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Subject: Re: running out of memory! can all memory be restored in idl?

Posted by [wmconnolley](#) on Thu, 20 Feb 2003 18:13:48 GMT

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Colette <heald@fas.harvard.edu> wrote:

> I'm running some fairly complex idl code on large satellite data sets  
> and I've encountered some memory barriers. I'd like to loop over a

It may be operating system dependent. On our alphas, I need to say

limit datasize unlimited

to remove artificial memory limits. Try typing

limit

or

ulimit and see if it says anything. What is you o/s?

-W.

--

William M Connolley | [wmc@bas.ac.uk](mailto:wmc@bas.ac.uk) | <http://www.nerc-bas.ac.uk/icd/wmc/>

Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself

I'm a .signature virus! copy me into your .signature file & help me spread!

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Subject: Re: running out of memory! can all memory be restored in idl?

Posted by [heald](#) on Wed, 26 Feb 2003 21:22:42 GMT

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wmc@bas.ac.uk wrote in message news:<3e551adc@news.nwl.ac.uk>...

> Colette <heald@fas.harvard.edu> wrote:

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I've been told that our system does have all the artificial memory limits removed.

Our sysadmin tells me that we're running Origin 200 with irex 6.5.3.

I'm using idl 5.3 in a multi-user configuration...at any time 6-8

people can be running idl off the same server system. Do you know if

idl shares memory from a common pool? I wonder if that may be

contributing to my problem. I'm finding it really frustrating to deal

with though since there seems to be no easy way to track memory within

idl (I'm finding the help, /memory command to be quite cryptic).

If you (or anyone else!) have any suggestions I'd love to hear them!

...Colette

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Subject: Re: running out of memory! can all memory be restored in idl?

Posted by [wmconnolley](#) on Wed, 26 Feb 2003 22:19:01 GMT

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Colette <heald@fas.harvard.edu> wrote:

> I've been told that our system does have all the artificial memory

> limits removed.

Fair enough, but type "limit" or "ulimit" (or ask your system folk what the SGI version is) and see what it says.

> Our sysadmin tells me that we're running Origin 200 with irex 6.5.3.

> I'm using idl 5.3 in a multi-user configuration...at any time 6-8

> people can be running idl off the same server system. Do you know if

> idl shares memory from a common pool? I wonder if that may be

Assuming a standardish unix setup, yes. Run "top", and watch it as you start IDL up: this should show you memory usage changing. At the least, this should tell you what the system memory actually is both physical and swap).

> contributing to my problem. I'm finding it really frustrating to deal

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William M Connolley | [wmc@bas.ac.uk](mailto:wmc@bas.ac.uk) | <http://www.nerc-bas.ac.uk/icd/wmc/>

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Subject: Re: running out of memory! can all memory be restored in idl?

Posted by [Chris\[1\]](#) on Fri, 28 Feb 2003 03:11:25 GMT

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If you are using pointers and objects, then the "heap\_gc" command may be of help. It frees all the heap variables.

Chris

"Colette" <heald@fas.harvard.edu> wrote in message  
news:f4846f64.0302261322.6769a585@posting.google.com...  
> wmc@bas.ac.uk wrote in message news:<3e551adc@news.nwl.ac.uk>...  
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