
Subject: Re: envi_title_bar.ico missing and null pointer dereferenced error when using .sav file in ENVI

Posted by [robintw](#) on Fri, 08 Jan 2010 18:46:04 GMT

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I've now sorted this, so I thought I'd document the solution on here so that other people may find it.

Basically the answer is for me to RTFM!

I was just compiling my ENVI extension with the standard Build Project menu item in IDL, but I've found that it wasn't the right way to do it. According to the ENVI programmers guide you have to open up IDL by itself (ie. not having ENVI loaded) and then compile the project, use a specific RESOLVE_ALL command (to exclude the envi procedure) and then use the SAVE command to save all the routines to a .sav file.

I've also found that I needed to follow the instructions to put a COMPILEOPT STRICTARR at the top of my functions so that it doesn't think I'm subscripting arrays when I call ENVI functions.

This probably isn't very clear, but it's all documented on page 80 of the ENVI Programmers Guide.

Cheers,

Robin

On 07/01/2010 15:38, robintw wrote:

> Hi,
>
> I've written some routines using ENVI/IDL, and packaged them up in
> a .sav file to give to some of my colleagues. I've put the .sav file
> in the save_add directory, and added the appropriate items to
> envi.men. This works fine on my machine, but when I give it to one of
> my colleagues to install on his machine he gets various strange
> errors.
>
> Firstly, when ENVI loads an error appears saying that
> envi_title_bar.ico cannot be found in the directory that it's meant to
> be found in, and asks you to specify a location for it. If you just
> cancel the dialog box then the icon on the title bar appears fine. The
> file envi_title_bar.ico definitely exists in the /menu directory of
> the envi installation.
>
> Another error that seems to occur is when running one of the
> functions. The first line of the function is a call to ENVI_SELECT,
> fid=fid to get the fid for the file the user has selected. The dialog

> loads fine, but when the user selects a file an error occurs saying
> "Attempt to dereference null pointer P_INFO". I've never seen this
> error before, and it strikes me that a null pointer exception is a bit
> of a strange error to get here. I've now just been informed by my
> colleague that whenever my .sav file is present in the save_add
> directory this null pointer error occurs whenever the ENVI_SELECT
> dialog box is used, even when used by the built-in ENVI routines.
>
> Neither of these happen on my computer, only on my colleagues. Both
> computers are running exactly the same version of ENVI/IDL.
>
> Does anyone have any idea what is going wrong here? I can't see how
> the .sav file can work fine on my machine and not my colleagues - I
> thought .sav files were meant to be portable!
>
> I can provide copies of the code or the .sav file if needed.
>
> Best regards,
>
> Robin
