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Subject: Re: Changing File Size with OPENU?  
Posted by [Jack Saba](#) on Tue, 28 Oct 1997 08:00:00 GMT  
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I get the same behavior under both IDL 4 and IDL 5.0.2. However, when I removed the READU, and changed the point\_lun to

```
POINT_LUN, LUN, 14400+2400
```

the final file size was the same as the initial file size.

--  
Jack Saba <[jack@magus.stx.com](mailto:jack@magus.stx.com)>

Wayne Landsman wrote:

```
>  
> I always thought that when opening a file with OPENU that the file  
> wouldn't  
> change size, unless one wrote past the end of the file. But below I  
> give an  
> example of a file changing size, even though I never reached the end of  
> the  
> file.  
>  
> I suspect this might be a IDL (or Solaris 2.6) bug, because if I  
> uncomment the  
> ;print,fstat(lun) line below, then the file size stays unchanged. But  
> I  
> don't trust my thought process right now after spending 3 hours trying  
> to track  
> down this bug. Anybody know if the behaviour in the example below is  
> expected?  
>  
> --Wayne Landsman  
> landsman@mpb.gsfc.nasa.gov  
>  
> ; IDL Version 5.0.2 (sunos sparc)  
>  
> ;Create a 250000 byte file  
>  
> openw,lun,'tester.dat',/get_lun  
> writeu,lun,bytarr(250000)  
> close,lun  
>  
> ;Make sure it really is 250000 bytes  
>
```

```
> spawn,'ls -l tester.dat'
> ;-rw-r--r--  1 landsman  250000 Oct 26 08:13 tester.dat
>
> ;Now open file for update and move
> ; 14400 + 2400 + 230000 = 246800 bytes into the file
>
> openu,lun,'tester.dat'
> point_lun,lun,14400 ;Offset to 14400 bytes
> b = bytarr(2400)
> readu,lun,b ;Now read 2400 bytes
> ;print,fstat(lun)
> writeu,lun,bytarr(230000) ;Now write 230000 bytes
> free_lun,lun
> spawn,'ls -l tester.dat' ;And file has changed size!!
>
> -rw-r--r--  1 landsman  254992 Oct 26 08:13 tester.dat
```

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