Subject: run .sav file with -args Posted by Truong Le on Mon, 15 Nov 2010 01:22:03 GMT

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Hi All,

I have created a procedure that I can execute from a window command line for example,

idlde sayhello -args param1 param2

when i ran this procedure using the .sav file it didn't work, for example

idl -vm = sayhello.sav -args param1 param2

It complains that the sayhello.sav function/procedure is undefined but the sayhello.sav file does exist. Please let me know if the way I execute my procedure using the .sav file is correct.

Thanks!

Subject: Re: run .sav file with -args
Posted by Truong Le on Mon, 15 Nov 2010 16:53:44 GMT
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On Nov 14, 8:42 pm, Truong Le <truong...@gmail.com> wrote:

> On Nov 14, 8:28 pm, David Fanning <n...@dfanning.com> wrote:
>
>
>
> Truong Le writes:
>>> It complains that the sayhello.sav function/procedure is undefined
>>> but the sayhello.sav file does exist. Please let me know if the way I
>>> execute my
>>> procedure using the .sav file is correct.
>
>> Have you tried specifying the complete path to the file?
>> Cheers,
>> David
>> David

```
>> David Fanning, Ph.D.
>> Fanning Software Consulting, Inc.
>> Coyote's Guide to IDL Programming:http://www.dfanning.com/
>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
> when I type
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> idl sayhello.sav -args param1 param2
> there is a directory widget the pop-up which allows me to select the
> sayhello.sav,
> so I am sure the path is correct.
I read other posting and realize that I can't run the .sav file with -
args.
Here is an example what I try to accomplish.
I have a procedure that takes command line arguments as follow:
pro test
 ; parse the parameters
 numArgs = 2
 par = COMMAND_LINE_ARGS(COUNT=numArgs)
 print, par[0]
 print, par[1]
end
when I ran this procedure from the dos command line using idlde by
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and execute the test procedure it print both "hello" and "hi"
I ran the idlde build project and this creates a test.sav file
I need to know how I can execute idl -vm = test.say from the unix and
passing
in the two arguments that I need. Is this task not possible?
```

**Thanks** 

Subject: Re: run .sav file with -args Posted by ben.bighair on Mon, 15 Nov 2010 17:27:20 GMT View Forum Message <> Reply to Message

```
On 11/15/10 11:53 AM, Truong Le wrote:
> On Nov 14, 8:42 pm, Truong Le<truong...@gmail.com> wrote:
>> On Nov 14, 8:28 pm, David Fanning<n...@dfanning.com> wrote:
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> Thanks
Hi,
I suspect that the spaces you have inserted around "=" might be part of
the issue.
Here's how I run it from command line.
Minke:~ ben$ idl -vm=cmd_args.sav -args hello world
IDL Version 7.1, Mac OS X (darwin x86 64 m64). (c) 2009, ITT Visual
Information Solutions
arg[0] = hello
arg[1] = world
Here's my test routine
PRO cmd_args
  par = COMMAND_LINE_ARGS(COUNT=numArgs)
  IF (numArgs NE 0) THEN BEGIN
    for i = 0, numArgs-1 do $
      print, arg[" + StrTrim(i,2) + "] = " + par[i]
  ENDIF ELSE BEGIN
    print, "No arguments passed"
  ENDELSE
END
I made the SAV file this way...
```

IDL> .full reset

```
IDL> .comp cmd_args
% Compiled module: CMD_ARGS.
IDL> SAVE, /ROUTINES, filename = "cmd_args.sav"
```

Cheers, Ben

Subject: Re: run .sav file with -args Posted by penteado on Mon, 15 Nov 2010 17:36:38 GMT View Forum Message <> Reply to Message

On Nov 15, 3:27 pm, Ben Tupper <ben.bigh...@gmail.com> wrote:

> Hi,

>

- > I suspect that the spaces you have inserted around "=" might be part of
- > the issue.

>

> Here's how I run it from command line.

1.

> Minke:~ ben\$ idl -vm=cmd\_args.sav -args hello world

That is just what I was writing. I have used command line arguments with save files in just that way, with no problems. The pick file dialog is what IDL shows if one calls it with the -vm argument without specifying the savefile to use.

Subject: Re: run .sav file with -args
Posted by Truong Le on Mon, 15 Nov 2010 20:31:30 GMT
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```
On Nov 15, 12:27 pm, Ben Tupper <ben.bigh...@gmail.com> wrote:

> On 11/15/10 11:53 AM, Truong Le wrote:

> >

> On Nov 14, 8:42 pm, Truong Le<truong...@gmail.com> wrote:

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> IDL> .full reset
> IDL> .comp cmd_args
> % Compiled module: CMD ARGS.
> IDL> SAVE, /ROUTINES, filename = "cmd_args.sav"
> Cheers,
> Ben
```

Subject: Re: run .sav file with -args

It works! thanks Ben

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On Nov 15, 3:31 pm, Truong Le <truong...@gmail.com> wrote:
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      ENDIF ELSE BEGIN
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>> END
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```

>> I made the SAV file this way...
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>> IDL> .full\_reset
>> IDL> .comp cmd\_args
>> % Compiled module: CMD\_ARGS.
>> IDL> SAVE, /ROUTINES, filename = "cmd\_args.sav"
>
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>> Ben
>

what do I need to modify to run the .sav file from the window

environment.

I know that window doesn't run idl but idlde so any beln is

I know that window doesn't run idl but idlde so any help is appreciated.

**Thanks** 

> It works! thanks Ben

Subject: Re: run .sav file with -args Posted by ben.bighair on Mon, 15 Nov 2010 23:24:55 GMT View Forum Message <> Reply to Message

On 11/15/10 5:42 PM, Truong Le wrote:

> On Nov 15, 3:31 pm, Truong Le<truong...@gmail.com> wrote:

>

- > what do I need to modify to run the .sav file from the window
- > environment.
- > I know that window doesn't run idl but idlde so any help is
- > appreciated.

>

> Thanks

Hi,

Look at the online docs for "Command Line Options for IDL Startup" (in IDL 7 help it is buried in "IDL Users' Guides > Using IDL > Introducing IDL") - scroll to the bottom for Windows specific info regarding this.

Cheers, Ben

Subject: Re: run .sav file with -args Posted by Truong Le on Tue, 16 Nov 2010 00:16:42 GMT View Forum Message <> Reply to Message

```
On Nov 15, 6:24 pm, Ben Tupper <ben.bigh...@gmail.com> wrote:
> On 11/15/10 5:42 PM, Truong Le wrote:
>> On Nov 15, 3:31 pm, Truong Le<truong...@gmail.com> wrote:
>> what do I need to modify to run the .sav file from the window
>> environment.
>> I know that window doesn't run idl but idlde so any help is
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> Hi,
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> Look at the online docs for "Command Line Options for IDL Startup" (in
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> Cheers.
> Ben
```

Okay, I ran the above example from the window command line but it doesn't print the expected result. It ran through the process that I seen when I ran it under unix. Under the unix I seen the words Hello and World printed out but not when I ran under the window environment. It didn't give any error message so I am at a lost.

idlrt -vm=cmd\_args.sav -args Hello World

Subject: Re: run .sav file with -args
Posted by Truong Le on Tue, 16 Nov 2010 01:45:58 GMT
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```
On Nov 15, 7:16 pm, Truong Le <truong...@gmail.com> wrote:
> On Nov 15, 6:24 pm, Ben Tupper <ben.bigh...@gmail.com> wrote:
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> On 11/15/10 5:42 PM, Truong Le wrote:
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okay, I find out that print, var won't work in the virtual machine
```

Subject: Re: run .sav file with -args
Posted by Truong Le on Tue, 16 Nov 2010 03:03:33 GMT
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under windows. I have to use printf.

```
On Nov 15, 8:45 pm, Truong Le <truong...@gmail.com> wrote:

> On Nov 15, 7:16 pm, Truong Le <truong...@gmail.com> wrote:
>
>> On Nov 15, 6:24 pm, Ben Tupper <ben.bigh...@gmail.com> wrote:
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>> idlrt -vm=cmd args.sav -args Hello World
> okay, I find out that print, var won't work in the virtual machine
> under windows. I have to use printf.
```

Hi Ben,

I have successfully executed the example above in the window environment and so I set out to build a more complicated procedures that I need to create for

my work. After I build my .sav file from using idlde and ran the .sav file

using idlrt -vm=filename.sav -args param1 param2 ...

I get the attempt to call undefined procedure/function:'filename' message.

The .sav file is in the directory. Please let me know what I did wrong.

**Thanks** 

Subject: Re: run .sav file with -args
Posted by penteado on Tue, 16 Nov 2010 03:09:14 GMT
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On Nov 16, 1:03 am, Truong Le <truong...@gmail.com> wrote:

- > I have successfully executed the example above in the window
- > environment and

- > so I set out to build a more complicated procedures that I need to
- > create for
- > my work. After I build my .sav file from using idlde and ran the .sav
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>

- > I get the attempt to call undefined procedure/function:'filename'
- > message.
- > The .sav file is in the directory. Please let me know what I did
- > wrong.

Does 'filename.sav' contain a procedure named 'filename'?

Subject: Re: run .sav file with -args
Posted by Truong Le on Tue, 16 Nov 2010 03:28:24 GMT
View Forum Message <> Reply to Message

On Nov 15, 10:09 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Nov 16, 1:03 am, Truong Le <truong...@gmail.com> wrote:

>

- >> I have successfully executed the example above in the window
- >> environment and
- >> so I set out to build a more complicated procedures that I need to
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- >> my work. After I build my .sav file from using idlde and ran the .sav
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- >> The .sav file is in the directory. Please let me know what I did
- >> wrong.

>

> Does 'filename.sav' contain a procedure named 'filename'?

no

Subject: Re: run .sav file with -args
Posted by Truong Le on Tue, 16 Nov 2010 03:31:00 GMT
View Forum Message <> Reply to Message

On Nov 15, 10:09 pm, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Nov 16, 1:03 am, Truong Le <truong...@gmail.com> wrote:

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I thought you can name the .sav file whatever you want to.

Subject: Re: run .sav file with -args

Posted by David Fanning on Tue, 16 Nov 2010 03:43:22 GMT

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Truong Le writes:

> I thought you can name the .sav file whatever you want to.

Yes, as long as it is the name of the program you are trying to run. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.dfanning.com/

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: run .sav file with -args

Posted by Truong Le on Tue, 16 Nov 2010 03:45:11 GMT

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On Nov 15, 10:43 pm, David Fanning <n...@dfanning.com> wrote:

- > Truong Le writes:
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> > Yes, as long as it is the name of the program you are trying > to run. :-) > Cheers. > David > --> David Fanning, Ph.D. > Fanning Software Consulting, Inc.

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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

okay, thanks guys! it works!

Subject: Re: run .sav file with -args Posted by ben.bighair on Tue, 16 Nov 2010 03:59:08 GMT View Forum Message <> Reply to Message

On 11/15/10 10:03 PM, Truong Le wrote:

> > Hi Ben,

- > I have successfully executed the example above in the window
- > environment and
- > so I set out to build a more complicated procedures that I need to
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>

- > I get the attempt to call undefined procedure/function:'filename'
- > message.
- > The .sav file is in the directory. Please let me know what I did
- > wrong.

Hi,

I suspect that this is \*not\* an issue with the Virtual Machine. To get the most useful help from the list, you should post the complete error message - exactly as IDL prints it.

Without more info we can only guess, and my guess is that somewhere you have a variable called "filename" that you are indexing with parentheses instead of square brackets.

filename(i) <-- IDL might think filename is a function filename[i] <-- an element of a variable 'filename'

But, then again, you might actually have a routine called 'filename' that didn't get compiled and stuffed into the save file, but, nonetheless, gets called by the code that did make it into the save file.

Ben
-----