
Subject: Re: Array has too many elements?

Posted by [Michael Wallace](#) on Fri, 19 Dec 2003 16:32:31 GMT

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According to the "What's New In IDL 5.4" manual, RSI added large file (> 2.1GB) support for Windows. Apparently, you can use the 64-bit integer data type to read and write data from files. However, there aren't any examples and I've never tried it myself since I avoid Windows like the plague.

HTH,

Mike W

Jamie wrote:

> Take a look at the idl/external/export.h file that came with IDL as this
> defines most of the limits. You, of course, cannot change them but it is
> helpful to know what they are. In particular, getting beyond the 32-bit
> address limit is problematic and very OS dependent. Unless I missed
> something in version 6, IDL is still compiled as a 32-bit application.

>

> See:

> <http://www.rsinc.com/services/techtip.asp?ttid=2597>

> <http://www.rsinc.com/services/techtip.asp?ttid=3617>

>

> Or do a search for 'memory' in:

> <http://www.rsinc.com/services/search.asp>

>

> Jamie

>

> On Fri, 19 Dec 2003, Jonathan Greenberg wrote:

>

>

>> Followup question -- I've now come across a lot of discussion about windows
>> boxes and memory problems under IDL (David Fanning, thats a terrific website
>> you have (<http://www.dfanning.com/>)-- wish I had found it a few weeks ago!).
>> Do these problems simply not exist on UNIX boxes (given ample amount of RAM
>> + pagefile space)? I reprogrammed a slow but memory conservative version of
>> this algorithm I'm working on using a bunch of for-next loops -- after all
>> the discussion I've been seeing about how for-next loops stink, I recoded
>> the algorithm using mostly matrix calls -- but of course I need more memory
>> to do these, hence the array has too many elements error. I'm tempted to
>> switch over to a slower UNIX box if this memory problem won't show up...
>> thoughts?

>>

>> --j

>>

>> "Jonathan Greenberg" <greenberg@ucdavis.edu> wrote in message

```
>> news:amyEb.209$rX6.10@newssvr29.news.prodigy.com...
>>
>>> Is there some intrinsic limitation in how big an array can get in IDL?
>>
>> The
>>
>>> one in question was a fltarr of 170 x ~ 4,000,000 which gave me the "Array
>>> has too many elements." error. I have about 2gb of memory on my machine,
>>> and a 2 gb pagefile. Did I simply run out of memory, or is there
>>
>> something
>>
>>> else going on here?
>>>
>>> --j
>
>
```
