
Subject: Re: What are the memory limitations of 64-bit IDL?
Posted by [David Fanning](#) on Fri, 13 Feb 2009 18:40:06 GMT
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Ed Hyer writes:

- > What are the limitations I am operating under here? How do I evaluate
- > the memory state of 64-bit IDL?

I would just assume lots and lots, but not enough. :-)

Cheers,

David

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

Subject: Re: What are the memory limitations of 64-bit IDL?
Posted by [Foldy Lajos](#) on Fri, 13 Feb 2009 18:50:43 GMT
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On Fri, 13 Feb 2009, Ed Hyer wrote:

- > So, I just got the operating system on my 4-year-old 64-bit machine
- > upgraded to 64-bit Fedora, and am basking in the joys of 64-bit IDL.
- > However, I have found:
- >
- > 1) It is still possible to get the dreaded "cannot allocate memory"
- > error;

Yes, the limit is virtual memory size (ulimit -v). You can add more swap space.

- > 2) MEMTEST.PRO, my trusted advisor for years, produces nonsense
- > results in 64-bit IDL.

There is a bug in memtest.pro, it uses LONG instead of LONG64.
(I don't have the source code, but it is easy to fix it.)

regards,
lajos
