Subject: Re: 32 vs 64 bit idl memory acces
Posted by Lajos Foldy on Tue, 07 Feb 2012 13:25:19 GMT
View Forum Message <> Reply to Message

On Feb 7, 1:36 pm, Christopher <c.bonn...@gmail.com> wrote:
> Hi all,
>
> With the 32 bit IDL is there a lit to the amount of memory it can acces?
> Is the 32 bit IDL limited to ~4GB or am I being very naive about this?
> (the machine has 8gb ram)
>
> Cheers,
>
> C

The limit depends on your OS, it may be far below 4GB. You can read
about it here: http://www.exelisvis.com/Support/HelpArticleDetail/ArticleId /3346.aspx

regards,
Lajos

Subject: Re: 32 vs 64 bit idl memory acces
Posted by c.bonnett on Tue, 07 Feb 2012 16:21:57 GMT
View Forum Message <> Reply to Message

I running snow-leopard 64 bit on mac with i7 intel processor.
Am then right in assuming idl(32 bit) can acces more then ~4gb of
memory?

regards,

Christopher

On Feb 7, 2:25 pm, Lajos Foldy <fawltylangu...@gmail.com> wrote:
> On Feb 7, 1:36 pm, Christopher <c.bonn...@gmail.com> wrote:
>
>> Hi all,
>
>> With the 32 bit IDL is there a lit to the amount of memory it can acces?
>> Is the 32 bit IDL limited to ~4GB or am I being very naive about this?
>> (the machine has 8gb ram)
>
>> Cheers,
>

>> C
>
> The limit depends on your OS, it may be far below 4GB. You can read
> about it here:http://www.exelisvis.com/Support/HelpArticleDetail/Arti cleId/3346.aspx
>
> regards,
> Lajos

Subject: Re: 32 vs 64 bit idl memory acces
Posted by Lajos Foldy on Tue, 07 Feb 2012 17:27:56 GMT
View Forum Message <> Reply to Message

On Feb 7, 5:21 pm, Christopher <c.bonn...@gmail.com> wrote:
> I running snow-leopard 64 bit on mac with i7 intel processor.
> Am then right in assuming idl(32 bit) can acces more then ~4gb of
> memory?

32 bit programs use 32 bit pointers. Memory is byte addressable, so 32
bit pointers can address 4GB at most. You can determine the maximum
size of available memory experimentally by running MEMTEST (http://
 www.exelisvis.com/Support/HelpArticleDetail/ArticleId/3441/P
rogram-to-assess-memory-fragmentation-memtest-pro.aspx).

Use 64 bit IDL, I think it runs fine on snow leopard and you'll be
able to access all your memory.

regards,
Lajos

Subject: Re: 32 vs 64 bit idl memory acces
Posted by Kenneth P. Bowman on Wed, 08 Feb 2012 17:00:08 GMT
View Forum Message <> Reply to Message

In article <9320e1cd-6fab-4620-ac5e-41d3c2626275@o13g2000vbf.googlegroups.com>,
 Lajos Foldy <fawltylanguage@gmail.com> wrote:

>> I running snow-leopard 64 bit on mac with i7 intel processor.
>> Am then right in assuming idl(32 bit) can acces more then ~4gb of
>> memory?
>
> Use 64 bit IDL, I think it runs fine on snow leopard and you'll be
> able to access all your memory.

Both 32-bit and 64-bit versions of IDL are supported on OS X 10.5.7

and 10.6.

It runs (but is not officially supported) on 10.7 (Lion). Next release,
I think.

   http://www.exelisvis.com/Support/HelpArticleDetail/ArticleId /4659.aspx

Ken Bowman