
Subject: use ENVI classic functions in IDL without opening ENVI GUI

Posted by [zhanli1986](#) on Mon, 17 Feb 2014 16:50:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi, I'm using IDL 8.0 on a linux server. I've written some functions using ENVI classic functions. Now I need to open ENVI to make these ENVI functions usable in my function. But on the linux server opening GUI is super slow and every time I run my function I need to wait a very long time for the ENVI menu to be opened. And also because the server requires a client interact with the GUI from time to time. Otherwise it just disconnect the client and shut down the GUI. In this case I can submit a batch job of processing many files with IDL to the server computer cluster.

Is there anyway to use the ENVI classic functions in IDL without opening ENVI at all? Or at least hide the ENVI GUI or skip the GUI while running ENVI in the background on Linux? Has anybody tried it or had some suggestions? Using GUI on our linux server is such a pain... And I also want to just let the server process many files by its own without checking it out all the time. Thanks a lot!

Subject: Re: use ENVI classic functions in IDL without opening ENVI GUI

Posted by [skymaxwell@gmail.com](#) on Sat, 22 Feb 2014 17:59:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

we used ENVI+IDL

So to use ENVI routines in IDL programs, you must used the following commands

```
ENVI, /RESTORE_BASE_SAVE_FILES  
ENVI_BATCH_INIT
```

It's can be used without ENVI GUI.
Look at help to get more information

Subject: Re: use ENVI classic functions in IDL without opening ENVI GUI

Posted by [zhanli1986](#) on Thu, 06 Mar 2014 02:19:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thanks a lot. It works!

James.

On Saturday, February 22, 2014 12:59:07 PM UTC-5, skymaxwell wrote:

> we used ENVI+IDL

>

>

>

> So to use ENVI routines in IDL programs, you must used the following commands

>
>
>
> ENVI, /RESTORE_BASE_SAVE_FILES
>
> ENVI_BATCH_INIT
>
>
>
> It's can be used without ENVI GUI.
>
> Look at help to get more information

Subject: Re: use ENVI classic functions in IDL without openning ENVI GUI
Posted by [Kenneth D](#) on Thu, 13 Mar 2014 06:14:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Monday, February 17, 2014 9:50:57 AM UTC-7, zhanl...@gmail.com wrote:

> Hi, I'm using IDL 8.0 on a linux server. I've written some functions using ENVI classic functions. Now I need to open ENVI to make these ENVI functions usable in my function. But on the linux server opening GUI is super slow and every time I run my function I need to wait a very long time for the ENVI menu to be opened. And also because the server requires a client interact with the GUI from time to time. Otherwise it just disconnect the client and shut down the GUI. In this case I can submit a batch job of processing many files with IDL to the server computer cluster.

>
>
>

> Is there anyway to use the ENVI classic functions in IDL without opening ENVI at all? Or at least hide the ENVI GUI or skip the GUI while running ENVI in the background on Linux? Has anybody tried it or had some suggestions? Using GUI on our linux server is such a pain... And I also want to just let the server process many files by its own without checking it out all the time. Thanks a lot!

Another option for newer versions of ENVI+IDL 5.# is just `e=ENVI(/HEADLESS)`.
