

Redmine - Defect #28125

PNG images on a wiki page don't appear in exported PDF

2018-02-02 08:35 - Go MAEDA

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	PDF export	Estimated time:	0.00 hour
Target version:	3.3.9	Affected version:	
Resolution:	Fixed		

Description

Please see the following screenshot. The wiki page has 2 inline images, but the PNG image (Redmine logo) doesn't appear in exported PDF.

The screenshot shows the Redmine web interface. On the left, a browser window displays a wiki page titled 'PNG export test' under the 'eCookbook' project. The page contains two images: a JPEG image of a woman (lenna.jpg) and a PNG image of the Redmine logo. Below the images is a 'Files' section listing the uploaded files: redmine_logo_v1.png (8.62 KB), lenna.jpg (19.9 KB), and redmine_logo_v1.png (8.62 KB). On the right, a separate window shows the exported PDF content for the same page. It contains the title 'PNG export test', the JPEG image, and the text 'PNG image (redmine_logo_v1.png):', but the actual PNG image is missing, leaving a blank space.

Environment:

Redmine version 3.4.4.devel.17194
Ruby version 2.3.3-p222 (2016-11-21) [x86_64-darwin16]
Rails version 5.1.4
Environment development
Database adapter SQLite

SCM:

Subversion 1.9.7
Mercurial 4.3.1
Cvs 1.12.13
Bazaar 2.7.0
Git 2.14.3
Filesystem

Redmine plugins:

no plugin installed

The PNG image which I used for test is this one: http://www.redmine.org/attachments/download/3458/redmine_logo_v1.png

Associated revisions

Revision 17405 - 2018-06-18 11:45 - Go MAEDA

Update rbpdf gem to 1.19.4 (#28125).

Contributed by Jun NAITOH.

Revision 17408 - 2018-06-22 10:08 - Go MAEDA

Merged r17405 from trunk to 3.4-stable (#28125).

Revision 17409 - 2018-06-22 10:12 - Go MAEDA

Merged r17405 from trunk to 3.3-stable (#28125).

Revision 17414 - 2018-06-25 10:52 - Go MAEDA

Update rbpdf gem to 1.19.5 (#28125).

Contributed by Jun NAITOH.

Revision 17415 - 2018-06-25 10:55 - Go MAEDA

Merged r17414 from trunk to 3.4-stable (#28125).

Revision 17416 - 2018-06-25 10:56 - Go MAEDA

Merged r17414 from trunk to 3.3-stable (#28125).

History

#1 - 2018-03-25 09:21 - Jun NAITOH

- *File pdf_export.png added*

I can't reproduce this issue.

Are there any conditions for reproducing?

pdf_export.png

```
$ ruby bin/about
```

```
sh: darcs: command not found
```

```
sh: bzip: command not found
```

```
Environment:
```

```
Redmine version      3.4.4.stable
Ruby version         2.1.2-p95 (2014-05-08) [i686-linux]
Rails version        4.2.8
Environment          production
Database adapter     SQLite
```

```
SCM:
```

```
Subversion           1.6.11
Mercurial             1.4
Git                  1.7.12.4
Filesystem
```

```
Redmine plugins:
```

```
no plugin installed
```

#2 - 2018-05-23 10:26 - Pawel Szafer

Same issue as author. Can I somehow help to investigate it?

Only error in logs I see is:

```
pdf: Image: error: RBPDF error: Image filename is empty.
```

It is repeated for each image

#3 - 2018-05-25 01:07 - Jun NAITOH

Pawel Szafer wrote:

Same issue as author. Can I somehow help to investigate it?

How do you describe the contents of the wiki?

Only error in logs I see is:

pdf: Image: error: RBPdf error: Image filename is empty.

It is repeated for each image

The cause is unknown, but the image does not seem to be found.
Is Wiki notation textile or markdown?

#4 - 2018-05-29 21:14 - Pawel Szafer

I've tested both notations textile and markdown.

How do you describe the contents of the wiki?

Don't understand what you mean, but it is mostly markdown text with png images in it. I removed alpha channel from PNG but without any luck. Installed redmine on Arch Linux and Alpine Linux already.

I can give it a try and make Dockerfile if that helps somehow.

#5 - 2018-05-30 11:46 - Xavier Poncet

Hello, I confirm this trouble. since we have update from 3.2.1 to 3.4.5

I've exactly the same problem, no png appears in the exported wiki page but jpg are visible.

I will add that we noticed a considerable size increase in exported pdf file with the PNG!

#6 - 2018-06-06 14:19 - T H

- File Example of bug.png added

I noticed this bug in our installation as well. Embedding images in the browser works well, but PDF export results in PNG images not showing correctly. It seems as though only the alpha channel is rendered in the PDF – is that plausible? I did not see any errors or warnings in our logs. A screenshot of the resulting PDF (in Adobe Reader) is attached. (The alpha channel is basically a slight shadow around the PNG image, which is rendered in stark contrast in the PDF.)

Our redmine setup is as follows:

```
Environment:
  Redmine version      3.4.4.stable.17194
  Ruby version         2.4.1-p111 (2017-03-22) [x86_64-linux]
  Rails version        4.2.8
  Environment          production
  Database adapter     Mysql2
SCM:
  Subversion           1.9.3
  Git                  2.7.4
  Filesystem
Redmine plugins:
  clipboard_image_paste 1.12
  redmine_checklists    3.1.9
  redmine_editauthor    0.11.0
  redmine_highlightjs   1.0.3
  redmine_lightbox2     0.4.3
  redmine_mentions     0.0.1
  redmine_percent_done  1.1.0
  redmine_tags          3.2.2
```

We are using Markdown syntax.

Please let me know if I can provide any other helpful information.

#7 - 2018-06-12 13:42 - Jun NAITOH

I was able to reproduce this problem.

The cause of this problem is rmagick.

But, the implementation of RBPdf also has a problem and will be fixed.

I have created RBPdf's issue.

<https://github.com/naitoh/rbpdf/issues/44>

#8 - 2018-06-16 13:53 - Jun NAITOH

This problem fixed by rbpdf 1.19.4.
please bundle update.

#9 - 2018-06-18 11:10 - Xavier Poncet

tested right now after bundle update, it's ok for we with redmine 3.4.5 stable, it works !

#10 - 2018-06-18 11:50 - Go MAEDA

- Status changed from New to Resolved
- Assignee set to Go MAEDA
- Target version set to 3.3.9

#11 - 2018-06-18 12:02 - Pawel Szafer

- File Zrzut ekranu z 2018-06-18 12-00-42.png added
- File Zrzut ekranu z 2018-06-18 12-01-11.png added
- File Zrzut ekranu z 2018-06-18 12-01-38.png added

bundle update and restart webserver should be enough?
For me it is not working...

```
# gem list  
rbpdf (1.19.4)  
rbpdf-font (1.19.1)
```

Same bug still:

```
pdf: Image: error: RBPdf error: Image filename is empty.
```

Zrzut ekranu z 2018-06-18 12-00-42.png
Zrzut ekranu z 2018-06-18 12-01-11.png
Zrzut ekranu z 2018-06-18 12-01-38.png

#12 - 2018-06-21 00:25 - Jun NAITOH

Pawel Szafer wrote:

bundle update and restart webserver should be enough?

Yes.

For me it is not working...
Same bug still:

```
pdf: Image: error: RBPdf error: Image filename is empty.
```

I can't reproduce this message.

Please tell me the followings.

- An image in which the problem occurs.
- Your environment. (OS, x86 or x64, ruby version, rmagick version, Imagemagick version)

#13 - 2018-06-21 08:19 - Pawel Szafer

Jun NAITOH wrote:

Pawel Szafer wrote:

bundle update and restart webserver should be enough?

Yes.

For me it is not working...
Same bug still:

pdf: Image: error: RBPdf error: Image filename is empty.

I can't reproduce this message.

Please tell me the followings.

- An image in which the problem occurs.

All three images I attached in post above are problematic.

changed name of last image (with white background and Test sign) to 'test.png' and it is working...

For rest of images, which are more complex name changing doesn't help really.

- Your environment. (OS, x86 or x64, ruby version, rmagick version, Imagemagick version)

My env.

What	version
OS	Alpine OS x64
Kernel	4.15.17-1-pve
ruby	2.4.4p296 (2018-03-28 revision 63013) [x86_64-linux-musl]
rails	4.2.8
redmine	3.4.5.stable
ImageMagick	ImageMagick 7.0.7-11 Q16 x86_64
Rmagick	rmagick (2.16.0)
RBPdf	1.19.4
rbpdf-font	1.19.1

#14 - 2018-06-22 01:26 - Jun NAITOH

My env.

What	version
OS	Alpine OS x64
Kernel	4.15.17-1-pve
ruby	2.4.4p296 (2018-03-28 revision 63013) [x86_64-linux-musl]
ImageMagick	ImageMagick 7.0.7-11 Q16 x86_64
Rmagick	rmagick (2.16.0)

Thanks your information.

I tried installing RMagick on Alpine Linux v3.7(x86_64) Extended.

- <https://www.alpinelinux.org/downloads/>

But RMagick (2.16.0) does not seem to support ImageMagick 7.

Is not it a problem with your environment?

```
# uname -a
Linux alp 4.9.65-1-hardened #2-Alpine SMP Mon Nov 27 15:36:10 GMT 2017 x86_64 Linux
# ruby -v
ruby 2.4.4p296 (2018-03-28 revision 63013) [x86_64-linux-musl]
# bundle install --without development test
:
(snip)
:
Installing rmagick 2.16.0 with native extensions
Gem::Ext::BuildError: ERROR: Failed to build gem native extension.

current directory: /usr/lib/ruby/gems/2.4.0/gems/rmagick-2.16.0/ext/RMagick
```

```
/usr/bin/ruby -r ./siteconf20180621-23353-1k7c7k9.rb extconf.rb
checking for gcc... yes
checking for Magick-config... no
checking for pkg-config... yes
Package MagickCore was not found in the pkg-config search path.
Perhaps you should add the directory containing `MagickCore.pc'
to the PKG_CONFIG_PATH environment variable
Package 'MagickCore', required by 'virtual:world', not found
```

```
Warning: Found a partial ImageMagick installation. Your operating system likely has some built-in ImageMagick
libraries but not all of ImageMagick. This will most likely
cause problems at both compile and runtime.
```

```
Found partial installation at: /usr
checking for outdated ImageMagick version (<= 6.4.9)... *** extconf.rb failed ***
```

```
# apk info imagemagick
imagemagick-7.0.7.11-r1 description:
```

#15 - 2018-06-22 11:31 - Pawel Szafer

Check it out: <http://ec2-35-158-221-148.eu-central-1.compute.amazonaws.com:8080/projects/test/wiki/Wiki>
I can give you access to ssh, contact me by e-mail for that.

This is what I installed on Alpine:

```
- name: Install Redmine deps from APK
apk:
  name: "{{ item }}"
  state: latest
with_items:
- ruby-rmagick
- ruby-json
- ruby-bigdecimal
- ruby-rdoc
- ruby-ffi
- tzdata
- git
- mysql-client
- mariadb-client-libs
- mariadb-dev
- imagemagick
- imagemagick-c++
- imagemagick-dev
- imagemagick-libs
- imagemagick6-libs
- coreutils
- libatomic
- readline
- readline-dev
- libxml2
- libxml2-dev
- libxml2-utils
- ncurses-terminfo-base
- ncurses-terminfo
- libxslt
- libxslt-dev
- zlib-dev
- zlib
- ruby
- yaml
- yaml-dev
- libffi-dev
- build-base
- nodejs
- ruby-io-console
- ruby-irb
- ruby-rake
- make
- gcc
- g++
- libffi-dev
- ruby-dev
```

#16 - 2018-06-24 11:56 - Jun NAITOH

I fixed it with rbpdf 1.19.4, but since the fix was incorrect, I released rbpdf 1.19.5. please bundle update.

The fixed issues is as follows.

- <https://github.com/naitoh/rbpdf/issues/45>
- <https://github.com/naitoh/rbpdf/issues/46>

I can give you access to ssh, contact me by e-mail for that.

I used your environment.
Thanks to Mr. Pawel Szafer.

#17 - 2018-06-25 07:49 - Pawel Szafer

I can confirm that now images are exported correctly.
Thank you very much!

#18 - 2018-06-25 09:17 - Kuniharu AKAHANE

- File 1.Microsoft_SnippingTool.png added
- File 2.Copy_and_Crop_with_Gimp2.png added
- File 3.Use_Clip_and_Paste_Plugin_v1.10_on_Redmine3.3.png added

Hi,

After bundle update and Redmine app restart, rbpdf 1.19.5 works fine and all png images exported to pdf correctly on our environment.
Thank you for your time and effort, Naito san, Maeda san and Mr.Pawel Szafer.

- Just for your information, [Tested Environment](#)[Tested Environment](#)

- CentOS Linux release 7.4.1708 (Core)
- Version: ImageMagick 6.7.8-9 2016-06-16 Q16
- rmagick (2.16.0)

Redmine Environment:
Redmine version 3.3.8.stable
Ruby version 2.3.3-p222 (2016-11-21) [x86_64-linux]
Rails version 4.2.7.1
Environment production
Database adapter Mysql2
Redmine plugins:
clipboard_image_paste 1.10

and [Affected alpha 1-bit png images on our site](#)[Affected alpha 1-bit png images on our site](#)

- 1.Microsoft_SnippingTool.png

1.Microsoft_SnippingTool.png

```
$ identify -verbose 1.Microsoft_SnippingTool.png
```

```
Image: 1.Microsoft_SnippingTool.png
Format: PNG (Portable Network Graphics)
Class: DirectClass
Geometry: 602x402+0+0
Resolution: 47.24x47.24
Print size: 12.7434x8.50974
Units: PixelsPerCentimeter
Type: TrueColorAlpha
Endianness: Undefined
Colorspace: sRGB
Depth: 8-bit
Channel depth:
  red: 8-bit
  green: 8-bit
  blue: 8-bit
  *alpha: 1-bit*
```

- 2.Copy_and_Crop_with_Gimp2.png
2.Copy_and_Crop_with_Gimp2.png

```
$ identify -verbose 2.Copy_and_Crop_with_Gimp2.png
```

```
Image: 2.Copy_and_Crop_with_Gimp2.png
Format: PNG (Portable Network Graphics)
Class: DirectClass
Geometry: 600x396+0+0
Resolution: 28.35x28.35
Print size: 21.164x13.9683
Units: PixelsPerCentimeter
Type: TrueColorAlpha
Endianness: Undefined
Colorspace: sRGB
Depth: 8-bit
Channel depth:
  red: 8-bit
  green: 8-bit
  blue: 8-bit
  *alpha: 1-bit*
```

- 3.Use_Clip_and_Paste_Plugin_v1.10_on_Redmine3.3.png
3.Use_Clip_and_Paste_Plugin_v1.10_on_Redmine3.3.png

```
$ identify -verbose 3.Use_Clip_and_Paste_Plugin_v1.10_on_Redmine3.3.png
```

```
Image: 3.Use_Clip_and_Paste_Plugin_v1.10_on_Redmine3.3.png
Format: PNG (Portable Network Graphics)
Class: DirectClass
Geometry: 599x400+0+0
Resolution: 72x72
Print size: 8.31944x5.55556
Units: Undefined
Type: TrueColorAlpha
Endianness: Undefined
Colorspace: sRGB
Depth: 8-bit
Channel depth:
  red: 8-bit
  green: 8-bit
  blue: 8-bit
  *alpha: 1-bit*
```

#19 - 2018-06-25 10:57 - Go MAEDA

- Status changed from Resolved to Closed
- Resolution set to Fixed

Updated the Gemfile. Thank you all for the contribution!

Files

inline-png-does-not-appear-on-pdf.png	104 KB	2018-02-02	Go MAEDA
pdf_export.png	364 KB	2018-03-25	Jun NAITOH
Example of bug.png	143 KB	2018-06-06	T H
Zrzut ekranu z 2018-06-18 12-00-42.png	40.3 KB	2018-06-18	Pawel Szafer
Zrzut ekranu z 2018-06-18 12-01-11.png	383 KB	2018-06-18	Pawel Szafer
Zrzut ekranu z 2018-06-18 12-01-38.png	15.8 KB	2018-06-18	Pawel Szafer
2.Copy_and_Crop_with_Gimp2.png	368 KB	2018-06-25	Kuniharu AKAHANE
1.Microsoft_SnippingTool.png	516 KB	2018-06-25	Kuniharu AKAHANE
3.Use_Clip_and_Paste_Plugin_v1.10_on_Redmine3.3.png	394 KB	2018-06-25	Kuniharu AKAHANE