
Subject: Different behavior of RESTORE and IDL_SaveFile::Restore ?

Posted by [lecacheux.alain](#) on Sat, 14 Feb 2015 19:13:32 GMT

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In a previous IDL session, I built three long LIST() variables made of various arrays and structures (no objects). I then save them, by the usual command:

```
IDL> save, list1, list2, list3
```

Problem arises when I want to restore the lists by using:

```
IDL> restore, 'idlsave.dat'
```

Actually, IDL crashes immediately. Likely, I made some error in the creation program.

The strange thing is that I can restore my variables by using the IDL_SaveFile object, i.e:

```
IDL> s = Obj_New('IDL_SaveFile', 'idlsave.dat')
```

```
IDL> s.Names()
```

```
LIST1
```

```
LIST2
```

```
LIST3
```

```
IDL> s.Restore, 'LIST1'
```

```
IDL> s.restore, 'LIST2'
```

```
IDL> s.Restore, 'LIST3'
```

```
IDL> help, list1, list2, list3
```

```
LIST1      LIST <ID=2  NELEMENTS=11916>
```

```
LIST2      LIST <ID=23835 NELEMENTS=154366>
```

```
LIST3      LIST <ID=332568 NELEMENTS=166282>
```

Any clue ?

What kind of error might make a successful saveset crashing IDL ?

alx.

Subject: Re: Different behavior of RESTORE and IDL_SaveFile::Restore ?

Posted by [Matthew Argall](#) on Sat, 14 Feb 2015 19:17:19 GMT

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See this discussion.

<https://groups.google.com/forum/#!topic/comp.lang.idl-pvwave/RWNh8htf8Rw>

Subject: Re: Different behavior of RESTORE and IDL_SaveFile::Restore ?

Posted by [lecacheux.alain](#) on Sat, 14 Feb 2015 19:51:21 GMT

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Le samedi 14 février 2015 20:17:22 UTC+1, Matthew Argall a écrit :

> See this discussion.
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Thanks for the tip. I know this discussion.

But in my case, the IDL versions for SAVE, RESTORE and IDL_SaveFile::Restore are homogeneous as being 8.4.

And the main question is: why a behavior difference between RESTORE and IDL_SaveFile::Restore ?

alx.

Subject: Re: Different behavior of RESTORE and IDL_SaveFile::Restore ?
Posted by chris_torrence@NOSPAM on Sun, 15 Feb 2015 16:33:30 GMT
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On Saturday, February 14, 2015 at 12:51:23 PM UTC-7, alx wrote:

> Le samedi 14 février 2015 20:17:22 UTC+1, Matthew Argall a écrit :
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Hi alx,

Are you sure that you don't have an old IDL version on your path? When IDL restores the save file, it will try to load the list code, to make sure it is in sync with the latest version. If you have an old version on IDL's path, it will accidentally pick that up and that will lead to problems.

-Chris

Subject: Re: Different behavior of RESTORE and IDL_SaveFile::Restore ?
Posted by lecacheux.alain on Sun, 15 Feb 2015 17:35:48 GMT
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Le dimanche 15 février 2015 17:33:32 UTC+1, Chris Torrence a écrit :

> On Saturday, February 14, 2015 at 12:51:23 PM UTC-7, alx wrote:
>> Le samedi 14 février 2015 20:17:22 UTC+1, Matthew Argall a écrit :

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Hi Chris,
The used machine is a freshly installed one so that I am sure that there is only one IDL (8.4) on it.
{ x86_64 Win32 Windows Microsoft Windows 8.4 Sep 27 2014 64 64}
After a machine reboot the problem disappeared: RESTORE is now restoring correctly.
Before the machine reboot, I just restarted each time the IDL session.
Can we imagine that some error in managing LIST variables inside the first session (loaded DLL or something else) could have permanently affected the other following sessions ?
I suspect the construct "list1 += list_", used in a large loop, when building at first the lists variables.

alain.

Subject: Re: Different behavior of RESTORE and IDL_SaveFile::Restore ?
Posted by chris_torrence@NOSPAM on Mon, 16 Feb 2015 17:14:03 GMT
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On Sunday, February 15, 2015 at 10:35:50 AM UTC-7, alx wrote:
> Le dimanche 15 février 2015 17:33:32 UTC+1, Chris Torrence a écrit :
>> On Saturday, February 14, 2015 at 12:51:23 PM UTC-7, alx wrote:
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Well, I can imagine a lot. :-) But I've never heard of this happening... Anyway, it sounds like you solved the problem, so unless it occurs again, I would just pretend that it never happened...

Cheers,
Chris

Subject: Re: Different behavior of RESTORE and IDL_SaveFile::Restore ?

Posted by [lecacheux.alain](#) on Mon, 16 Feb 2015 18:47:29 GMT

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Le lundi 16 février 2015 18:14:07 UTC+1, Chris Torrence a écrit :

> On Sunday, February 15, 2015 at 10:35:50 AM UTC-7, alx wrote:
>> Le dimanche 15 février 2015 17:33:32 UTC+1, Chris Torrence a écrit :
>>> On Saturday, February 14, 2015 at 12:51:23 PM UTC-7, alx wrote:
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> Cheers,

> Chris

Ok. Forget it.

But I must also say that I never had any problem with IDL Save/Restore, while using IDL since several decades (since V2.0 on PDP11).

Whence my surprise...

alx.