Subject: Re: DLM's and C code Posted by Craig Markwardt on Sat, 12 Jan 2002 01:53:56 GMT View Forum Message <> Reply to Message "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 longimp() 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 interpretter 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 setimp()/longimp() calls. Good luck, Craig