Subject: Re: DLM structures passing
Posted by ronn on Thu, 23 Aug 2001 22:52:11 GMT
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in article onn14qwlui.fsf@cow.physics.wisc.edu, Craig Markwardt at craigmnet@cow.physics.wisc.edu wrote on 8/23/01 4:41 PM:

>
> Konrad Lang <klang@cosy.sbg.ac.at> writes:
>
>> I try to pass a structure consisting of structures to a DLM and did not
>> find a way how to obtain the data from
>> the inner structures. What I have done can be found in the following:
>>
>> IDL:
>> tt0= {a:0L, b:0.0}
> ...
>> test = {t1:tt, t2:rr}
>>
>> mydlm, test
>>
>> So, I have no idea about the data structure that will be passed to
>> the DLM mydlm with this call???
>
> I do not believe that passing structures to DLMs is presently
> documented. Presumably it is documented internally by RSI, but I have
> never seen how to do it from the existing public documentation.
>
Yes, you can do it and if you look really hard at the external development guide you can find out the information. You first have to make sure that the structure is defined identically on the C and IDL side. This means using longs on the IDL side and IDL_STRING types on the C side. If you are passing arrays of structures you also have to worry about some padding that IDL does.

Like I said you can find all this in the external development guide (in the IDL help directory, usually) or in Chapter 7 of my "Calling C from IDL" book.

-Ronn

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"Application Development with IDL"ï¿½ programming book updated for IDL5.4!
"Calling C from IDL, Using DLM's to extend your IDL code" NEW BOOK!