Subject: dynamic memory in call_external
Posted by Vapuser on Mon, 25 Jan 1999 08:00:00 GMT

I have someone in my office who wants to know:

 Is it advisable to create and destroy memory within a CALL_EXTERNAL
routine? (that is, can one safely use malloc and free?) Or must one
make the routine(s) in question LINKIMAGE routines and the idl memory
management routines (IDL_MEMAlloc, IDL_MEMfree and IDL_GetScratch)
available in that environment.

  Secondly, can one create an array in IDL (in the interpreter) that
is page aligned (i.e. as if one had done it using the 'valloc' version
of malloc in C) which can then be passed down into the CALL_EXTERNAL
routine.

  This comes from someone who is trying to write wrappers for a set of
device drivers for a data capture board.

whd