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Subject: Re: How does IDL find functions?

Posted by [Benjamin Hornberger](#) on Fri, 17 Jun 2005 22:20:45 GMT

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robertschaefer@gmx.de wrote:

> Hello IDL community,  
>  
> I'm looking for a smart solution to find functions from my own lib  
> inside a self written function or procedure.  
> The idea is to get a tree of embedded self written functions.  
>  
> My solution looks like this but I think there must be an easier way:  
>  
> -generate a list of functions in user-lib  
> -Read the function where to search (openr)  
> -compare each line (string) with the list of lib functions  
> (how to extract function names elegantly? -> strsplit with '=( ' :  
> definitely not)  
> -save coincide functions (strings) and go on searching into found  
> functions  
>  
> Does anybody (I'm sure ;-) ) know how IDL find functions on compiling?  
> This may be exactly the right (fast) way...  
>  
> Any ideas? ...Thanks for help...  
>  
> Best regards  
>  
> robert  
>

I'm not quite sure what you want to do, but if the question is just how IDL finds procedures and functions to compile, the following article will tell you:

<http://www.dfanning.com/tips/namefiles.html>

If you want to determine the directory in which a function or procedure was found:

<http://www.dfanning.com/documents/programs.html#PROGRAMROOTDIR>

The FILE\_WHICH() function is also useful.

In general, you always want to put IDL program files into the IDL path.

Good luck,  
Benjamin

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Subject: Re: How does IDL find functions?  
Posted by [R.Bauer](#) on Sun, 19 Jun 2005 07:49:37 GMT  
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>

You should have a look at catalog\_db from our library.

[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_source/idl\\_html/idl\\_work\\_libraries.htm](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/idl_work_libraries.htm)

The output you like to have you'll see by clicking on one of the database icons

The trick is to call idl to find the necessary info itself.

> Does anybody (I'm sure ;-) ) know how IDL find functions on compiling?  
> This may be exactly the right (fast) way...

Yes call idl, see above.

cheers  
Reimar

>  
> Any ideas? ...Thanks for help...  
>  
> Best regards  
>  
> robert

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Forschungszentrum Juelich  
email: R.Bauer@fz-juelich.de  
<http://www.fz-juelich.de/icg/icg-i/>

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a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

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