
Subject: Re: .Reset_Session in a script

Posted by [Benjamin Hornberger](#) on Tue, 06 Jun 2006 20:15:54 GMT

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toddbranch wrote:

- > I have written a script to automatically run all of my data sets
- > through my program. In my program, I define a few structures. I
- > usually run the command .reset_session in between runs of my data
- > because IDL gets mad because my code redefines the same structure. IDL
- > won't let me run the .reset_session command in my script. Any ideas?

By "script", do you mean a regular procedure? I know that you can do .reset_session in a batch file (which you run by @filename).

Plus, if you redefine the structure all the time, why use a named structure? If you use an unnamed structure, you can redefine it as often as you want.

Happy programming,
Benjamin

Subject: Re: .Reset_Session in a script

Posted by [Michael Galloy](#) on Tue, 06 Jun 2006 20:16:01 GMT

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toddbranch wrote:

- > Hey all,
- >
- > Sorry to be back for help so soon.
- >
- > I have written a script to automatically run all of my data sets
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- > won't let me run the .reset_session command in my script. Any ideas?
- >
- > Thanks a lot for the help,
- > Branch
- >

.reset_session is an executive command; executive commands (all of the commands that begin with a ".") can only be entered "in response to the IDL prompt" according to the docs. You can put an executive command in a batch file and call the file from the command line. For example, in the file "batch_run.pro" put:

```
.reset_session
```

start_real_run ; call to your existing program

Then,

IDL> @batch_run

And it should work.

Mike

--

www.michaelgalloy.com

Subject: Re: .Reset_Session in a script

Posted by [Paul Van Delst\[1\]](#) on Tue, 06 Jun 2006 20:19:26 GMT

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Michael Galloy wrote:

> toddbranch wrote:

>

>> Hey all,

>>

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>>

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>> through my program. In my program, I define a few structures. I

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> file "batch_run.pro" put:

>

> .reset_session

> start_real_run ; call to your existing program

>

> Then,

>

> IDL> @batch_run

>

> And it should work.

True, but I would suggest the OP address the problem (assuming it actually is one) of the structure redefinition. So, pardon my denseness, but could the OP define what he means by "redefines the same structure".

paulv

--

Paul van Delst Ride lots.
CIMSS @ NOAA/NCEP/EMC Eddy Merckx
Ph: (301)763-8000 x7748
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Subject: Re: .Reset_Session in a script
Posted by [toddbbranch](#) on Tue, 06 Jun 2006 20:31:17 GMT
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Thanks everyone for your quick responses. I was using a script (@script), but I wanted to use the .reset_session command many times. Here was a piece of my code:

```
for i=0, size(int_arr, /n_elements)-1 do begin .reset_session &  
map_to_geo & endfor
```

So, the .reset_session command could be used in the script, just not within an IDL statement. It would have worked if I only wanted to reset the session once.

I just realized that all of my structures were named, so this problem can be solved if I just make all of my structures anonymous.

OK, I made all the structure anonymous and I am running the code right now.....

And it works!

Thanks for the help everyone,
Branch

Subject: Re: .Reset_Session in a script
Posted by [Chris\[2\]](#) on Wed, 07 Jun 2006 23:35:42 GMT
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Just as an aside, if you're doing this in IDL63, you could use the IDL_IDLBridge object to run each script in a separate "clean" session of

IDL. This is also useful when you want to build multiple .sav files (with IDL code) and you need to have a clean IDL session for each .sav file.

So for example,

```
o=Obj_New('IDL_IDLBridge')
o->Execute, "myscript, 'datafile1' "
Obj_Destroy, o
o=Obj_New('IDL_IDLBridge')
o->Execute, "myscript, 'datafile2' "
Obj_Destroy, o
```

If you use the /NOWAIT keyword then you could even have them all executing simultaneously (although then you wouldn't want to destroy the object until it finished...)

-Chris
ITT Visual Information Solutions

"toddbbranch" <branch@lanl.gov> wrote in message
news:1149623443.901074.325330@g10g2000cwb.googlegroups.com.. .
> Hey all,
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