## Subject: Re: problem executing code "saved" using SAVE command Posted by david[2] on Wed, 18 Jul 2001 17:09:07 GMT

View Forum Message <> Reply to Message

#### 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>
- >
- > <br/>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. (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.
- > I have a set of procedures with one procedure called 'main\_gui.pro'
- > that is the main procedure that calls other procedures. I can enter
- > IDL, compile 'main\_gui.pro' and all it's necessary procedures. Then
- > type 'resolve\_all', and run it -- it does beautifully.
- > However, if I enter IDL, compile 'main\_gui.pro' and all it's necessary
- > procedures. Then type 'resolve\_all'. Then type
- > <br/>save, filename='c:\main\_gui.sav', /routines"&nbsp; which saves everything
- > into that single binary file. When I double-click on 'main\_gui.sav',
- > 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.
- > Any knowledge or help with this problem is greatly appreciated.
- > Tom Spisz
- > <br>Johns Hopkins University Applied Physics Laboratory
- > <br>>11100 Johns Hopkins Road
- > <br>Laurel, MD&nbsp; 20723-6099
- > <br/>br>240-228-7260
- > <br/>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

View Forum Message <> Reply to Message

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 qui.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:

>

> I have a problem with IDL code that I "saved" (compiled) using the

- > SAVE command -- it doesn't execute the same as the same code run
- > directly from the IDL Development Environment. (By the way, I do
- > 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.

- > I have a set of procedures with one procedure called 'main\_gui.pro'
- > that is the main procedure that calls other procedures. I can enter
- > IDL, compile 'main\_gui.pro' and all it's necessary procedures. Then
- > type 'resolve\_all', and run it -- it does beautifully.

>

- > However, if I enter IDL, compile 'main\_gui.pro' and all it's necessary
- > procedures. Then type 'resolve all'. Then type
- > "save, filename='c:\main\_gui.sav', /routines" which saves everything
- > into that single binary file. When I double-click on 'main\_gui.sav',
- > 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 qui.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 qui.

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. > > Tom Spisz > Johns Hopkins University Applied Physics Laboratory > 11100 Johns Hopkins Road > Laurel, MD 20723-6099 > 240-228-7260 > tom.spisz@jhuapl.edu > > regards 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/zb/text/publikation/juel3786.html

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 View Forum Message <> Reply to Message

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 explaination (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:
> 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:
>
>>
>>
>> I have a problem with IDL code that I "saved" (compiled) using the
>> SAVE command -- it doesn't execute the same as the same code run
>> directly from the IDL Development Environment. (By the way, I do
>> 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.
>>
>> I have a set of procedures with one procedure called 'main_qui.pro'
>> that is the main procedure that calls other procedures. I can enter
>> IDL, compile 'main_qui.pro' and all it's necessary procedures. Then
>> type 'resolve_all', and run it -- it does beautifully.
>>
>> However, if I enter IDL, compile 'main_gui.pro' and all it's necessary
>> procedures. Then type 'resolve all'. Then type
>> "save, filename='c:\main gui.sav', /routines" which saves everything
>> into that single binary file. When I double-click on 'main gui.sav',
>> 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.
>>
>> Tom Spisz
>> Johns Hopkins University Applied Physics Laboratory
>> 11100 Johns Hopkins Road
>> Laurel, MD 20723-6099
>> 240-228-7260
>> tom.spisz@jhuapl.edu
>>
>>
> regards
>
 Reimar
> Reimar Bauer
>
> Institut fuer Stratosphaerische Chemie (ICG-1)
> Forschungszentrum Juelich
> email: R.Bauer@fz-juelich.de
```

# Subject: Re: problem executing code "saved" using SAVE command Posted by R.Bauer on Thu, 19 Jul 2001 10:04:48 GMT

View Forum Message <> Reply to Message

```
"Thomas S. Spisz" wrote:
```

- > 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
- > explaination (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.

> 46

- > 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
```

```
>
> Reimar Bauer wrote:
>>
>> 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:
>>
>>
>>>
```

```
>>>
>>> I have a problem with IDL code that I "saved" (compiled) using the
>>> SAVE command -- it doesn't execute the same as the same code run
>>> directly from the IDL Development Environment. (By the way, I do
>>> 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.
>>>
>>> I have a set of procedures with one procedure called 'main_qui.pro'
>>> that is the main procedure that calls other procedures. I can enter
>>> IDL, compile 'main qui.pro' and all it's necessary procedures. Then
>>> type 'resolve all', and run it -- it does beautifully.
>>>
>>> However, if I enter IDL, compile 'main_gui.pro' and all it's necessary
>>> procedures. Then type 'resolve_all'. Then type
>>> "save, filename='c:\main_gui.sav', /routines" which saves everything
>>> into that single binary file. When I double-click on 'main_qui.sav',
>>> 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.
>>>
>>> Tom Spisz
>>> Johns Hopkins University Applied Physics Laboratory
>>> 11100 Johns Hopkins Road
>>> Laurel, MD 20723-6099
>>> 240-228-7260
>>> tom.spisz@jhuapl.edu
>>>
>>>
>>>
>> regards
>>
>> 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/zb/text/publikation/juel3786.html
>> >> >>	read something about linux / windows http://www.suse.de/de/news/hotnews/MS.html
Reimar Bauer	
Institut fuer Stratosphaerische Chemie (ICG-1) Forschungszentrum Juelich email: R.Bauer@fz-juelich.de http://www.fz-juelich.de/icg/icg1/	
	======================================
http://www.fz-juelich.de/zb/text/publikation/juel3786.html	
read something about linux / windows http://www.suse.de/de/news/hotnews/MS.html	