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Subject: System Variables & .sav files

Posted by [hyperjiver](#) on Mon, 26 Jul 2004 20:52:34 GMT

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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

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Subject: Re: System Variables & .sav files

Posted by [hyperjiver](#) on Wed, 28 Jul 2004 14:35:00 GMT

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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:

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>
>>> - 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!!

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