
Subject: Re: CALL_EXTERNAL + structures + arrays
Posted by [Nigel Wade](#) on Thu, 21 Sep 2000 07:00:00 GMT
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Matthew Newcomb wrote:

>
> G'day,
>
> I'm writing some C code to read compressed data files. The function
> takes a structure argument which has one of the fields as an array. I
> want to be able to dynamically resize this array. The structure looks
> like:
>
> devInfo={devInfoStr, epoch:0L, creationTime:0L, numlines:0L,
> linesPerType:LONARR(256), bytesPerType:LONARR(256), lenScanList:0L,
> devName:" ", scanlist:????? }
>
> The field I'm talking about is the 'scanlist' field. The scanlist can
> be size 1 to UINTMAX. How can I make it an array of bytes?
>
> Thanks for any suggestions.
>
> Matt

It might be time to bite the bullet and get into LINKIMAGE or DLMs.
Then you could create your devInfoStr structure in your C code, and
scanlist could be an array of any size, of any type.

Or, to be more sneaky, you could create the structure in IDL, pass
it into your C code where you could change the dimensions of the
structure
and allocate a new area of memory for it. Of course, this may create
core
leaks or seg. faults if you are not very careful.

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