
Subject: Re: DLM's and C code

Posted by [Craig Markwardt](#) on Sat, 12 Jan 2002 01:53:56 GMT

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"Richard Tyc" <Richard_Tyc@sbrc.umanitoba.ca> writes:

> Thanks Craig,

>

> I am now using IDL_MSG_LONGJMP since in many cases IDL_MSG_RET does not get
> me back to the C function called by the IDL interpreter (ie. the function
> found in the *.dlm file which can be called from within IDL). Typically ,
> the error is deeply nested in another c function inside a linked in DLL or
> simply another C function not "visible" to IDL but in the same overall *.c
> program compiled with MAKE_DLL.

>

> I am a bit surprised LONGJMP works since the docs say :
> "... 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. "

>

> But, a seemingly safe return to the IDL command line occurs with the
> message:

> % Execution halted at: \$MAIN\$

>

> Go figure....

Hi Rich--

I'm still not sure you are getting it :-)

If you have a situation like this:

IDL interpreter calls FUNC.PRO, which calls dlm function X, which
calls Y which calls Z

and an error occurs in "Z" then here are the possibilities:

- * IDL_MSG_LONGJMP will always return to IDL, skipping X, Y and FUNC.PRO
(by return to IDL I mean return to the IDL command line)
- * IDL_MSG_RET will always return to FUNC.PRO

If you want to return to X or Y, then skip all that IDL nonsense and
setup your own setjmp()/longjmp() calls.

Good luck,
Craig

--

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
