
Subject: Re: Problem using sav files.

Posted by [Theo Brauers](#) on Thu, 21 Sep 2000 07:00:00 GMT

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Liam Gumley wrote:

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> It's probably a long shot, but instead of using RESOLVE_ALL, have you tried
> compiling only your procedures and functions, and saving them? In other
> words, allowing the built-in routines to compile at runtime?
>
> Cheers,
> Liam.

Thanks for your advice: When I compiled my program I excluded already about 50 routines (mainly from our library) which are never reached in this application

```
excluded=['DL_MAC','DL_VMS','SETLOG','DELLOG' $  
          , 'NCDF_G','NCDF_GR', ..... , 'CT_YELLOW_RED_BLUE_GREEN_BLACK' $  
          , 'ENL_OPLOT' ]
```

in response to your posting I also excluded the following routines from the RS\IDL53\lib directory

```
excluded = [ excluded $  
            , 'DOC_LIBRARY' $  
            , 'IDL_CRANK' $  
            , 'MK_HTML_HELP' $  
            , 'RESOLVE_ALL' $  
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```
RESOLVE_ALL, SKIP_ROUT=excluded
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The problem remains the same. When I skip resolve_all and compile the whole thing during the the run for one data set it works fine for this set. When I SAVE/EXIT/START/RESTORE it crashes IDL again. :-|

Thanks for your help.
Cheers Theo

--

Dr. Theo Brauers
Institut fuer Atmosphaerische Chemie (ICG-3)
Forschungszentrum Juelich
52425 JUELICH, Germany
Tel. +49-2461-61-6646 Fax. +49-2461-61-5346
<http://www.kfa-juelich.de/icg/icg3/MITARBEITER/th.brauers.ht ml>

Subject: Re: Problem using sav files.
Posted by [Liam E. Gumley](#) on Thu, 21 Sep 2000 07:00:00 GMT
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Theo Brauers <th.brauers@fz-juelich.de> wrote in message news:39C9FFCA.138B6B3D@fz-juelich.de...
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> consists of about 400 functions/routines. When I compile the
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Cheers,
Liam.
<http://cimss.ssec.wisc.edu/~gumley>

Subject: Re: Problem using sav files.

Posted by [Theo Brauers](#) on Thu, 21 Sep 2000 07:00:00 GMT

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David Fanning wrote:

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>
> You will go a long way toward solving the problem if you
> stick some kind of Catch error handler in those functions/routines.
> It is hard to write an application with 4 functions that doesn't
> have some kind of error, let alone 400! I use a Catch
> error handler in most of my widget programs that is some
> variation of this:
>
> Catch, theError
> IF theError NE 0 THEN BEGIN
> Catch, /Cancel
> Widget_Control, event.top, Set_UValue=info, /No_Copy
> ok = Error_Message(Traceback=1, /Error)
> RETURN
> ENDIF
>
> The Error_Message program can be found on my web page. It
> will put the system error message (!Error_State.Msg) in
> a Dialog_Message if appropriate for the device. Otherwise,
> it will use Message. But setting the Traceback keyword
> will lead you directly to the error. :-)
>
> Cheers,
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> David
>

Hi again:

I put your code into those routines which are called in the vicinity of the crash. No error during the operation from compiled routines. It crashes again IDL coming up with Dr.Watson. The exception is an access violation 0xc0000005 at address 0x02854f14. The problem is that you cant step through a program loaded from sav file. Since the error doesnot occur during the operation from freshly compiled I am trapped Probably its better to report the error to RSI or to wait for IDL5.4.

Best Theo

--

Dr. Theo Brauers
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Subject: Re: Problem using sav files.
Posted by [Theo Brauers](#) on Thu, 21 Sep 2000 07:00:00 GMT
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David Fanning wrote:

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>> Does anybody have similar problems? Is there any possibility
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>> I am using: { x86 Win32 Windows 5.3.1 Feb 23 2000}
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> David
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Hi David

Thanks for your advice. I am going to try it. However, the problem is that the program runs perfectly when compiled and it crashes IDL (WinNT Dr. Watson shows up) when restored from sav file. Correct me if I am wrong but I always thought that the SAVE/EXIT/START/RESTORE combination puts me back to the location where I came from, not lightyears away.

Best Theo

Subject: Re: Problem using sav files.
Posted by [davidf](#) on Thu, 21 Sep 2000 07:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

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David Fanning, Ph.D.
Fanning Software Consulting
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: Problem using sav files.
Posted by [Liam E. Gumley](#) on Fri, 22 Sep 2000 07:00:00 GMT
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Theo Brauers <th.brauers@fz-juelich.de> wrote in message
news:39CA6F2B.6268BFB2@fz-juelich.de...

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> Liam Gumley wrote:
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- > it crashes IDL again. :-|

The next step would be to reproduce the problem with the fewest lines of code.

Cheers,

Liam.

<http://cimss.ssec.wisc.edu/~gumley>
