Subject: Re: Who called that procedure?
Posted by Michael Galloy on Wed, 04 Feb 2009 15:31:43 GMT
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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). 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.

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