
Subject: Re: Save files and LinkImage routines
Posted by [Martin Schultz](#) on Fri, 21 Nov 1997 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Dave Greenwood wrote:

>
> Following the recent discussion on generating save files (see the
> "Automatic Compilation of IDL Programs, [...]")
>
> If I invoke IDL, ".run" or ".compile" the main program and then invoke
> RESOLVE_ALL, everything gets compiled until RESOLVE_ALL fails with an
> "% Attempt to call undefined procedure/function: 'GB'." (GB is defined
> via a linkimage call.) If I 'save,/routines' anyway and attempt to run
> my application it fails with an "attempt to call undefined procedure/
> function" on the first attempt to call a linkimage-defined procedure.
>

unfortunately I cannot help you with the linkimage or save problem, but
I experienced the same behaviour for CALL_PROCEDURE or CALL_FUNCTION
routines. It notes in the manual that these would not be found by
RESOLVE_ALL, and that is not more than true. One possibility to avoid
this little problem is to resolve your GB routine explicitly *before*
you RESOLVE_ALL, using
RESOLVE_ROUTINE,'GB'
It's possible that this would also solve your other problem, *unless*
this has something to do with limitations on SAVE files in conjunction
with linkimage or call_...

Martin.

Dr. Martin Schultz
Department for Earth&Planetary Sciences, Harvard University
186 Pierce Hall, 29 Oxford St., Cambridge, MA-02138, USA

phone: (617)-496-8318
fax : (617)-495-4551

e-mail: mgs@io.harvard.edu
IDL-homepage: <http://www-as.harvard.edu/people/staff/mgs/idl/>

Subject: Re: Save files and LinkImage routines
Posted by [greenwoodde](#) on Mon, 24 Nov 1997 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

I wrote...

> Following the recent discussion on generating save files (see the
> "Automatic Compilation of IDL Programs, [...]
>
> If I invoke IDL, ".run" or ".compile" the main program and then invoke
> RESOLVE_ALL, everything gets compiled until RESOLVE_ALL fails with an
> "% Attempt to call undefined procedure/function: 'GB'." (GB is defined
> via a linkimage call.) If I 'save,/routines' anyway and attempt to run
> my application it fails with an "attempt to call undefined procedure/
> function" on the first attempt to call a linkimage-defined procedure.

Thanks to Jim Pendleton of RSI, I have the answer. When creating the save file I first execute the procedure which contains all the linkimage calls, then RESOLVE_ROUTINE my main routine and RESOLVE_ALL. Then I do the save. When I run the application, I first execute the procedure which contains the linkimage calls and then restore the saved routines.

Apparently this is described in the IDL Runtime Guide, of which I don't have a copy.

Dave

Dave Greenwood Internet: Greenwoodde@ORNL.GOV
Oak Ridge National Lab %STD-W-DISCLAIMER, I only speak for myself

Subject: Re: Save files and LinkImage routines
Posted by [mallors](#) on Tue, 25 Nov 1997 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <24NOV97.15395956@fedao1.fed.ornl.gov>,
greenwoodde@fedao1.fed.ornl.gov (Dave Greenwood) writes:

>
> Apparently this is described in the IDL Runtime Guide, of which I don't
> have a copy.
>

I believe this (and other documents such as the Reference Guide) is available from the RSI ftp site.

--
Dr. Robert S. Mallozzi
University of Alabama in Huntsville
<http://cspar.uah.edu/~mallozzir/>
