Subject: Re: idl to fortran
Posted by Michael Galloy on Wed, 10 Nov 2010 21:08:46 GMT
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On 11/10/10 1:48 PM, nata wrote:
> You can use parallel code in IDL using the IDL_IDLBridge object.
> The IDL_IDLbridge object allows an IDL session to create and control
> other IDL sessions. If you want to share data between sessions you can
> use SHMMAP.
> It is not very nice but I got some satisfactory results for large
> computations.
>
> You can also take a look at http://www.txcorp.com/products/FastDL/
>
> Cheers,
> nata

Disclaimer: I work for Tech-X Corporation and have worked on the products described below.

Yes, FastDL has both MPI and task farming options if you want to go that route. Another option to look into for increased performance is GPU computing (an option that can be combined with FastDL). We have a library of routines called GPULib, gpulib.txcorp.com, which can be called from IDL. Here's the API documentation to see what operations already exist:

http://www.txcorp.com/products/GPULib/idl_docs/index.html

We're always interested in hearing about what new routines would be useful, so if GPULib can't currently do the analysis you are hoping to do, contact me about what you need.

Mike
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