
Subject: Re: Array has too many elements?

Posted by [Bringfried Stecklum](#) on Fri, 19 Dec 2003 11:00:55 GMT

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Jonathan Greenberg wrote:

> Followup question -- I've now come across a lot of discussion about windows
> boxes and memory problems under IDL (David Fanning, that's 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

>

You need a 64 bit CPU to overcome the memory problem (or more accurately, to shift the barrier beyond your current needs). The ~1.5GB limit in memory and the maximum amount of 2^{31} array elements result from the 32 bit architecture (irrespective of running windows or linux).

regards,

Bringfried Stecklum
