
Subject: IDL and BASH scripts

Posted by [natha](#) on Thu, 08 Oct 2009 20:49:27 GMT

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Hi guys,

I wrote a script to help me with the most common actions I always do in IDL. I copy some folders, I update some files and finally I call IDL to do some actions.

Normally I use something like this:

```
idl <<!here
    some_actions
@my_program.pro
resolve_all
save, filename='my_program.sav', /routines
exit
!here
```

It works good but I've a problem if I try to run this code inside a case statement. My idea is to execute this code as an optional argument for my script. When I try to do it I've an error:
here-document at line 127 delimited by end-of-file (wanted `!here')
unexpected end of file

I don't understand the error and I don't know if there are more options to call IDL and do some actions from a BASH script. Can anybody help ? Thanks,
nata

Subject: Re: IDL and BASH scripts

Posted by [penteado](#) on Fri, 09 Oct 2009 18:42:47 GMT

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On Oct 8, 5:49 pm, nata <bernat.puigdomen...@gmail.com> wrote:

> Hi guys,

>

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> in IDL. I copy some folders, I update some files and finally I call

> IDL to do some actions.

> Normally I use something like this:

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> some_actions

> @my_program.pro

> resolve_all

> save, filename='my_program.sav', /routines

> exit
> !here
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> It works good but I've a problem if I try to run this code inside a
> case statement. My idea is to execute this code as an optional
> argument for my script. When I try to do it I've an error:
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> I don't understand the error and I don't know if there are more
> options to call IDL and do some actions from a BASH script. Can
> anybody help ? Thanks,
> nata

It looks like the end of the here document is not getting recognized, so it is complaining that it ran to the end of the file without ending the here document. My first guess is that the problem may come from the limiter starting with !, which makes it look like 'here' preceded by the ! operator. You can try replacing the delimiter with some odd sequence of characters that does not include any possibly-special characters.

Subject: Re: IDL and BASH scripts
Posted by [Paul Van Delst\[1\]](#) on Tue, 13 Oct 2009 14:36:53 GMT
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nata wrote:

> Hi guys,
>
> I wrote a script to help me with the most common actions I always do
> in IDL. I copy some folders, I update some files and finally I call
> IDL to do some actions.
> Normally I use something like this:
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> idl <<!here
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> It works good but I've a problem if I try to run this code inside a
> case statement. My idea is to execute this code as an optional
> argument for my script. When I try to do it I've an error:
> here-document at line 127 delimited by end-of-file (wanted `!here')
> unexpected end of file

>
> I don't understand the error and I don't know if there are more
> options to call IDL and do some actions from a BASH script. Can
> anybody help ? Thanks,

Are you indenting in the case statement? If so, the "!here" won't be recognised if there is whitespace in front of it.

If that is the case (no pun intended), in your script if you do something like

```
idl <<-NoMoreInput
some_actions
@my_program.pro
resolve_all
save, filename='my_program.sav', /routines
exit
NoMoreInput
```

i.e. put the "-" between the "<<" and end-of-file marker, you can tab in.

I also agree with pp on the use of "!here" as an eof marker - apart from any issue with the ! character, it doesn't really explain what it does. But, that's just my personal preference (I tend to be verbose in code :o).

Anyway, HTH.

cheers,

paulv

Subject: Re: IDL and BASH scripts
Posted by [natha](#) on Wed, 14 Oct 2009 14:05:00 GMT
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Hi Paul and PP,

"Are you indenting in the case statement? If so, the "!here" won't be recognised if there is whitespace in front of it." <- lol !

I didn't know all of that. Thanks for your reply guys.
I replaced !here for -here and all works good !

The use of these marks is a little bit confusing and actually I never find documentation for it.
Thanks !

Regards,

nata
