Subject: System Variables & .sav files Posted by hyperjiver on Mon, 26 Jul 2004 20:52:34 GMT View Forum Message <> Reply to Message

Hello -

I am trying to create a stand alone application from a an extensive program that is used for image processing. The part I am trying to work on now is the part where the user chooses the default directory. I have this application working from the IDL window or the command prompt, but when I try to run it through the .sav file I create (after Resolve All & also compiling other programs that are not explicitly called), I get a Run time error 'Not a legal system variable'. I have a seperate setup.pro program that I run to set all System variables using DEFSYS and I am not able to figure out where I am going wrong. I have the following questions and it will be great if you pro's can help me with my problem. [I have been working with IDL only for the last two weeks and I am learning as I go..., so excuse the silly questions]

- 1) Do system variables have to be declared in a different way if I intend to run a stand alone application?
- 2) Is there a different way to save the .sav file[I used save,/routines, filename = "somefile.sav"] to have the system variable definitions to be legal?
- 3) Has anyone here encountered similar problems and have a solution to it?

Thank you very much for your time,

Cheers.

-HJ

Subject: Re: System Variables & .sav files Posted by hyperjiver on Wed, 28 Jul 2004 14:35:00 GMT View Forum Message <> Reply to Message

Dear David -

BINGO! That works! Thanks a lot.. :-)

-HJ

David Fanning <davidf@dfanning.com> wrote in message news:<MPG.1b70d5d862961c399897ec@news.frii.com>... > David Fanning writes:

```
>
>>> - When I try to run the macro- it works fine
>>> - When I run all these in the command prompt, it works fine
>>> - To do a standalone application, I executed all these commands in the
>>> command prompt as follows
>>>
           on_error,1
>>>
           .run setup
>>>
           setup
>>>
           .run xmanager
>>>
           .run main
>>>
           resolve all
>>>
           save,/routines, filename = "filename.sav"
>>>
>>>
>>> When I run the .sav file, I get an error - '!MY_dir is not a legal
>>> system variable'
>>
>> Oh, dear. :-(
>>
>> I have to admit there are days when after 16+ years
>> of working with IDL I think I have seen it all. But
>> this setup completely and utterly baffles me. I've never
>> seen the like. :-)
>>
>> As far as I can see the issue is not why this DOESN'T
>> run as a stand-alone application, but why it DOES
>> run in any other configuration!
> After taking a shower and thinking about it a bit
  more, I have a theory. :-)
 I think what is happening is that only the MAIN
  procedure is getting saved, with NO system variables
  set. That's where the error comes from.
>
  Try this. Put the SETUP call in the MAIN routine
  on the first line after the procedure definition
  statement. Something like this"
>
    PRO Main
>
    SETUP
>
>
    END
>
  Then do this in a new IDL session:
>
    IDL> .compile main
>
    IDL> resolve all
```

```
IDL> Save, /Routines, Filename='main.sav'
Exit IDL, and double click "main.sav". Does *that*
work?
Cheers,
David
P.S. Let's just say seeing that ol' XManager call
out there all by his lonesome just gives me the
shivers!!
```