
Subject: Re: DLL Interfacing; MOMENT comments
Posted by [davidf](#) on Wed, 01 Dec 1999 08:00:00 GMT
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Bill B (wbiagiot@suffolk.lib.ny.us) writes:

- > The task actually
- > boils down to the topic that I've been avoiding learning due to my
- > current workload - having IDL utilize an external predefined DLL.
- >
- > Also, is there a purchasable reference that does a good job of
- > explaining the above process?. David or Ronn, if you cover this one,
- > I'll break down and spring for a copy of your book :) .

Uh, no. I was waiting for you to send me the notes, Bill,
so I could include it in the new 2000 update. :-)

Cheers,

David

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Toll-Free IDL Book Orders: 1-888-461-0155

Subject: DLL Interfacing; MOMENT comments
Posted by [wbiagiot](#) on Thu, 02 Dec 1999 08:00:00 GMT
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Hi Fellow IDLers,

I've been working concurrently with IDL, MS C, and the National Instruments VISA library for awhile now. It never occurred to me until now to ask if anyone has interfaced IDL with NI-VISA. The task actually boils down to the topic that I've been avoiding learning due to my current workload - having IDL utilize an external predefined DLL. I'm suspecting that there needs to be an intermediate layer between the two - something of the 'DLM' form. If anyone can advise, please do.

Also, is there a purchasable reference that does a good job of explaining the above process?. David or Ronn, if you cover this one, I'll break down and spring for a copy of your book :) .

On an unrelated topic, there has been mention of the MOMENT routine recently. I've just done some digging through it in another

speed-related issue. If you need to perform alot StdDev's or Means, you might consider writing your own, as I did. MOMENT is calculating *all* the calculations (Skewness, Kurtosis, et al) *all* the time - no matter what you ask for. In fact, calling the STDDEV routine, only routes the process over to MOMENT - whee!

Thanks all,

-Bill B.

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"They don't think it be like it is, but it do."

Oscar Gamble, NY Yankees

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Subject: Re: DLL Interfacing; MOMENT comments
Posted by [wbiagiot](#) on Mon, 06 Dec 1999 08:00:00 GMT
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Hi Justin,

That was an interesting case that you supplied as I have been using an external DLM-type module that I obtained from this thread for playing wav. files in my application. I will be happy to switch when I get my maintenance release of IDL 5.3 (soon, RSI?) I reread the documentation on call_external and alot of things fell into place. The only downside that I can see is that the external DLL module must support the ARGCV parameter conventions - not that bad unless you are planning on calling routines that don't currently adhere to this (the National Instruments VISA/VXI library does not). If the source code is not available to recompile the module, an interface layer looks like it might be necessary.

Thanks for your help,

Bill B.

--

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