Subject: Re: Array has too many elements?
Posted by Jonathan Greenberg on Fri, 19 Dec 2003 19:54:46 GMT
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So, any suggestions for the best way of getting around these limitations (I mean, without having to buy a 64-bit machine) -- how about chopping the array up into smaller blocks and performing for-next loops -- processing part of the array, writing the results, and then processing the next part? Are there better ways than this?

--j

"Bringfried Stecklum" <stecklum@tls-tautenburg.de> wrote in message news:brufv7qgm1@fsuj29.rz.uni-jena.de...
> 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
>>
> 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
>