
Subject: Re: problem with builtin restore

Posted by [R.Bauer](#) on Mon, 28 Apr 2008 09:28:16 GMT

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Reimar Bauer schrieb:

> Hi
>
> we found a bug in restore of idl6.4 today. (linux version)
>
> if you restore lots of files with always the same vars stored we would
> suppose that the memory allocation is always only done from the last
> restore you did.
>
> It looks like that you can overwrite the vars without reallocating the
> memory.
>
> The cmrestore by CraigMarkwardt does it right.
>
> cheers
> Reimar Bauer

hmm I'm currently not sure if craigs routine does allocate different.

```
IDL> data1=make_array(100,306,21)
IDL> data2=make_array(100,306,21)
IDL> data3=make_array(100,306,21)
IDL> data4=make_array(100,306,21)
IDL> save,file='test.sav',data1,data2,data3,data4
IDL> save,file='test1.sav',data1,data2,data3,data4
IDL> save,file='test2.sav',data1,data2,data3,data4
IDL> .reset
```

```
IDL> help,/mem & restore,file='test.sav' & help,/mem
heap memory used: 827805, max: 11109933, gets: 2506, frees:
~ 1953
heap memory used: 11109981, max: 11114318, gets: 2511, frees:
~ 1954
IDL> help,/mem & restore,file='test.sav' & help,/mem
heap memory used: 11110070, max: 11110215, gets: 2519, frees:
~ 1961
heap memory used: 11110070, max: 13684951, gets: 2524, frees:
~ 1966
```

and change the input filename if you think there is no change in memory
by repeating the command

It happens on 7.0.1 too.

cheers
Reimar

Subject: Re: problem with builtin restore
Posted by [Craig Markwardt](#) on Mon, 28 Apr 2008 15:52:44 GMT
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Reimar Bauer <R.Bauer@fz-juelich.de> writes:

> Reimar Bauer schrieb:
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> hmm I'm currently not sure if craigs routine does allocate different.

Reimar, CMSAVE/CMRESTORE just use standard IDL variables, so the allocation should be the same as IDL's standard allocation/deallocation. This is not quite true if you use pointers within your saved data, but this does not apply to your example.

Craig
