
Subject: Re: Problem using sav files.

Posted by [davidf](#) on Thu, 21 Sep 2000 07:00:00 GMT

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Theo Brauers (th.brauers@fz-juelich.de) writes:

> 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 }

I'm going to guess programmer error. :-)

You will go a long way toward solving the problem if you stick some kind of Catch error handler in those functions/routines. It is hard to write an application with 4 functions that doesn't have some kind of error, let alone 400! I use a Catch error handler in most of my widget programs that is some variation of this:

```
Catch, theError
IF theError NE 0 THEN BEGIN
  Catch, /Cancel
  Widget_Control, event.top, Set_UValue=info, /No_Copy
  ok = Error_Message(Traceback=1, /Error)
  RETURN
ENDIF
```

The Error_Message program can be found on my web page. It will put the system error message (!Error_State.Msg) in a Dialog_Message if appropriate for the device. Otherwise, it will use Message. But setting the Traceback keyword will lead you directly to the error. :-)

Cheers,

David

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