

titan writes:

```
> if I try to run the following code lines
>
> utm_fname=IMAGE(png_fname, GEOTIFF=geotag)
> utm_fname.SAVE, png_fname+'.kmz'
>
>
>
> I get the following error:
>
> SAVE: Unable to allocate memory: to make array.
>
> and the dimensions of the image are:
> PNG_IMAGE    BYTE    = Array[3783, 4318]
>
> I surfed the web and I find some interesting articles like the following one:
> http://www.idlcoyote.com/misc\_tips/idl8mem.html
>
> but it seems that the problems is still present even ii was supposed to be solved.
>
> I have 4 GB of RAM, a Quad core processor 2.40GHz mounted on a 32-bit windows 7
(unfortunately I can't work on Linux)
>
> Could someone tell me how to change it to avoid having (if possible) that error??
```

Well, it is conceivable that at least 65 MBytes or so is needed to write that KMZ file, if IDL is going to write a color PNG file with an alpha channel (which is what I would do). So, $3783 \times 4318 \times 4 = 65.4$ MByte.

I think the problem is probably your 32-bit OS:

http://www.idlcoyote.com/fileio_tips/lgfiles.html

It is certainly *possible* that you don't need all those pixels over there on Google Earth to see what it is you hope to see. You might try running `cgImage2KML` and using the `Resize_Factor` keyword to reduce the size of your image before the alpha PNG file is created. It looks like your image is a GeoTiff file, so something like this will probably work:

cgImage2KML, GeoTiff=geoFilename, Resize_Factor=0.25

You can read more about it here:

http://www.idlcoyote.com/cg_tips/image2kml.php

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: Memory Allocation Problem- IDL 8.2
Posted by [titan](#) on Tue, 13 Nov 2012 14:34:47 GMT

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On Friday, November 9, 2012 3:09:20 PM UTC+1, David Fanning wrote:

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> --
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> David Fanning, Ph.D.
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>
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
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many Thanks David,

It works perfectly!!

regards
