Subject: Re: How to call an IDL procedure from a DLM
Posted by Haje Korth on Thu, 23 Feb 2006 13:26:54 GMT

Maurizio,
What you are trying to do is an interesting concecpt, but I don't think DLMs
are intended to work this way. At least I have never run across an example
for such use. Isn't the whole purpose of DLMs, call_external, etc. to call
code that is specifically NOT implemeneted in IDL? Why would you bother
writing a DLM if the functionality is already present in IDL?

My guess is that you probably have to go out and find an external C or
FORTRAN library that does what you want, e.g. Numerical Recipes. RSI manuals
often specify the source of their external algorithms. Or, if the algortihm
is written in IDL, you can just translate it.

This may just be well above my head, so maybe Karl has some input on this.
If this should really work, I would be interested in seeing an example. I
would be afraid that each of these calls need to start an independent IDL
session, thus leading to significant slowdown.

Cheers,
Haje

"Maurizio Tomasi" <tomasi@lambrate.inaf.it> wrote in message
news:dthqki$eh1$1@muffin.area.ba.cnr.it...
> Last week I posted a request for help, since my DLM produced a number of
> "Stopped on unknown instruction" errors. After some debugging, I found
> that the problem resides in IDL_ExecuteStr, which is not usable in DLMs
> since it has been meant to be used only with Callable IDL.
>
> However, I still need to call an IDL procedure from my DLM. I looked for a
> IDL_CallProc function, but I have had no success. Does somebody know if
> there is a way to do this?
>
> Thank you very much,
>   Maurizio Tomasi.