
Subject: Saving via ImageMagick with Coyote Routines fails II

Posted by [JP](#) on Wed, 26 Oct 2011 00:01:49 GMT

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Hi there,

Another problem with PS_Start/PS_End and ImageMagick:

When I try to create a simple plot, ImageMagick reports an error:

```
IDL> PS_Start, Filename='C:\temp\test.ps'
IDL> cgplot, indgen(100)
IDL> PS_End , /png
```

I get the following:

PostScript output will be created here: C:\temp\test.ps

ImageMagick CONVERT command: convert -alpha off -density 300 "C:\temp\test.ps" -resize 25% -flatten -rotate 90 "PNG24:C:\temp\test.png"

```
Magick: `%s' (%d) "gswin32c.exe" -q -dQUIET -dPARANOIDSAFER -dBATCH -dNOPAUSE
-dNOPROMPT -dMaxBitmap=500000000 -dEPSCrop -dAlignToPixels=0 -dGridFitTT=2
"-sDEVICE=pngalpha" -dTextAlphaBits=4 -dGraphicsAlphaBits=4 "-r300x300" -g1854x2967 "
-sOutputFile=C:/DOCUME~1/gue026/LOCALS~1/Temp/magick-ZY0nvQM 2--0000001 "
"-fC:/DOCUME~1/gue026/LOCALS~1/Temp/magick-Uekxe77J"
"-fC:/DOCUME~1/gue026/LOCALS~1/Temp/magick-1PbnxUTh" @
error/utility.c/SystemCommand/2094.
Magick: `%s' (%d) "gswin32c.exe" -q -dQUIET -dPARANOIDSAFER -dBATCH -dNOPAUSE
-dNOPROMPT -dMaxBitmap=500000000 -dEPSCrop -dAlignToPixels=0 -dGridFitTT=2
"-sDEVICE=pngalpha" -dTextAlphaBits=4 -dGraphicsAlphaBits=4 "-r300x300" -g1854x2967 "
-sOutputFile=C:/DOCUME~1/gue026/LOCALS~1/Temp/magick-ZY0nvQM 2--0000001 "
"-fC:/DOCUME~1/gue026/LOCALS~1/Temp/magick-Uekxe77J"
"-fC:/DOCUME~1/gue026/LOCALS~1/Temp/magick-1PbnxUTh" -c showpage @
error/utility.c/SystemCommand/2094.
Magick: Postscript delegate failed `C:\temp\test.ps': No such file or directory @
error/ps.c/ReadPSImage/806.
Magick: missing an image filename `PNG24:C:\temp\test.png' @
error/convert.c/ConvertImageCommand/3011.
```

The file C:\temp\test.ps is indeed created but ImageMagick doesn't find it.

I am running the latest version (6.7.3-2), just updated from a previous version but the problem persists .

Any ideas?

Thanks!

Subject: Re: Saving via ImageMagick with Coyote Routines fails II

Posted by [David Fanning](#) on Tue, 20 Nov 2012 02:03:23 GMT

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JP writes:

```
> last time I found this problem with ImageMagick it had to do with
problems in accessing the ps file created by PS_End.
> Now i am getting the same problem EVEN making sure first that there should be no issues in
accessing the file:
>
> IDL> new_dir = 'c:\temp2\'
> IDL> FILE_MKDIR, new_dir
> IDL> PS_Start, Filename=new_dir+'test.ps'
> IDL> cgplot, indgen(100)
> IDL> PS_End, /PNG, /showcmd
> PostScript output will be created here: c:\temp2\test.ps
> ImageMagick CONVERT command: convert -alpha off -density 300 "c:\temp2\test.ps" -resize
25% -flatten -rotate 90 "PNG24:c:\temp2\test.png"
> convert.exe: `%s' (%d) "gswin32c.exe" -q -dQUIET -dSAFER -dBATCH -dNOPAUSE
-dNOPROMPT -dMaxBitmap=500000000 -dEPSCrop -dAlignToPixels=0 -dGridFitTT=2
"-sDEVICE=pngalpha" -dTextAlphaBits=4 -dGraphicsAlphaBits=4 "-r300x300" -g1854x2967 "
-sOutputFile=C:/Users/gue026/AppData/Local/Temp/magick-21287 cMXH7w6TR-P--0000001 " "
-fC:/Users/gue026/AppData/Local/Temp/magick-2128CVo693jcaWl_ " "
-fC:/Users/gue026/AppData/Local/Temp/magick-2128YYBBa5QlYRnx " @
error/utility.c/SystemCommand/1890.
> convert.exe: `%s' (%d) "gswin32c.exe" -q -dQUIET -dSAFER -dBATCH -dNOPAUSE
-dNOPROMPT -dMaxBitmap=500000000 -dEPSCrop -dAlignToPixels=0 -dGridFitTT=2
"-sDEVICE=pngalpha" -dTextAlphaBits=4 -dGraphicsAlphaBits=4 "-r300x300" -g1854x2967 "
-sOutputFile=C:/Users/gue026/AppData/Local/Temp/magick-21287 cMXH7w6TR-P--0000001 " "
-fC:/Users/gue026/AppData/Local/Temp/magick-2128CVo693jcaWl_ " "
-fC:/Users/gue026/AppData/Local/Temp/magick-2128YYBBa5QlYRnx " -c showpage @
error/utility.c/SystemCommand/1890.
> convert.exe: Postscript delegate failed `c:\temp2\test.ps': No such file or directory @
error/ps.c/ReadPSImage/833.
> convert.exe: no images defined `PNG24:c:\temp2\test.png' @
error/convert.c/ConvertImageCommand/3044.
>
>
> the test.ps file is created, but ImageMagick fails to convert it into a PNG.
> tried in different folders and drives and same result.
>
> Windows 7
> and
> IDL> print, cghasimagemagick(version=version) & print, version
```

> 1
> 6.8.0-4
>
> interestingly i do the same in another computer with ImageMagick 6.7.3-3 and same results.
>
> any ideas?

File permissions? Don't know.

I'd open a Windows command prompt and see if you
can somehow get ImageMagick to work on its own.
It would seem to be installed properly, and the command
from inside of IDL looks right.

Has to be file permissions, I think.

Let us know.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Saving via ImageMagick with Coyote Routines fails II

Posted by [David Fanning](#) on Tue, 20 Nov 2012 02:07:03 GMT

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I just typed this:

```
IDL> new_dir = 'c:\temp2\  
IDL> file_mkdir, new_dir  
IDL> ps_start, filename = new_dir+'test.ps'  
PostScript output will be created here: c:\temp2\test.ps  
IDL> cgplot, indgen(100)  
% Compiled module: PS_BACKGROUND.  
IDL> ps_end, /png, /showcmd  
ImageMagick CONVERT command: convert -alpha off -density 300 "c:\temp2  
\test.ps" -resize 25% -flatten -rotate 90 "PNG24:c:\temp2\test.png"  
Output file located here: c:\temp2\test.png
```

No problems whatsoever. Mismatch between 64-bit OS and
32-bit ImageMagick? Really don't know.

Sorry.

David

--

David Fanning, Ph.D.

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Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Saving via ImageMagick with Coyote Routines fails II

Posted by [David Fanning](#) on Tue, 20 Nov 2012 02:18:56 GMT

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David Fanning writes:

- > No problems whatsoever. Mismatch between 64-bit OS and
- > 32-bit ImageMagick? Really don't know.

Is ImageMagick installed on this machine, or is it
being acquired over a network?

David

--

David Fanning, Ph.D.

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Subject: Re: Saving via ImageMagick with Coyote Routines fails II

Posted by [JP](#) on Wed, 21 Nov 2012 01:32:16 GMT

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Thanks David,

It definitely is a problem of file access by convert, nothing wrong with PS_Start/PS_End
whatsoever. But I am trying to understand what is going on and can't understand it. A colleague
here tried that bit of code and no problems.
ImageMagick is installed in my machine.

if i manually copy a file called cgWindow.png into c:\new and type in a command prompt:

convert cgWindow.png cgWindow.jpg

it works, no problem. And i get my new file

then i try:

convert cgWindow.png cgWindow.ps

also works, i get a postscript.

However, then i try:

convert cgWindow.ps cgWindow.png

and get a similar error message as when i try it from IDL via PS_End.

it's like convert doesnt like postscript here :(

very frustrating.

JP

On Tuesday, 20 November 2012 13:18:56 UTC+11, David Fanning wrote:

> David Fanning writes:

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>

>> No problems whatsoever. Mismatch between 64-bit OS and

>

>> 32-bit ImageMagick? Really don't know.

>

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> Is ImageMagick installed on this machine, or is it

>

> being acquired over a network?

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> David

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> David Fanning, Ph.D.
>
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>
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Subject: Re: Saving via ImageMagick with Coyote Routines fails II
Posted by [David Fanning](#) on Wed, 21 Nov 2012 01:42:46 GMT
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JP writes:

> it's like convert doesnt like postscript here :(

Ah! I learned recently that ImageMagick has dependencies on Ghostscript, which it apparently uses to do some PostScript-type things. Perhaps this is the problem. Is Ghostscript installed on that machine?

I use the Ghostscript and the GSView program (really nice!) that is found here:

<http://pages.cs.wisc.edu/~ghost/>

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Saving via ImageMagick with Coyote Routines fails II
Posted by [JP](#) on Wed, 21 Nov 2012 02:08:54 GMT
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Bingo!!

Yes, that's the problem. Installed Ghostscript and all working now!!

now I see some people have mentioned this in the ImageMagick forums...

Thanks!

JP

On Wednesday, 21 November 2012 12:42:46 UTC+11, David Fanning wrote:

> JP writes:

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>> it's like convert doesn't like postscript here :(

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> Ah! I learned recently that ImageMagick has dependencies on

>

> Ghostscript, which it apparently uses to do some PostScript-type

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> things. Perhaps this is the problem. Is Ghostscript installed

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> I use the Ghostscript and the GSView program (really nice!)

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> that is found here:

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> <http://pages.cs.wisc.edu/~ghost/>

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> Cheers,

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> David

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> David Fanning, Ph.D.

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> Fanning Software Consulting, Inc.

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Subject: Re: Saving via ImageMagick with Coyote Routines fails II
Posted by [JP](#) on Wed, 21 Nov 2012 04:13:27 GMT
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BTW, and I already knew about this, ImageMagick doesn't like network paths such as:
\\wron\working\

it needs to map the network drive first

David, if you are going to update the user instructions in your scripts it may be worth saying that?

JP

On Wednesday, 21 November 2012 13:08:54 UTC+11, JP wrote:

> Bingo!!
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>
> Yes, that's the problem. Installed Ghostscript and all working now!!
>
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>
> now I see some people have mentioned this in the ImageMagick forums...
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> Thanks!
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> JP

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>> JP writes:
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>> Cheers,
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Subject: Re: Saving via ImageMagick with Coyote Routines fails II

Posted by [JP](#) on Wed, 21 Nov 2012 06:10:50 GMT

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maybe people should read the documentation first? ;)

from PS_End:

If `ImageMagick` is installed

on your computer, you can easily convert PostScript output to GIF, JPEG, PNG, and TIFF raster output. If `Ghostscript` is installed you can convert PostScript output to PDF files.

from cgPlot:

All raster file output is created through PostScript intermediate files (the PostScript files will be deleted), so ImageMagick and Ghostview MUST be installed to produce anything other than PostScript output.

On Wednesday, 21 November 2012 15:13:28 UTC+11, JP wrote:

> BTW, and I already knew about this, ImageMagick doesn't like network paths such as:

>

> \\wron\working\

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>

> it needs to map the network drive first

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> David, if you are going to update the user instructions in your scripts it may be worth saying that?

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> JP

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> On Wednesday, 21 November 2012 13:08:54 UTC+11, JP wrote:

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>> Thanks!
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>>> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Saving via ImageMagick with Coyote Routines fails II
Posted by [David Fanning](#) on Wed, 21 Nov 2012 14:05:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

JP writes:

> maybe people should read the documentation first? ;)

Yeah, but writing documentation is a fool's errand.
Worse place in the world to put important information. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
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