
Subject: Re: problem executing code "saved" using SAVE command

Posted by [david\[2\]](#) on Wed, 18 Jul 2001 17:09:07 GMT

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Thomas S. Spisz writes:

First of all, Tom, please turn off your HTML markup. Not many of us will brave the distraction to answer questions with all this nonsense in it. :-)

```
> <!doctype html public "-//w3c//dtd html 4.0 transitional//en">
> <html>
> &nbsp;
> <br>I have a problem with IDL code that I "saved" (<i>compiled</i>) using
> the SAVE command -- it doesn't execute the same as the same code run directly
> from the IDL Development Environment.&nbsp; (By the way, I do realize that
> you can't really <i>compile</i> IDL code.)&nbsp; Let me explain the situation.&nbsp;
> First of all, I'm on Windows NT machine, and IDL 5.4.
> <p>I have a set of procedures with one procedure called 'main_gui.pro'
> that is the main procedure that calls other procedures.&nbsp; I can enter
> IDL, compile 'main_gui.pro' and all it's necessary procedures.&nbsp; Then
> type 'resolve_all', and run it -- it does beautifully.
> <p>However, if I enter IDL, compile 'main_gui.pro' and all it's necessary
> procedures.&nbsp; Then type 'resolve_all'.&nbsp; Then type
> <br>"save, filename='c:\main_gui.sav', /routines"&nbsp; which saves everything
> into that single binary file.&nbsp; When I double-click on 'main_gui.sav',
> it does execute but not correctly.&nbsp; It leaves out certain plotting
> commands and has some widget errors that shouldn't occur and do not occur
> if run directly from IDL Development Environment as stated in previous
> paragraph.
> <p>The real bummer is that I cannot debug this problem because when I execute
> the 'main_gui.sav' file, then IDL is in run-time mode.&nbsp; Therefore,
> I don't see the output log and cannot use any of the debug capabilities
> in the IDL Development Environment.
> <p>Any knowledge or help with this problem is greatly appreciated.
> <p>Tom Spisz
> <br>Johns Hopkins University Applied Physics Laboratory
> <br>11100 Johns Hopkins Road
> <br>Laurel, MD&nbsp; 20723-6099
> <br>240-228-7260
> <br>tom.spisz@jhuapl.edu
> <br>&nbsp;
> <br>&nbsp;
> <br>&nbsp;</html>
```

It is possible that you have objects in your code.
Those objects will need to be compiled separately,
as RESOLVE_ALL won't see them.

And in the back of my mind (in the reptilian portion, I think) I vaguely remember a problem saving a save file directly on the hard drive. Did this involve a space in the filename...? I can't remember and can't seem to find a reference to it. But try saving this into a folder on your C drive and see if this works.

Cheers,

David

--

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 executing code "saved" using SAVE command

Posted by [R.Bauer](#) on Wed, 18 Jul 2001 17:17:13 GMT

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Dear Tom,

I have written a compile routine for idl.

And we have had no problems with this compiled code.

You should try this routine.

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/compile.tar.gz

```
idl > compile,'main_gui.pro'
```

and additional a function inside is created
main_gui_info

```
print,main_gui_info()
```

shows all compiled and embedded pro and sav files.
(last modification ,file /dir ...)

RESTRICTIONS:

!PATH is undefined during runtime
execute won't work in runtime

If my routine won't work I am interested to learn from you!

regards
Reimar

p.s. better you don't post HTML

"Thomas S. Spisz" wrote:

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> SAVE command -- it doesn't execute the same as the same code run
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> realize that you can't really compile IDL code.) Let me explain the
> situation. First of all, I'm on Windows NT machine, and IDL 5.4.
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> I have a set of procedures with one procedure called 'main_gui.pro'
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> IDL, compile 'main_gui.pro' and all it's necessary procedures. Then
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> "save, filename='c:\main_gui.sav', /routines" which saves everything
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> it does execute but not correctly. It leaves out certain plotting
> commands and has some widget errors that shouldn't occur and do not
> occur if run directly from IDL Development Environment as stated in
> previous paragraph.
>
> The real bummer is that I cannot debug this problem because when I
> execute the 'main_gui.sav' file, then IDL is in run-time mode.
> Therefore, I don't see the output log and cannot use any of the debug
> capabilities in the IDL Development Environment.

You can restore the file in the idl development and execute then
main_gui.

If you see that's something additional is compiled then this is the
reason
why it's not working

>

> Any knowledge or help with this problem is greatly appreciated.
>
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> tom.spisz@jhuapl.edu
>
>
>
regards

Reimar
--
Reimar Bauer

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Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg1/>

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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>

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read something about linux / windows
<http://www.suse.de/de/news/hotnews/MS.html>

Subject: Re: problem executing code "saved" using SAVE command
Posted by [Thomas S. Spisz](#) on Wed, 18 Jul 2001 19:29:23 GMT
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Sorry about the html -- didn't realize that.

Anyway, I tried your compile routine. I was able to create the main_gui.sav file. But it did not work because for some reason it didn't recognize one of my functions (although it was compiled). One explanation (maybe) is that I don't have the procedures compiled in a strict order. For instance, a procedure may use another procedure that was compiled after the first one. Also, the 'print,main_gui_info()' did not work either.

Your suggestion of restoring the '.sav' file in the IDLDE was a good one. I tried it. Sure enough it works like it is supposed to. So, I'm

still stuck with a working version when running from IDLDE, but problems when running it as a run-time program.

thanks anyway.

--tom

Reimar Bauer wrote:

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> idl > compile,'main_gui.pro'
>
> and additional a function inside is created
> main_gui_info
>
> print,main_gui_info()
>
> shows all compiled and embedded pro and sav files.
> (last modification ,file /dir ...)
>
> RESTRICTIONS:
> !PATH is undefined during runtime
> execute won't work in runtime
>
> If my routine won't work I am interested to learn from you!
>
> regards
> Reimar
>
> p.s. better you don't post HTML
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> "Thomas S. Spisz" wrote:
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> If you see that's something additional is compiled then this is the
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>>
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> 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.h tml](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html)
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> <http://www.fz-juelich.de/zb/text/publikation/juel3786.html>
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> read something about linux / windows
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Subject: Re: problem executing code "saved" using SAVE command
Posted by [R.Bauer](#) on Thu, 19 Jul 2001 10:04:48 GMT
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> one. I tried it. Sure enough it works like it is supposed to. So, I'm
> still stuck with a working version program when running from IDLDE, but problems
> when running it as a run-time program.
>
> thanks anyway.
> --tom

Here is my next idea

If you store all your procedures and function from the main_gui file
in several files in one directory then you should have no problems
to have them compiled in the right order.

In idl sav files will same handled as procedures. It's not necessary
to restore them first - a call is enough.
The main_gui_info() is available after the routine in idl is once used.
I am not sure if I have explained this in this way.

Are you using system variables?

regards
Reimar

```
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> Reimar Bauer wrote:
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