
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 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.")  
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> when I type  
>  
> 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 doing
idlde -args hello hi

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.sav 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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> print, par[0]

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> I need to know how I can execute idl -vm = test.sav from the unix and
> passing
> in the two arguments that I need. Is this task not possible?
>
> 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.
>
> 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
[View Forum Message](#) <> [Reply to Message](#)

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:
>>> On Nov 14, 8:28 pm, David Fanning<n...@dfanning.com> wrote:
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> % Compiled module: CMD_ARGS.
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>
> Cheers,
> Ben
```

It works! thanks Ben

Subject: Re: run .sav file with -args

Posted by [Truong Le](#) on Mon, 15 Nov 2010 22:42:23 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

> 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:

>>>> On Nov 14, 8:28 pm, David Fanning<n...@dfanning.com> wrote:

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>>   ENDIF ELSE BEGIN
>>     print, "No arguments passed"
>>   ENDELSE
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>> I made the SAV file this way...
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>> IDL> .full_reset
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> It works! thanks 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 help is appreciated.

Thanks

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:

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>
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```

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:
>
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>
> Cheers,
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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
[View Forum Message](#) <> [Reply to Message](#)

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:
>
>
>
>> On 11/15/10 5:42 PM, Truong Le wrote:
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>>> On Nov 15, 3:31 pm, Truong Le<truong...@gmail.com> wrote:
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> any error message so I am at a lost.
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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.

Subject: Re: run .sav file with -args
Posted by [Truong Le](#) on Tue, 16 Nov 2010 03:03:33 GMT
[View Forum Message](#) <> [Reply to Message](#)

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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>>> On 11/15/10 5:42 PM, Truong Le wrote:
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>
>> idlrt -vm=cmd_args.sav -args Hello World
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> 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
[View Forum Message](#) <> [Reply to Message](#)

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

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
[View Forum Message](#) <> [Reply to Message](#)

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
[View Forum Message](#) <> [Reply to Message](#)

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

> Truong Le writes:

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

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> Yes, as long as it is the name of the program you are trying
> to run. :-)
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> David Fanning, Ph.D.
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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,
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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
