Subject: Re: What are the memory limitations of 64-bit IDL? Posted by David Fanning on Fri, 13 Feb 2009 18:40:06 GMT View Forum Message <> Reply to Message

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

-

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 View Forum Message <> Reply to Message

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, Iajos