
Subject: Re: Input buffer limits

Posted by [knighton](#) on Thu, 01 Jun 1995 07:00:00 GMT

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In <bowman-3105950847370001@csrp12.tamu.edu> bowman@csrp.tamu.edu (Kenneth P. Bowman) writes:

> I just ran into the 2048-byte input buffer limit and I can't remember
> whether there are any suggested workarounds.

> I'm trying to read an ASCII file with long records, and the error message is

```
> IDL> openr, 11, '94065V22.A01'
> IDL> x = FLTARR(1000)
> IDL> readf, 11, x
> % Input line is too long for input buffer of 2048 characters.
> % READF: Error encountered reading from file. Unit: 11
>      File: 94065V22.A01
> % Execution halted at $MAIN$ (READF).
```

> Any suggestions?

IDL has two basic types of file i/o: Formatted and Unformatted

You are using formatted i/o which tries to read ascii values from lines that end with new line characters. I assume that the file that you are trying to read is a binary file with an array of floating point numbers in it. Therefore, you get this error message because the line is too long (i.e. it doesn't end with a new line character before the line length is exceeded).

Try using:

```
OPENU, lun, '94065V22.A01', /GET_LUN ;Open the file and get a LUN
x = FLTARR(1000) ;Make the array
READU, lun, x ;Read the array
FREE_LUN, lun ;Close the file and free the LUN
```

I hope that this helps.

Ken Knighton
