
Subject: Re: savefile incompatibilities...

Posted by [Richard G. French](#) on Tue, 08 Jul 1997 07:00:00 GMT

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My apologies - I made a mistake in the spelling of the hostname where these

savefiles are located. I have corrected the message below and would greatly

appreciate it if some of you with SUN's could let me know if you can read

and restore test4.sav without problems. Please send your results to rfrench@ahab.wellesley.edu, along the the version of your operating system

(find this on the first line or so of /etc/motd). I'll summarize as appropriate.

RSI has been notified of my problem but on their SUN's the savefile is restored properly - I just have the bad luck to have it not work on ours, and

I would like to understand why, and possibly how to get around the problem.

Many thanks.

- > I have done some more testing with savefile problems. The long and
- > short
- > of it is that I am having problems porting savefiles between DEC
- > Alpha,
- > DECstation and a SUN sparc.
- > The Sun is running IDL4.0.1, the Alpha is running OSF/1 and IDL 5.0,
- > and
- > the
- > DECstation is running IDL3.6. To see if the problem is an IDL5.0
- > problem, I created 4 test savefiles, which I have put on my anonymous
- > ftp site. I would appreciate hearing from
- > people to see if you are able to restore the file without problems.
- > Please login to
- > anonymous ftp on
- > ahab.wellelsey.edu
- > ftp> cd pub/rsi
- > ftp> bin
- > ftp> mget test*.sav
- > ftp> quit
- >
- > Here is a description of the individual savefiles.
- >
- > 1) test1.sav
- > Created the savefile under DEC ALPHA (Unix) IDL5.0. Should contain
- >
- > variables only, no procedures or system variables. Results so far:

> crashes IDL on sun sparc IDL4.0.1
> Readable on DECstation running IDL3.6
>
> 2) test2.sav
> Smaller version of test1.sav (same variables saved, but array of
> structures is smaller).
> This was to see if the problem was associated with a memory
> problem. Results so far: crashes IDL on sun sparc IDL4.0.1
> Readable on DECstation running IDL3.6
>
> 3) test3.sav
> To see if problem was an IDL5.0 problem, I restored test2.sav on a
> DECstation running
> IDL3.6, and then immediately did
> save,/variables,file='test3.sav'
> Results so far:
> crashes IDL on sun sparc IDL4.0.1
> Readable on DEC Alpha Unix IDL5.0
>
> 4) test4.sav
> In desperation, I set the /xdr flag when saving the file. Created
> as
> test3.sav except:
> save,/variables,/xdr,file='test4.sav'
> Results so far:
> crashes IDL on sun sparc IDL4.0.1
> Readable on DEC Alpha Unix IDL5.0
>
> I have reported this problem to RSI but I think it might be very
> helpful
> to get more test
> results on other platforms.
>
> This problem is preventing us from being able to use the
> cross-platform
> strengths of IDL
> and is really cramping our research at the moment. I would appreciate
> hearing from
> anyone who might have ideas about how to get around this problem. The
> SUN sparc
> owners let their maintenance lapse due to the high cost, and so
> upgrading to IDL5.0
> is not an option.
>
> Thanks very much.
>
>> Dick French
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