Subject: Re: Write to a certain line of a file
Posted by Mark Piper on Thu, 19 Jan 2012 16:43:47 GMT
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On 1/19/2012 5:18 AM, Brian J. Daniel wrote:
> I haven't done this, but POINT_LUN may do what you want. You'd need
> to know the number of bytes per line. You will still have to read the
> entire line, change the bit you want to change, move the LUN back to
> the beginning of the line, and rewrite it.
>
> OpenR, LUN, filename, /Get_Lun
> Point_Lun, LUN, line_number * bytes_per_line
> tmp=''
> ReadF, LUN, tmp
> ; change the line as you see fit
> new_line = tmp + 'changed line!'
> Point_Lun, LUN, line_number * bytes_per_line
> PrintF, LUN, new_line
> Free_Lun, LUN
>
> Code is UNTESTED!

To add to Brian's idea, if you have a text file, use SKIP_LUN with the
LINES keyword set. A crude example:

```
pro replace_line_ex
   compile_opt idl2

   f0 = 'ascii.txt'
   f1 = 'ascii-1.txt'
   file_copy, file_which(f0), f1, /overwrite

   nskip = 7
   line = ''
   replacement = 'My dog has fleas.'

   openu, u, f1, /get_lun
   skip_lun, u, nskip, /lines
   point_lun, -u, mark
   readf, u, line
   nchars = strlen(line)
   point_lun, u, mark
   printf, u, replacement, format='(a-' + strtrim(nchars,2) + ')'
   free_lun, u
end
```

Diff 'ascii.txt' in the example/data directory of the IDL distro with
'ascii-1.txt' in your working directory.

mp