
Subject: Re: FREE_LUN supposed to work in a loop?

Posted by [fgg](#) on Sun, 02 Jun 2013 05:04:04 GMT

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I think I found the problem. run_this_procedure opens the control_file and then uses a simple CLOSE, never really deallocating the unit. Any danger in substituting CLOSE for FREE_LUN? Thanks!

On Sunday, June 2, 2013 12:40:31 AM UTC-4, fgg wrote:

```
> Hi there,  
>  
>  
>  
> I'm getting "OPENR: All available logical units are currently in use" when running something like  
this:  
>  
>  
>  
> for i = 0, n_elements(texts)-1 do begin  
>  
>   openw, lun, control_file, /get_lun  
>  
>   printf, lun, 'some text'  
>  
>   free_lun, lun  
>  
>   run_this_procedure ;this is a *.pro that uses the control_file just created above  
>  
> endfor  
>  
>  
>  
> If I do "help, /files" I see that all units have been closed but are still reserved. Why?! Any  
suggestion?  
>  
>  
>  
> Thanks!
```

Subject: Re: FREE_LUN supposed to work in a loop?

Posted by [David Fanning](#) on Sun, 02 Jun 2013 05:23:39 GMT

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fgg writes:

```
> I think I found the problem. run_this_procedure opens the control_file and then uses a simple
```

CLOSE, never really deallocating the unit. Any danger in substituting CLOSE for FREE_LUN?

Free_Lun both closes and frees up a logical unit number that has been opened with Get_Lun (i.e., one in the range 100-128). There is no need to use an additional Close in this case. Close should be used if you have chosen a logical unit number from the range 1-99 (i.e, OpenR, 5, ...). Then, using a Close both closes the file and frees it. There is no need to use Free_Lun in this case.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: FREE_LUN supposed to work in a loop?

Posted by [fgg](#) on Sun, 02 Jun 2013 18:48:58 GMT

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Thanks!

> Free_Lun both closes and frees up a logical unit number that has been
>
> opened with Get_Lun (i.e., one in the range 100-128). There is no need
>
> to use an additional Close in this case. Close should be used if you
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> have chosen a logical unit number from the range 1-99 (i.e, OpenR, 5,
>
> ...). Then, using a Close both closes the file and frees it. There is no
>
> need to use Free_Lun in this case.

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>

> Cheers,

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>

> David

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> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
