Subject: Re: Array of associated variables?
Posted by sso on Fri, 21 Jan 2005 08:58:46 GMT
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Thanks! This works, but my code still doesn't. The difference which makes my program crash is the definition of the a=assoc(...) which in my code is a structure. It's like this:

openu, inun, filename, /swap_if_little_endian, /get_lun
a = assoc(inun, strucval, headpos)

where strucval is a structure (consisting of various types of float/long data) and headpos is the offset. There's another difference also, and that's the open statement above, but I guess that shouldnt cause the program to crash.

So it seems as the use of pointer arrays for associated variables doesnt work when the associated variable is a structure? Hmm. I must admit I get somewhat confused with this. Perhaps it's what one would call a bug? At least it doesnt only halt. The whole idl session crashes, returns to the Unix environment and give me the Unix message "Segmentation fault" which normally indicates a rather serious error.

Guess I will have to leave the array of associated vars. then and try to circumvent this in some way(?)

Sverre

David Fanning wrote:
> sso@nilu.no writes:
>
>> However, I dont get this really to work. It's probably a basic error I
>> am doing, but a code like this will crash.
>>
>> all = ptrarr(n, /allocate_heap)
>>
>> FOR i = 0, n-1 DO BEGIN
>> ;..define a, the associated variable (that works)
>> p = ptr_new(a)
>> all(i) = p
>> ENDFOR
>>
>> ;..extract values back:
>> a = all(0)

>> pval = *a
>>
>> ----------
>> I'm not that into pointers so it may be a simple error
>
> Don't know. Looks right to me. Here is my example:
>
> n=3
> filename = 'junk'
> all = ptrarr(n)
>
> FOR I = 0, n-1 DO BEGIN
> Openw, lun, filename + String(I, format='(i1)') +'.pro', /Get_Lun
> a = Assoc(lun, Bytarr(200))
> p = ptr_new(a)
> all[I] = p
> ENDFOR
>
> ;..extract values back:
> a = all[0]
> pval = *a
> help, pval
> END
>
> And here is what I get:
>
> IDL> .COMPILE "C:\RSI\David\assoc_ptr.pro"
> % Compiled module: $MAIN$.
> IDL> .go
> PVAL BYTE = File<C:\RSI\David\junk0.pro> Array[200]
>
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/