Subject: Re: Some MAKE_DLL questions
Posted by Michael Galloy on Mon, 19 Oct 2015 16:58:10 GMT

View Forum Message <> Reply to Message

On 10/19/15 7:30 AM, nata wrote:
> Hi guys,
>
> I've never created a sharable library from C code to be used by IDL
with CALL_EXTERNAL.
> I was wondering if it would be possible to create some parallel code
using C + OpenMP and then generate de DLL. I don't know if this is
possible since the documentation says:
> "Not every possible option supported by the C compiler or system
linker is addressed, only those commonly needed by IDL-related C code."

You can pass flags to the EXTRA_CFLAGS and EXTRA_LFLAGS keywords. I've
not used OpenMP, are there just special flags to use? You will also have
to make sure MAKE_DLL is set to use the correct compiler.

> I have some more questions related to the DLLs:
> - Are they platform independent? Can they be used in Mac, Win, Linux?

Absolutely not. But use the PLATFORM_EXTENSION keyword with MAKE_DLL (or
just use the correct string in the name) to make many shared objects,
each one valid and named for a particular platform. IDL will use the
correct one.

> - How is the memory managed? Are the variables copied to a different block?

I'm not sure what you mean.

> Thank you for all your help and clarifications,
> Nata
>

--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)