Subject: Re: array concatenation and optimization
Posted by Brian Jackel on Wed, 26 Sep 2001 21:29:19 GMT
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Hi

This is what I generally do

```
 dat= {struct, a:fltarr(3), b:intarr(4), c:0b}   ;example structure
 OPENR,lun,filename,/GET_LUN
 READU,lun,dat  ;read one record
 fs= FSTAT(lun) ;look at current file information
 nrec= fs.size/fs.cur_ptr
 IF (fs.size GT 100000000L) THEN BEGIN  ;avoid out-of-memory errors
   FREE_LUN,lun
   MESSAGE,'Error- file larger than 100Mbytes, returning'
 ENDIF
 POINT_LUN,lun,0
 data= REPLICATE(dat,nrec)
 READU,lun,data   ;read all the data at once
 FREE_LUN,lun
```

I'm not sure how well this will work with compressed files.

Brian

Sean Raffuse wrote:
>
> Hello.
>
> I am trying to read a bunch of data from a file to a structure array. I'm
> not sure many data entries the file will have until I have read it and so I
> am increasing the size of the structure array after reading each line. I do
> this by concatenating.
>
> adp_struct_single is the structure as a "scalar"
> adp_struct is the array
>
> I concatenate like so:
> adp_struct =[adp_struct, adp_struct_single]
>
> This is working but it has increased the processing time of my loop by an
> order of magnitude. Is there a better way to do this? Is there a reason
> this is so slow?
>
> Thanks in advance.
>

> -Sean Raffuse