

## Redmine - Defect #33023

### Warning occurs when displaying a few exceptional PDF thumbnail

2020-02-19 08:19 - Anonymous

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Attachments	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected version:</b>	4.1.0
<b>Resolution:</b>			

#### Description

A PDF thumbnail is displayed, but the following message is output to STDERR.  
The PDF file cannot be published, but it was created with a fax image (binary image).

```
convert.exe: profile 'icc': 'RGB ': RGB color space not permitted on grayscale PNG `redmine_root/tmp/thumbnails/***.thumb' @ warning/png.c/MagickPNGWarningHandler/1668.
```

The warning disappeared after applying the following patch.

```
--- a\lib\redmine\thumbnail.rb
+++ b\lib\redmine\thumbnail.rb
@@ -48,7 +48,7 @@
     size_option = "#{size}x#{size}>"

     if is_pdf
-       cmd = "#{shell_quote CONVERT_BIN} #{shell_quote "#{source}[0]}" -thumbnail #{shell_quote size_option} #{shell_quote "png:#{target}"}"
+       cmd = "#{shell_quote CONVERT_BIN} #{shell_quote "#{source}[0]}" -thumbnail #{shell_quote size_option} +profile icc #{shell_quote "png:#{target}"}"
     else
       cmd = "#{shell_quote CONVERT_BIN} #{shell_quote source} -auto-orient -thumbnail #{shell_quote size_option} #{shell_quote target}"
     end
```

#### Environment:

Redmine 4.1.0

ImageMagick 6.9.10-Q16

#### History

##### #1 - 2020-02-19 08:28 - Go MAEDA

Thank you for reporting the issue. Could you provide a sample PDF file that causes the error?

##### #2 - 2020-02-20 01:43 - Anonymous

- File *samplePDF.pdf* added

Here is a sample PDF.

##### #3 - 2020-02-21 01:48 - Go MAEDA

Thank you for providing the PDF file but I could not reproduce the issue. A thumbnail was generated without any error.

```
$ convert ~/Downloads/samplePDF.pdf[0] -thumbnail "200x200>" png:test.png
```

```
$ convert -version
```

```
Version: ImageMagick 7.0.8-25 Q16 x86_64 2019-01-30 https://imagemagick.org
```

```
Copyright: © 1999-2019 ImageMagick Studio LLC
```

```
License: https://imagemagick.org/script/license.php
```

```
Features: Cipher DPC HDRI Modules OpenMP
```

```
Delegates (built-in): bzlib freetype heic jng jp2 jpeg lcms ltdl lzma png tiff webp xml zlib
```

##### #4 - 2020-02-21 04:00 - Anonymous

I tried ImageMagick 7.0.9-24 Q16, but still got the error.  
No error occurs when adding the "+profile icc", "-strip" or "-quiet" parameter.

Adding info:  
Ghostscript v9.21 or earlier got no errors, however v9.22 or later got errors.

**#5 - 2020-06-12 06:17 - Anonymous**

The same error occurs even with the latest Ghostscript ver9.52.

**#6 - 2020-06-13 16:50 - Go MAEDA**

The warning successfully reproduced with ImageMagick 7.0.10-14 and GhostScript 9.52. But is it OK to always remove ICC profile?

**#7 - 2020-06-15 06:30 - Anonymous**

Go MAEDA wrote:

The warning successfully reproduced with ImageMagick 7.0.10-14 and GhostScript 9.52. But is it OK to always remove ICC profile?

I don't know the side effects of adding the option "+profile icc".  
I suggest adding the "-quiet" option instead of "+profile icc".  
The "-quiet" option has the same effect.

**Files**

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samplePDF.pdf	15.5 KB	2020-02-20	Anonymous
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