
Subject: Re: Who called that procedure?

Posted by [R.Bauer](#) on Thu, 05 Feb 2009 09:37:49 GMT

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mgalloy schrieb:

> Reimar Bauer wrote:

>> mgalloy schrieb:

>>> wlandsman wrote:

>>>> This is a minor problem but it has cost me a half-hour a couple of
>>>> times.

>>>>

>>>> I run RESOLVE_ALL to make sure that I am including all necessary
>>>> procedures when distributing software. One procedure may yield ~200
>>>> compiled supporting procedures, and I see one -- say obsolete.pro --
>>>> that should not be being used any more. So I want to know which of
>>>> the 200 procedures is still calling obsolete.pro. There does not
>>>> seem to be any pattern to the order of procedures displayed by
>>>> RESOLVE_ALL so that does not help. What would be nicest I suppose
>>>> would be a tree diagram of all the dependencies.

>>>>

>>>> In the end, I can simply grep the 200 procedures to see which one has
>>>> a call to obsolete.pro. But is there a better way? Thanks, -- Wayne

>>> I would like to add the creation of such dependency trees to IDLdoc at
>>> some point. In particular, they would be handy when giving the minimal
>>> amount of source to someone. Concerns about method calls,
>>> call_procedure/call_function/execute, and distinguishing a function call
>>> from an array indexing have always made me delay implementing it.

>>>

>>> I usually end up just searching (although I have replaced grep with ack,
>>> it conveniently ignores .svn directories and some other niceties to
>>> reduce the false positives).

>>>

>>> Another strategy is to put a "compile_opt obsolete" statement in
>>> MY_OBSOLETE_ROUTINE and then set:

>>>

>>> IDL> !warn.obs_routines = 1

>>>

>>> Now, calls to MY_OBSOLETE_ROUTINE will generate syntax errors when
>>> compiled (identifying their exact location in the error message).

>>>

>>> Mike

>>

>> Is it something like this?

>>

>> http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_html/dbase/download/a_and_b_called_from.html

>>

>>

>> http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_html/idl_work_libraries.htm
>>
>>
>> (look at the symbols with the arrow down)
>>
>> May be I can extract the code then.
>>
>> cheers
>>
>> Reimar
>
> Yes, that looks like what I would want (although I would probably list
> the routines called by the routine).

see,

http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_html/dbase/a_and_b_dbase.pro.html

it is the database icon on the idl_work_libraries page. Additional you
can get a sav file or a tgz file by that function also shown on the example.

I assume it handles

> procedures/functions called in the normal way (no methods and no
> routines called with CALL_PROCEDURE, EXECUTE, etc.)? Just those would
> still be quite useful.
>

no it founds everything because uses an idl child process to get that data.

The routine name is catalog_db it is also in that lib.

cheers
Reimar
