Subject: Re: DLM's and C code
Posted by Richard Tyc on Wed, 09 Jan 2002 15:39:09 GMT
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I was thinking of IDL_Message too, but the descriptions of the 'actions' possible puzzled me :
From Docs:

IDL_MSG_EXIT - Use this argument to cause the IDL process to exit after the message is issued. This code should never be used in a system function or procedure - it is intended for use in other sections of the system.

Is my C stub in the DLM/DLM a system function or procedure. Would this work or would it crash IDL? I will try it

IDL_MSG_LONGJMP - It is an error to use this action code in code not called by the IDL interpreter since the resulting call to longjmp() will be invalid.
I assume this would be my case since I am deeply nested in the DLL and not in the C function directly called by the interpreter.

So unless IDL_MSG_EXIT works, I don't think this will do. I will try it.

Thanks
Rich

Craig Markwardt <craigmnet@cow.physics.wisc.edu> wrote in message news:onk7usoxty.fsf@cow.physics.wisc.edu...
>
> "Richard Tyc" <Richard_Tyc@sbrc.umanitoba.ca> writes:
>
>
>> A somewhat IDL related question.
>> I am trying to link in some C code via a DLM. I use a wrapper routine to
>> handle the call from IDL and manipulate the args and return data. Within the
>> wrapper, I call C functions linked in through another DLL.
>>
>> What is the best way to handle errors while deeply nested within layers of C
>> functions.? The ANSI C code I am using essentially had exit(1) calls for
>> major errors. Is there an IDL_ function (like say an exit handler) I can
>> call to cleanly return to IDL rather than a trying to modify the call stack
>> and get back to the IDL wrapper function to perform something like a return

>> IDL_StrToSTRING("ERROR") ;
>
> For example, do you mean the routine IDL_Message() ?
>
> Looking in the EDG, there are lots of cool options you can use, which
> define what happens after the error is triggered.
>
> Craig
>
> --
> -- --------------
> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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