
  ])
  left = left + width
  week_f = week_f + 7
@@ -797,7 +797,7 @@ module Redmine
  params[:image].stroke('transparent')
  params[:image].strokewidth(1)
  params[:image].draw('text %d,%d %s' % [
-     params[:indent], params[:top] + 2, Redmine::Utils::Shell.shell_quote(subject)
+     params[:indent], params[:top] + 2, image_text_quote(subject)
  ])
end

@@ -1040,10 +1040,18 @@ module Redmine
  if label
    params[:image].fill('black')
    params[:image].draw('text %d,%d %s' % [
-     params[:subject_width] + (coords[:bar_end] || 0) + 5, params[:top] + 1, Redmine::Utils::Shell.shell_quote(label)
+     params[:subject_width] + (coords[:bar_end] || 0) + 5, params[:top] + 1, image_text_quote(label)
    ])
  end
end

+
+ def image_text_quote(text)
+   if Redmine::Platform.mswin?
+     %Q!#{text.gsub(/"/, '\\"')}!
+   else
+     %Q!#{text.gsub(/'/, '\\\'')}!
+   end
+ end
end
end
end
end

```

#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

Files
