
Subject: Re: Reporting routines called
Posted by [Pavel A. Romashkin](#) on Fri, 04 Jan 2002 18:50:47 GMT
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One way to do this is to use the Profiler. It doesn't print them but it does show them.

Pavel

Gabe wrote:

>
> Hello,
>
> In IDL, is it possible to print out which routines are called during
> execution?
> I can print out all compiled routines using help, /routines. It would
> be very helpful to know which of these are called in which order.
>
> Thanks

Subject: Re: Reporting routines called
Posted by [John-David T. Smith](#) on Fri, 04 Jan 2002 23:31:18 GMT
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"Pavel A. Romashkin" wrote:

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> One way to do this is to use the Profiler. It doesn't print them but it
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> Pavel
>
> Gabe wrote:
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>> execution?
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>> be very helpful to know which of these are called in which order.
>>
>> Thanks

Or try:

help,/traceback

If you use IDLWAVE (<http://idlwave.org>), you can just insert a breakpoint and navigate the call stack with C-c C-d C-Up. This is even nicer, because you can see the context of each call in the code itself,

print variables local to that stack level, etc.

Good luck,

JD

Subject: Re: Reporting routines called

Posted by [Pavel A. Romashkin](#) on Sat, 05 Jan 2002 06:03:38 GMT

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From: "JD Smith" <jdsmith@astro.cornell.edu>> If you use IDLWAVE

(<http://idlwave.org>), you can just insert a

> breakpoint and navigate the call stack with C-c C-d C-Up. This is even
> nicer, because you can see the context of each call in the code itself,
> print variables local to that stack level, etc.

For those of us deprived of the luxury of using the Wave, you can resort
also to inserting a breakpoint in the IDL DE and look up the call stack.
Breakpoints in DE have nice features such as conditional breaking, breaking
on the counter, etc.

Good luck,

Pavel

P.S. I am afraid I will be forever deprived of the Wave mode because I can't
stand the Xwindows interface that I used so far :(

Subject: Re: Reporting routines called

Posted by [R.Bauer](#) on Sat, 05 Jan 2002 15:18:54 GMT

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Gabe wrote:

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> be very helpful to know which of these are called in which order.
>
> Thanks

Dear Gabe,

a keyword of help whil do this.

help,call=call
print,call

Reimar

--

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-1)

Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de

<http://www.fz-juelich.de/icg/icg1/>

=====

a IDL library at Forschungszentrum Juelich

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>

=====

read something about linux / windows

<http://www.suse.de/de/news/hotnews/MS.html>

Subject: Re: Reporting routines called

Posted by [John-David T. Smith](#) on Sun, 06 Jan 2002 06:56:29 GMT

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Pavel Romashkin wrote:

>

> From: "JD Smith" <jdsmith@astro.cornell.edu>> If you use IDLWAVE

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> Breakpoints in DE have nice features such as conditional breaking, breaking

> on the counter, etc.

> Good luck,

> Pavel

> P.S. I am afraid I will be forever deprived of the Wave mode because I can't

> stand the Xwindows interface that I used so far :(

I share your pain, Pavel, but you might be on a collision course with XWindows if you stay with Mac, since the OS X version of IDL due out is hosted by an X11 server. Maybe then you could give IDLWAVE a try, on a suitable snazzy-looking Emacs of course ;) :

<http://emacs-on-aqua.sourceforge.net/>

JD

P.S. IDLWAVE can do conditional/repeated breaks, etc. too.
