Subject: Re: reading large files
Posted by David Fanning on Sun, 29 Mar 2009 23:40:42 GMT
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R.G. Stockwell writes:

> i have data from matlab that I converted to binary files,
> and I am trying to read into IDL for further processing.
>
> I can allocate the arrays:
>
> tlen = 274L
> ntracks = 253574L
> ; allocate arrays
> u   = dblarr(tlen,ntracks)
>
>
> but I cannot read the file. Here is the error message:
> Insufficient system resources exist to complete the requested service.
>
> I'm using version 6.3 on windows, is this something that is
> fixed in IDL 7?

I have no trouble executing those commands on my 32-bit
Windows XP OS in either IDL 6.4 or 7.0.3. But I've seen that
insufficient system resources message before. Have you
had an opportunity to restart Windows lately? I wouldn't
be surprised if a Windows reboot helped in this case.

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: reading large files
Posted by R.G. Stockwell on Sun, 29 Mar 2009 23:50:49 GMT
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"David Fanning" <news@dfanning.com> wrote in message
news:MPG.2439b4e5d9afd00c98a681@news.giganews.com...
> R.G. Stockwell writes:
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> insufficient system resources message before. Have you
> had an opportunity to restart Windows lately? I wouldn't
> be surprised if a Windows reboot helped in this case.

Good idea, i'll give it a shot, but I should point out
that I see the error on my laptop, and on my desktop
(both 32 bit windows machines, one is IDL 6.3 the other IDL 6.3,
i haven't tried it in IDL 7 yet).
Very curious.

It seems odd that the array can get allocated. But the read command
is what fails. The file is 555,834,208 bytes which doesn't seem
too big.

cheers,
bob

Subject: Re: reading large files
Posted by R.G. Stockwell on Mon, 30 Mar 2009 00:00:40 GMT
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"R.G. Stockwell" <noemail87@please.com> wrote in message
news:gqp1fk$vl3$1@aioe.org...

>>> I can allocate the arrays:
>>>
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```
>>> u    = dblarr(tlen,ntracks)
>>>
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>>> but I cannot read the file.  Here is the error message:
>>> Insufficient system resources exist to complete the requested service.
```

ok, something weird is going on, and I doubt it is with IDL.
I also fail reading other much smaller files.

I think my files generated in matlab are corrupt for
some reason.

cheers,
bob

Subject: Re: reading large files
Posted by ben.bighair on Mon, 30 Mar 2009 01:44:44 GMT

```
On Mar 29, 8:00 pm, "R.G. Stockwell" <noemai...@please.com> wrote:
> "R.G. Stockwell" <noemai...@please.com> wrote in message
>
> news:gqp1fk$vl3$1@aioe.org...
>
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> I also fail reading other much smaller files.
>
> I think my files generated in matlab are corrupt for
> some reason.
>
> cheers,
> bob
```

Hi,

Have you tried the MatLab-IDL generic data exchange routines?   They

have never given me (much) trouble.

http://www.tidewater.net/~pemaquid/gen.zip

Given your hunch, these might not be helpful at all.

Good luck!
Ben

Subject: Re: reading large files
Posted by R.G. Stockwell on Mon, 30 Mar 2009 02:04:32 GMT
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"ben.bighair" <ben.bighair@gmail.com> wrote in message
 news:74eef0a5-9c9e-45d2-9938-252f5445312b@c11g2000yqj.google groups.com...
> On Mar 29, 8:00 pm, "R.G. Stockwell" <noemai...@please.com> wrote:
>> "R.G. Stockwell" <noemai...@please.com> wrote in message
>>
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>> cheers,
>> bob
>
> Hi,
>
> Have you tried the MatLab-IDL generic data exchange routines?   They
> have never given me (much) trouble.
>
> http://www.tidewater.net/~pemaquid/gen.zip
>

> Given your hunch, these might not be helpful at all.
>
> Good luck!
> Ben

no I had not. Thanks for the link I'll take a look.
I actually can read the files now. The problem (which
I still don't understand) seems to have to do with a
networked drive. IDL must have timed out during the read
or something like that.

But now that I moved the files to the local hard drive,
they can get read in no problem.

cheers,
bob