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Subject: Re: [Q] Reading from file, speed  
Posted by [Koen Janssens](#) on Thu, 10 Feb 2000 08:00:00 GMT  
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And indeed it is not, with your idea it only takes about a millisecond.

Thanks a lot!

Koen

David Fanning wrote:

```
> IDL is sometimes considered a loopy language, but
> it is definitely NOT a looping language. :-)
>
> Those FOR loops are killing you. Try something
> like this:
>
>   openr, ms_dat_unit, ms_dat_file, /get_lun
>   ms = bytarr(dimx,dimy,dimz)
>   readu, ms_dat_unit, ms
>   free_lun, ms_dat_unit
>
```

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Subject: Re: [Q] Reading from file, speed  
Posted by [davidf](#) on Thu, 10 Feb 2000 08:00:00 GMT  
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Koen Janssens ([janssens@ifu.bepr.ethz.ch](mailto:janssens@ifu.bepr.ethz.ch)) writes:

```
> I am looking for a better way to import data into IDL, the one I am
> using now seems very slow (about 20 secs for reading in 2 MBytes). Here
> is the script that I use:
>
> openr, ms_dat_unit, ms_dat_file
> ms = bytarr(dimx,dimy,dimz)
> for z = 0,(dimz-1) do begin
>   for y = 0,(dimy-1) do begin
>     for x = 0,(dimx-1) do begin
>       readu, ms_dat_unit, tmp
```

```
> ms[x,y,z] = tmp
> endfor
> endfor
> endfor
> close, ms_dat_unit
> free_lun, ms_dat_unit
>
> The file I am reading contains integers in binary format (volume data
> 128^3).
```

IDL is sometimes considered a loopy language, but  
it is definitely NOT a looping language. :-)

Those FOR loops are killing you. Try something  
like this:

```
openr, ms_dat_unit, ms_dat_file, /get_lun
ms = bytarr(dimx,dimy,dimz)
readu, ms_dat_unit, ms
free_lun, ms_dat_unit
```

Cheers,

David

--

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

Toll-Free IDL Book Orders: 1-888-461-0155

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Subject: Re: [Q] Reading from file, speed  
Posted by [Ivan Zimine](#) on Thu, 10 Feb 2000 08:00:00 GMT  
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Hi,

you don't need the loops  
try this

```
ms = bytarr(dimx,dimy,dimz)
openr, lun, ms_dat_file, /get_lun
readu, lun, ms
free_lun, lun
```

hope this helps

Ivan

Koen Janssens wrote:

```
>
> I am looking for a better way to import data into IDL, the one I am
> using now seems very slow (about 20 secs for reading in 2 MBytes). Here
> is the script that I use:
>
> openr, ms_dat_unit, ms_dat_file
> ms = bytarr(dimx,dimy,dimz)
> for z = 0,(dimz-1) do begin
>   for y = 0,(dimy-1) do begin
>     for x = 0,(dimx-1) do begin
>       readu, ms_dat_unit, tmp
>       ms[x,y,z] = tmp
>     endfor
>   endfor
> endfor
> close, ms_dat_unit
> free_lun, ms_dat_unit
>
> The file I am reading contains integers in binary format (volume data
> 128^3).
>
> Any help is appreciated.
> Koen
```

--

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