
Subject: Re: passing parameters to .sav file in IDL VM
Posted by [Prashanth](#) on Sun, 20 Sep 2009 22:21:18 GMT
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Just forgot to mention.

I have the part to handle the command line arguments as

```
argsarray=command_line_args(count=nparams)
```

```
if nparams eq 3 then begin
```

```
file1=argsarray[0]
```

```
file2=argsarray[1]
```

```
file3=argsarray[2]
```

```
endif
```

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [Vince Hradil](#) on Sun, 20 Sep 2009 22:49:07 GMT
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On Sep 20, 5:21 pm, Prashanth <prashanthred...@gmail.com> wrote:

> Just forgot to mention.

>

> I have the part to handle the command line arguments as

>

> argsarray=command_line_args(count=nparams)

>

> if nparams eq 3 then begin

> file1=argsarray[0]

> file2=argsarray[1]

> file3=argsarray[2]

> endif

That should work - what do you mean by "it doesn't work". What is happening?

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [Prashanth](#) on Mon, 21 Sep 2009 01:45:24 GMT
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I have a condition where the program calls the dialog_pickfile to select the files when the number of parameters is less than 3. When I execute the command with the three arguments at the command line in DOS prompt, it still goes to the dialog_pickfile, which only means that the parameters are not recognized.

Prashanth

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [David Fanning](#) on Mon, 21 Sep 2009 02:39:57 GMT
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Prashanth writes:

> I have a condition where the program calls the dialog_pickfile to
> select the files when the number of parameters is less than 3. When I
> execute the command with the three arguments at the command line in
> DOS prompt, it still goes to the dialog_pickfile, which only means
> that the parameters are not recognized.

An alternative explanation is that the variables
are not set before you get to that part of the code.
That seems entirely more likely to me. :-)

The question really is, what are you *doing* with
those parameters once you pick them up with
Command_Line_Args? I'd guess, not putting them into
your variables.

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: passing parameters to .sav file in IDL VM
Posted by [Prashanth](#) on Mon, 21 Sep 2009 08:55:53 GMT
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Hello David,

The first part of the code goes like this

Pro ChangeView, file1,file2,file3

```
argsarray=command_line_args(count=nparams)
```

```
if nparams eq 3 then begin  
file1=argsarray[0]  
file2=argsarray[1]  
file3=argsarray[2]  
endif
```

```
if (nparams lt 3) then begin  
file1 = DIALOG_PICKFILE(title='Select the first image')  
file2 = DIALOG_PICKFILE(title='Select the second image')  
file3 = DIALOG_PICKFILE(title='Select the change image')  
endif
```

```
img1= read_envi_img(file1,lines=lines, samples=samples, bands=bands)
```

```
.  
.   
.
```

and I try to execute it using

```
idl -vm=changeview.sav -args "c:\june" "c:\october" "c:\june_oct"
```

This one opens the dialog window which means it is not recognizing the input arguments. Is there something wrong with my procedure definition "Pro changeview, file1,file2,file3" ?

Thank you
Prashanth

```
> An alternative explanation is that the variables  
> are not set before you get to that part of the code.  
> That seems entirely more likely to me. :-)  
>  
> The question really is, what are you *doing* with  
> those parameters once you pick them up with  
> Command_Line_Args? I'd guess, not putting them into  
> your variables.  
>  
> 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: passing parameters to .sav file in IDL VM
Posted by [greg.addr](#) on Mon, 21 Sep 2009 10:59:35 GMT
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I'd add a line "print,nparams" at a judicious point...

regards,
greg

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [Prashanth](#) on Mon, 21 Sep 2009 12:25:57 GMT
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Since I am running it in VM, using print is not a good idea. I will try to check the result by displaying in a text widget. But that is not the point here. If it is getting into the if condition it only means the number of input parameters is less than 3. So, I am more worried about whats happening to my input parameters at the command line.

Thank you,
Prashanth

> I'd add a line "print,nparams" at a judicious point...
>
> regards,
> greg

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [David Fanning](#) on Mon, 21 Sep 2009 13:19:58 GMT
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Prashanth writes:

> Since I am running it in VM, using print is not a good idea. I will
> try to check the result by displaying in a text widget. But that is
> not the point here. If it is getting into the if condition it only
> means the number of input parameters is less than 3. So, I am more
> worried about whats happening to my input parameters at the command
> line.

You may be right. I can't get the Windows version to pick up

command arguments in the VM either. Have you talked to ITTVIS support?

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: passing parameters to .sav file in IDL VM
Posted by [greg.addr](#) on Mon, 21 Sep 2009 14:24:18 GMT
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> You may be right. I can't get the Windows version to pick up
> command arguments in the VM either. Have you talked to ITTVIS
> support?

Works for me in version 7.1 on Windows...

```
pro test_vm_args
  cla=command_line_args(count=count)
  null=dialog_message([string(count),cla],/information)
end
```

```
IDL> save,/routines,file="D:\mydocs\tmp\test_vm_args.sav"
```

```
C:\Program Files\ITT\IDL71\bin\bin.x86>idlrt -vm="D:\mydocs\tmp\test_vm_args.sav" -args "fred" "bert" "alf"
```

I see all three strings in the window.

regards,
Greg

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [Prashanth](#) on Mon, 21 Sep 2009 17:58:39 GMT
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Hello Greg,

I tested the program you gave and it did not work on my machine. Maybe it is a problem with the older versions of IDL?
I will try to find a system with 7.1 and check it again.

Thank you
Prashanth

On Sep 21, 4:24 pm, greg <greg.a...@googlemail.com> wrote:
>> You may be right. I can't get the Windows version to pick up
>> command arguments in the VM either. Have you talked to ITTVIS
>> support?
>
> Works for me in version 7.1 on Windows...
>
> pro test_vm_args
> cla=command_line_args(count=count)
> null=dialog_message([string(count),cla],/information)
> end
>
> IDL> save,/routines,file="D:\mydocs\tmp\test_vm_args.sav"
>
> C:\Program Files\ITT\IDL71\bin\bin.x86>idlrt -vm="D:\mydocs\tmp
> \test_vm_args.sav" -args "fred" "bert" "alf"
>
> I see all three strings in the window.
>
> regards,
> Greg

Subject: Re: passing parameters to .sav file in IDL VM
Posted by [Prashanth](#) on Tue, 22 Sep 2009 09:03:00 GMT
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Thanks Greg,

it works now. The problem was me :).

I thought the idlrt.exe is in the bin folder and I set the path to bin. When I went through your message once again I realized that there is one more folder bin.x86 where the file is. So, with a wrong path it would never work. For my changeview program I was using a batch file with the entire command and I was just executing the batch file. It doesn't work this way with the arguments. It executed as if I am typing changeview.sav at the command prompt. Not sure why? I have to check the batch file issues, but thats another problem. I just typed

in the same full command at the command prompt and it worked fine now.

Thank you all for the help.

Prashanth
