
Subject: Re: Project newbie asks...well what about ENVI projects?

Posted by [David Fanning](#) on Fri, 25 Jul 2008 14:50:34 GMT

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Jeff N. writes:

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- > distribute to several people, and the idea of setting up a project
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This was a topic of conversation at yesterday's Extending ENVI seminar. No one appears to be sure about the right way to do this. One of the most sensible suggestions I heard was to add your ENVI save-add folder to your Workspace as a project, but to make sure it is NOT on your IDL path.

This way, you can see the contents, drag your completed save and pro files into it, etc., but not have to deal with it otherwise.

I think you are going to have to hand-save the sav files you want to add to ENVI. I would just do this in the normal way in whatever project folder you are using at the moment, then drag these files over to the save-add folder.

Note that there is a new way to create the ENVI buttons now to make your added programs accessible to ENVI. You

no longer have to modify the ENVI menu text file.

Your user function has to have two modules in it: the normal event handler module that gets called when the action button is selected, and a procedure defined with the same name as the event handler with a "_define_buttons" attached to it:

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PRO MyFunction_Define_Buttons, buttonInfo
```

```
.....
```

```
END
```

```
PRO MyFunction, event
```

```
.....
```

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Inside the "define buttons" procedure, you use the ENVI routine ENVI_DEFINE_MENU_BUTTON to create your buttons. Keywords allow you to name and position the button in relation to other buttons, etc.

Apparently, this has been an undocumented feature for a long time, but it has been exposed in this release. It is very slick, I think.

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Project newbie asks...well what about ENVI projects?

Posted by [Mort Canty](#) on Fri, 25 Jul 2008 15:50:04 GMT

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David Fanning schrieb:

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Right, but don't forget to plunk the file into SAVE_ADD, so that the new menu items are there when ENVI comes up. Wish to heck they'd "exposed" this feature before I published my book :-(

Mort

Subject: Re: Project newbie asks...well what about ENVI projects?
Posted by [jeffnettles4870](#) on Fri, 25 Jul 2008 15:50:43 GMT
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On Jul 25, 10:50 am, David Fanning <n...@dfanning.com> wrote:

> Jeff N. writes:
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> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks David.

I've definitely used the `_Define_Buttons` routines. For my particular application, however, i've done things a little differently than the standard method of putting the "define buttons" procedure at the top of the .pro file containing the procedure you're trying to add a menu item for. I created a separate pro file that does nothing but call the define-buttons ENVI command, and has a little placeholder procedure at the bottom.

So my "Menu.pro" file has this in it:

```
PRO MyApp_Menu_Define_Buttons, buttonInfo  
;do all the menu items for the entire app  
END
```

```
PRO Myapp_Menu  
;do nothing at all  
END
```

The reason I did this is because 1) it just seemed like an easier way to make sure that the top-level part of my menu always gets created and the lower-down menu items know that the top level menu item is there. and 2) Some menu items are generated or not-generated using conditional logic. I have some spectral library stuff distributed in text files, so i have logic that only creates the menu to process the spectral libraries if the spectral libraries are actually present. 3) It also lets me put debug commands in the menu that only i see, but normal users don't see when all the code gets distributed. Definitely handy stuff!

Jeff

Subject: Re: Project newbie asks...well what about ENVI projects?
Posted by [David Fanning](#) on Fri, 25 Jul 2008 15:55:08 GMT
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> spectral libraries if the spectral libraries are actually present. 3)
> It also lets me put debug commands in the menu that only i see, but
> normal users don't see when all the code gets distributed. Definitely
> handy stuff!

Good idea!

Cheers,

David

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Subject: Re: Project newbie asks...well what about ENVI projects?

Posted by [David Fanning](#) on Fri, 25 Jul 2008 15:58:33 GMT

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Mort Canty writes:

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Gives you something to do in retirement, updating
your book to a new version. ;-)

Cheers,

David

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Subject: Re: Project newbie asks...well what about ENVI projects?

Posted by [jeffnettles4870](#) on Fri, 25 Jul 2008 16:34:20 GMT

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On Jul 25, 11:50 am, Mort Canty <m.ca...@fz-juelich.de> wrote:

> David Fanning schrieb:

>

>

>

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> Mort

```

Yep, That certainly has to happen. While we're talking about little known ENVI tricks, I also recently found out about ENVI_GET_CONFIGURATION_VALUES, a function that returns a structure for config settings. Useful if you want to find out if your user has a customized save_add directory like me :) I found it via a Help, / routines call while ENVI was running, but turns out it's actually in the documentation now. Now we just need an ENVI_SET_CONFIGURATION_VALUES!

Jeff
