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Subject: Re: Reading a very large ascii data file  
Posted by [Martin Schultz](#) on Fri, 24 Aug 2001 18:01:03 GMT  
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mvukovic@taz.telusa.com (Mirko Vukovic) writes:

> I am reading some large ascii data files in csv (comma separated  
> fields) format, and would like to speed the process up.  
>  
> I recall someone discussing reading such files as binaries and then  
> converting to ascii after finding line breaks, but was un-able to find  
> the discussion on the group.  
>  
> Can anyone offer pointers, code, or suggestions on who might have  
> discussed it (so that I can look again on the newsgroup).  
>  
> Thanks,  
>  
> Mirko

Well, the most important speed-up is probably gained from "blocking"  
the input. At least, if you read the file in that "classical" way as:

```
readf, lun, line  
text = [ text, line ]
```

This is very unefficient, and shoul dbe replaced with something like:

```
count = 0L  
text = StrArr(10000L)  
WHILE NOT Eof(lun) DO BEGIN  
  Readf, lun, line  
  text = line  
  count = count + 1  
  IF count MOD 10000L EQ 0 THEN text = [ text, StrArr(10000) ]  
ENDWHILE  
text = text[0:count-1]
```

In principle, you can use a similar technique to read the file in binary  
format as well (not tested):

```
LEN = 1000000L  
text = BytArr(LEN)  
WHILE NOT Eof(lun) DO BEGIN  
  ReadU, lun, text, count=count ;; wasn't this something lately?  
  IF count EQ LEN THEN text = [ text, BytArr(LEN) ]  
ENDWHILE
```

