
Subject: Re: Max memory on IRIX?

Posted by [Patrick Broos](#) on Fri, 12 May 2000 07:00:00 GMT

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Dave,

Just a thought ... The cshell in Solaris imposes various limits on
the resources that child processes can

use, including the data size. In my shell the command "limit"
will show the current settings.

<P>Regards,

Patrick Broos

<P>Dave Wyble wrote:

<BLOCKQUOTE TYPE=CITE>We're having some memory difficulties. The problem
is that we cannot

seem to get IDL to use any more than about 1.2GB of RAM. We have tons
of

swap space allocated, and have verified that it is used correctly.

No

matter what we do, IDL seems to have a maximum amount of memory it
will

give us, and then no more is to be had.

<P>The procedure is to simply allocate storage:

z1 = fltarr(1000,1000,20)

z2 = ...

until the out of memory error occurs. We monitor system memory and
swap

space used. There is nothing else running on the machine, and since
we

don't approach the 8GB limit of physical memory, swap space doesn't
seem

to come into play.

<P>The system specifics are:

SGI Onyx2

8 CPUs

8 GB memory

IDL 5.2 or 5.3 (identical results)

<P>Any ideas out there?

<P>Thanks in advance for your help.

<P>Dave Wyble

Munsell Color Science Laboratory

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Subject: Re: Max memory on IRIX?

Posted by [davidf](#) on Fri, 12 May 2000 07:00:00 GMT

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Dave Wyble (wyble@cis.rit.edu) writes:

- > We're having some memory difficulties. The problem is that we cannot
- > seem to get IDL to use any more than about 1.2GB of RAM. We have tons of
- > swap space allocated, and have verified that it is used correctly. No
- > matter what we do, IDL seems to have a maximum amount of memory it will
- > give us, and then no more is to be had.
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- > The procedure is to simply allocate storage:
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- > space used. There is nothing else running on the machine, and since we
- > don't approach the 8GB limit of physical memory, swap space doesn't seem
- > to come into play.
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- > The system specifics are:
- > SGI Onyx2
- > 8 CPUs
- > 8 GB memory
- > IDL 5.2 or 5.3 (identical results)
- >
- > Any ideas out there?

I don't know any of the details, but I do know IDL 5.4

is meant to address the problem of working with large data sets. This may well be one of the problems they are working on. I'd check with RSI.

Cheers,

David

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