
Subject: Re: Problem using sav files.

Posted by [Theo Brauers](#) on Thu, 05 Oct 2000 07:00:00 GMT

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Theo Brauers wrote:

>
> Hi experts:
>
> I am stuck with a problem using a sav file:
>
> My program is an widget driven i/o interface for FACSIMILE. It
> consists of about 400 functions/routines. When I compile the
> whole thing using `resolve_all` it works fine in this IDL session.
> However, when I save the thing (`easy.sav`) and restart IDL using
> the `easy.sav` file it worked fine for a while, then the thing
> crashes IDL totally during operation even when I use the same
> input data. Restarting IDL with sav file: crash. Restarting
> IDL with source compiled: OK. Save and restart: Crash. Rebooting
> and repeating gives the same result. I can also reproduce this
> behaviour on a different machine, with different user profile.
> I had the same behaviour with a previous version of the program
> which crashed in the same way at a different location in the
> program but I cannot reproduce this again :-|
>
> Does anybody have similar problems? Is there any possibility
> to catch an error before IDL crashes?
> I am using: { x86 Win32 Windows 5.3.1 Feb 23 2000}
>
> Best regards
>
> Theo
>

Problem solved! Thanks to all contributors and to Reimar
Bauer. :-)

What was wrong? We use an external routine (dll using `fstat`)
determining the modification date of files. When we called
this routine with a not existing filename IDL crashes.
However, the reason for invalid filenames was the
`HELP, CALL=c` procedure giving different results when called
from compiled code or from a sav file.

Try this one:

```
;- test2.pro -----  
FUNCTION testfunc  
  HELP, CALL=c  
  r = DIALOG_MESSAGE(c, /INFO)  
  RETURN, c
```

END

```
PRO test2
  c = testfunc()
END
```

```
IDL> .COMPILE test2
IDL> test2
IDL> SAVE, /ROUT, FILE='test2.sav'
IDL> RESTORE, /ROUT, FILE='test2.sav'
IDL> test2
```

Showing me that SAVE and RESTORE do not exactly restore the previous session.

Best Theo
