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Subject: IDL --> C++ ?

Posted by [Robert\[1\]](#) on Thu, 24 Oct 2002 20:18:32 GMT

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Hi folks,

is there any application out there to translate IDL source code to C++ source code ? Even buggy solutions are welcome ,) ...

If there is no possibility right now, i'm going to programm eigher a full freatured ( free ! ) translator or a set of classes/ librarys that'll allow easy rewriteing any IDL application within C++ . ( helping hands and minds are more then welcome... )

thank you for reading and for any response,

Robert

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Subject: Re: IDL --> C++ ?

Posted by [cees](#) on Tue, 29 Oct 2002 12:12:17 GMT

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Robert wrote:

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>  
> thank you for reading and for any response,  
>  
> Robert

Ehhh,

seems like an awfull lot of work to me.

Writing a translator for IDL source-code to C++ isn't impossible.

(Even the weak/strong type issues can be solved.)

But how do you plan to include the "internal" IDL-functions ?

(like plot, surface, where etc...)

I think it's a waste of energy and while I see the advantages of a

IDL->C++ translator, rewriting IDL isn't the solution I think.

There are other free/open source alternatives to IDL out there (though I haven't tried/used them). I think it's easier to adapt them.

Regards,

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Subject: Re: IDL --> C++ ?

Posted by [R.G. Stockwell](#) on Mon, 04 Nov 2002 22:35:51 GMT

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> Robert wrote:

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>>

>> thank you for reading and for any response,

>> Robert

My 2 cents.

I think you could do an automatic translation of about 20% of IDL source code without too much of a problem. The remainder I think would take about 10 man years (uh.. human years, ..uh.. hu-person years.... uh... hu-per-offspring years?...).

At which time you could start to test the code. Add another 15 man years (you'll want to run the translator on all idl routines and many combinations thereof).

One problem would be updating your translator every year or so when a new version of IDL comes out. Ideally, the user would be able to select what version of IDL source code would be translated.

I'd be interested to see an "idl source code to C++ translation" just merely of histogram, where, sort, uniq, rebin (and the scientific formats routines too, HDf, NetCDF). Please post them to this newsgroup. When you get those finished, maybe you can start your project. :)

Cheers,  
bob stockwell

PS It would probably be easier to grab the machine instructions out of memory and decompile it into c code. Then translate that into C++ object oriented code.

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