Posted by Phillip Bitzer on Wed, 17 Feb 2016 14:44:07 GMT

Folks-

Weird issue I've come across in the past few days. It seems the behavior of FILE_LINES has changed from 8.4 to 8.5.

I've used a line of code like this since pre-7 days with no problems:

nLines = FILE_LINES(f, /COMPRESS)

where f is a basic gzipped file.

Now, this returns zero for me.

Anyone else using FILE_LINES with compressed files?

Here's a concrete example:

IDL> f='LYLOUT_120522_030000_3600.dat.gz'

(File available here: https://goo.gl/ROaE3J)

Under 8.4, I get:
IDL> file_lines(f, /compress)
        123806

but under 8.5 I get:
IDL> file_lines(f, /compress)
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The file really is gzipped:
$ file LYLOUT_120522_030000_3600.dat.gz
LYLOUT_120522_030000_3600.dat.gz: gzip compressed data, was
"LYLOUT_120522_030000_3600.dat", from Unix, last modified: Sat Jul 7 08:30:46 2012, max
compression

Running on Mac 10.9.5 FWIW.

Subject: Re: FILE_LINES change in 8.4
Posted by markb77 on Wed, 17 Feb 2016 15:52:53 GMT

I see the same thing on Windows x64, IDL 8.5

Posted by Lajos Foldy on Wed, 17 Feb 2016 16:00:47 GMT
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It's a bug. IDL 8.4 works fine:

IDL> print, !version & help, file_lines('LYLOUT_120522_030000_3600.dat.gz', /compress)
{ x86_64 linux unix linux 8.5.1 Nov 14 2015   64   64}
<Expression>   LONG64   =   0

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regards,
Lajos

It's a regressionOn Wednesday, February 17, 2016 at 3:44:15 PM UTC+1, Phillip Bitzer wrote:
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Subject: Re: FILE_LINES change in 8.4
Posted by chris_torrence@NOSPAM on Fri, 26 Feb 2016 22:02:30 GMT
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On Wednesday, February 17, 2016 at 9:00:51 AM UTC-7, fawltyl...@gmail.com wrote:
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Yep, I was able to reproduce this. In IDL 8.5 we fixed a different bug to allow GZ files greater than 4 Gb to work properly. That fix inadvertently broke file_lines with gzip compressed files.

It will be fixed in the next IDL version.

Thanks for reporting!

-Chris

Subject: Re: FILE_LINES change in 8.4
Posted by markb77 on Mon, 29 Feb 2016 11:47:16 GMT
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On Friday, February 26, 2016 at 11:02:34 PM UTC+1, Chris Torrence wrote:
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hi Chris,

Can you give us more details about the change with respect to opening zipped files larger than 4GB?

thanks
Mark