
Subject: Re: IDL Save File Mystery
Posted by [David Fanning](#) on Fri, 08 Jan 2010 05:01:23 GMT
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David Fanning writes:

- > I now exit IDL and drag the save file to the IDL
- > Virtual Machine. It doesn't run. Tells me to contact
- > the author of the program. Unfortunately, he is still
- > drinking rum and cokes in the Bahamas. :-(

With a CATCH error handler in the TestObjView program, I get the following message in the VM:

```
%XOBJVIEW: Unable to invoke method on NULL object reference:
<OBJREF (<NullObject>)>.
% Execution halted at XOBJVIEW
%      TESTOBJVIEW
%      IDLRTMAIN
%      $MAIN$
```

Not all that helpful, unfortunately. :-(

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: IDL Save File Mystery
Posted by [penteado](#) on Fri, 08 Jan 2010 05:18:09 GMT
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I tried it in Linux, and had the same problem, but it did indicate some of the origin, as running testobjview after the restore caused IDLEXVIEWMANIP__DEFINE to be compiled.

The two save files were 7.9MB and 8.0MB. Looking at the routines in them, one had 4120 routines, and the other, 4147. After the surprise that there were so many routines, I got the names of the 27 not present in the first save file:

+% RESTORE: Restored procedure: IDLEXMODELMANIP::BUILD_MANIP_VISUAL.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::CLEANUP.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::GETPROPERTY.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::MOUSEDOWN.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::MOUSETRACK.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::MOUSEUP.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::SETPROPERTY.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::SETTARGET.
+% RESTORE: Restored procedure: IDLEXMODELMANIP::UNDO.
+% RESTORE: Restored procedure: IDLEXMODELMANIP__DEFINE.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::BUILD_VISUALS.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::CALCRECT.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::CLEANUP.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::GETPROPERTY.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::MOUSEDOWN.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::MOUSETRACK.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::MOUSEUP.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::RESHAPE.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::SETPROPERTY.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP::SETTARGET.
+% RESTORE: Restored procedure: IDLEXVIEWMANIP__DEFINE.
+% RESTORE: Restored function: IDLEXMODELMANIP::GET_VIEW.
+% RESTORE: Restored function: IDLEXMODELMANIP::INIT.
+% RESTORE: Restored function: IDLEXMODELMANIP::V_TO_DATA.
+% RESTORE: Restored function: IDLEXMODELMANIP__GET_BOUNDS.
+% RESTORE: Restored function: IDLEXMODELMANIP__QUATERNION_M3.
+% RESTORE: Restored function: IDLEXVIEWMANIP::INIT.

Which turned out to be every IDLEXMODELMANIP and every IDLEXVIEWMANIP.
But there was no message indicating that IDLEXMODELMANIP__DEFINE got
compiled when I run testobjview after a restore.

Subject: Re: IDL Save File Mystery

Posted by [greg.addr](#) on Fri, 08 Jan 2010 12:02:59 GMT

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I've had a program which has suffered from this same problem for
several years. I always had to run the make file, then the program,
call up the xobjview window, and resave before it would work in the
VM. Adding idlexmodelmanip__define and idlexviewmanip__define to the
make file seems finally to have fixed it. Many thanks pp!

Greg

Subject: Re: IDL Save File Mystery
Posted by [David Fanning](#) on Fri, 08 Jan 2010 13:54:15 GMT
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pp writes:

- > Which turned out to be every IDLEXMODELMANIP and every IDLEXVIEWMANIP.
- > But there was no message indicating that IDLEXMODELMANIP__DEFINE got
- > compiled when I run testobjview after a restore.

Thanks for this. The absence of these two objects appears to be the problem. I think the *real* problem, however, is that IDLexModelManip is created with "COMPILE_OPT hidden" in all of its methods, including the definition method, which essentially makes it invisible to all but the most persistent observer. What could possibly be the purpose of this?

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: IDL Save File Mystery
Posted by [Matt\[2\]](#) on Fri, 08 Jan 2010 14:56:12 GMT
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David Fanning <news@dfanning.com> writes:

```
> *****
> ;
> .compile testobjview
> Resolve_All, CLASS=['IDLExobjviewwid', $
>     'IDLExViewGroup', $
>     'IDLExObjView', $
>     'IDLExinscribingview', $
>     'IDLgrText']
> IRESOLVE
> Save, FILE='C:\IDL\testobjview.sav', /ROUTINES
> *****
> ;
> *****
> testobjview
```

```
> Resolve_All, CLASS=['IDLExobjviewwid',$  
>                   'IDLExViewGroup', $  
>                   'IDLExObjView', $  
>                   'IDLExinscribingview', $  
>                   'IDLgrText']  
> IRESOLVE  
> Save, FILE='C:\IDL\testobjview.sav', /ROUTINES  
> ,*****
```

They're not exactly the same. The second one is calling testobjview that might cause some extra compilations to occur?

Matt

--

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