
Subject: Re: GIF compression support in ImageMagick - Re-Post
Posted by [Mark Hadfield](#) on Thu, 04 Nov 2004 18:55:24 GMT
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Lince M Lawrence wrote:

- > friends
- >
- > As in this message. How can I enable LZW in ImageMagick? Where should
- > I alter the default option as advocated in the Quoted mail
- > "--enable-lzw (configuration switch)"

That is an option to the "./configure" command, and applies if & only if you are building from source. If you have installed a binary release, the option may, or may not, have been applied when it was built.

The LZW patents on GIF have now expired (more or less). I believe current releases of ImageMagick support LZW compression by default (but I haven't checked and can't say for sure, as I never use GIF). So your best solution may be to download and install the current version of ImageMagick.

- > Currently I am using ImageMagick to convert EPS to GIF by punchin in
- > the following command sequence in the command line:
- >
- > convert -antialias -transparent white -colors 16 -compress LZW
- > eqn10.eps eqn10.gif
- >
- > The output should come around 4K, whiile using the above command I get
- > a comparitively huge file of 20K. So I think the command "-compress
- > LZW" is not executed correctly (may be due to the disabled LZW option)

It looks that way.

- > Kindly pour-in your valuable comments.

Could you use PNG? It's much better in many respects.

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: GIF compression support in ImageMagick - Re-Post
Posted by [Ben Panter](#) on Fri, 05 Nov 2004 10:16:10 GMT
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Lince M Lawrence wrote:

> It end up with the following error:
> sh: line 1: /usr/local/bin/gs: No such file or directory
> sh: line 1: /usr/local/bin/gs: No such file or directory
> convert: Postscript delegate failed `eqn10.eps'.
> convert: missing an image filename `eqn10.gif'.
>
> What should I do. What is the missing component?

As far as I can see, the missing component is gs - a program which deals with postscript interpretation. Quick solution would be to put a softlink from /usr/local/bin/gs to where ever you actually have ghostscript. Proper solution would involve compiling IM to know where gs really is.

type

where gs

to find this (in a shell, not IDL).

Hope that helps,

Ben

--

Ben Panter, Edinburgh, UK

email is false. Use my name (no spaces) at bigfoot which is a com.

Subject: Re: GIF compression support in ImageMagick - Re-Post
Posted by [Lince.Lawrence](#) on Fri, 05 Nov 2004 10:58:36 GMT
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Mark Hadfield <m.hadfield@niwa.co.nz> wrote in message
news:<cmdtuu\$3g\$1@newsreader.mailgate.org>...

> The LZW patents on GIF have now expired (more or less). I believe
> current releases of ImageMagick support LZW compression by default (but
> I haven't checked and can't say for sure, as I never use GIF). So your
> best solution may be to download and install the current version of
> ImageMagick.

As you have adviced. I have updated the latest version. Now my problem with the new version:

When I execute the command:

```
convert -antialias -transparent white -colors 16 -compress LZW  
eqn10.eps eqn10.gif
```

It end up with the following error:

```
sh: line 1: /usr/local/bin/gs: No such file or directory  
sh: line 1: /usr/local/bin/gs: No such file or directory  
convert: Postscript delegate failed `eqn10.eps'.  
convert: missing an image filename `eqn10.gif'.
```

What should I do. What is the missing component?

Thanks,
Lince M Lawrence

Subject: Re: GIF compression support in ImageMagick - Re-Post

Posted by [tam](#) on Fri, 05 Nov 2004 14:37:54 GMT

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Ben Panter wrote:

> Lince M Lawrence wrote:

>

>> It end up with the following error:

>> sh: line 1: /usr/local/bin/gs: No such file or directory

>> sh: line 1: /usr/local/bin/gs: No such file or directory

>> convert: Postscript delegate failed `eqn10.eps'.

>> convert: missing an image filename `eqn10.gif'.

>>

>> What should I do. What is the missing component?

>

>

> As far as I can see, the missing component is gs - a program which deals

> with postscript interpretation. Quick solution would be to put a

> softlink from /usr/local/bin/gs to where ever you actually have

> ghostscript. Proper solution would involve compiling IM to know where gs

> really is.

>

Don't think you need to recompile... There is a delegates.mgk file
(or something like that) that is read at run time to find the
delegates.

Tom

Subject: Re: GIF compression support in ImageMagick - Re-Post

Posted by [Lince.Lawrence](#) on Mon, 08 Nov 2004 03:52:23 GMT

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Tom McGlynn <am@lheapop.gsfc.nasa.gov> wrote in message
news:<cmg3v5\$942\$1@skates.gsfc.nasa.gov>...

> Don't think you need to recompile... There is a delegates.mgk file
> (or something like that) that is read at run time to find the
> delegates.

Thanks to all. Now Magic is working fine.
I have another doubt. What should I do to optimize colour, also impart
16 colour, colour table.

Lince M Lawrence

Subject: Re: GIF compression support in ImageMagick - Re-Post

Posted by [Mark Hadfield](#) on Mon, 08 Nov 2004 20:33:07 GMT

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Lince M Lawrence wrote:

> Thanks to all. Now Magic is working fine.
> I have another doubt. What should I do to optimize colour, also impart
> 16 colour, colour table.

I'm afraid you'll have to explain that question further. How do you mean
"optimize" and "impart 16 colour, colour table"? By the latter do you
mean "16-colour colour table"? You do mean 16-colour, not 16-bit colour?
Are you asking about ImageMagick here, or IDL?

It may be that these URLs are relevant:

<http://www.imagemagick.org/www/ImageMagick.html#details-colors>
<http://www.imagemagick.org/www/ImageMagick.html#details-depth>

They describe a couple of the options supported by ImageMagick.

--

Mark Hadfield "Ka puwaha te tai nei, Hoea tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)

Subject: Re: GIF compression support in ImageMagick - Re-Post

Posted by [Lince.Lawrence](#) on Tue, 09 Nov 2004 14:12:17 GMT

Mark Hadfield <m.hadfield@niwa.co.nz> wrote in message
news:<cmol6d\$ipu\$1@newsreader.mailgate.org>...

- > I'm afraid you'll have to explain that question further. How do you mean
- > "optimize" and "impart 16 colour, colour table"? By the latter do you
- > mean "16-colour colour table"? You do mean 16-colour, not 16-bit colour?
- > Are you asking about ImageMagick here, or IDL?

I will explain...

We do "convert -antialias -transparent white -trim -depth 16 -colors
16 \$1 \$2" and we get... (in Image Magic)

=====

Image: si1.gif

Format: GIF (CompuServe graphics interchange format)

Geometry: 7x7

Class: PseudoClass

Type: grayscale with transparency

Depth: 8 bits-per-pixel component

Colors: 16

0: (0, 0, 0) opaque

1: (4369, 4369, 4369) #111111

2: (8738, 8738, 8738) #222222

3: (13107,13107,13107) grey20

4: (17476,17476,17476) #444444

5: (21845,21845,21845) #555555

6: (30583,30583,30583) #777777

7: (34952,34952,34952) #888888

8: (43690,43690,43690) #aaaaaa

9: (48059,48059,48059) #bbbbbb

10: (56797,56797,56797) #dddddd

11: (61166,61166,61166) #eeeeee

12: (65535,65535,65535) white

13: (0, 0, 0) opaque

14: (0, 0, 0) opaque

15: (0, 0, 0) opaque

Filesize: 173b

Interlace: None

Background Color: white

Border Color: #dfdfdf

Matte Color: grey74

Page geometry: 7x7+0+0

Compression: LZW

comment: Image generated by GNU Ghostscript (device=pngmraw)

signature: 344c27d208a7f8792078b3c8e5b568e17387b4dbec3489f3173b0f5b57dd 584c

Tainted: False

User Time: 0.0u
Elapsed Time: 0:01

=====

But.. we want...

=====

Image: si1finished.gif
Format: GIF (CompuServe graphics interchange format)
Geometry: 9x7
Class: PseudoClass
Type: palette with transparency
Depth: 8 bits-per-pixel component
Colors: 16
0: (0, 0, 0) opaque
1: (8224, 8224, 8224) #202020
2: (24415,24415,24415) #5f5f5f
3: (42148,42148,42148) #a4a4a4
4: (53970,53970,53970) #d2d2d2
5: (59110,59110,59110) #e6e6e6
6: (63479,63479,63479) grey97
7: (65535,65535,65535) white
8: (32896,32896,32896) #808080
9: (65535, 0, 0) red
10: (0,65535, 0) #00ff00
11: (65535,65535, 0) yellow
12: (0, 0,65535) blue
13: (65535, 0,65535) #ff00ff
14: (0,65535,65535) cyan
15: (65535,65535,65535) white
Filesize: 170b
Interlace: None
Background Color: opaque
Border Color: #dfdfdf
Matte Color: grey74
Page geometry: 9x7+0+0
Compression: LZW
comment: Image generated by GNU Ghostscript (device=pngmraw)
signature: e02bdca57b1481410dd349058fa9d3d150e8ee97c714a1eaed51b0f7699a 79d4
Tainted: False
User Time: 0.0u
Elapsed Time: 0:01

=====

This result is obtained by another batch process in GraphicConverter
after the comand-line batch in Magic. Will I get this in a single
step?

What change should I make in the command. Please help

Thanks,
Lince M Lawrence
