
Subject: point_lun

Posted by R.Bauer on Wed, 23 Feb 2000 08:00:00 GMT

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Hi,

I have recognized today point_lun makes differences between files written on UNIX or DOS for following idl version.

```
** Structure !VERSION, 5 tags, length=40:  
ARCH      STRING  'x86'  
OS        STRING  'Win32'  
OS_FAMILY  STRING  'Windows'  
RELEASE    STRING  '5.3'  
BUILD_DATE STRING  'Nov 11 1999'
```

My very old aix machine did not make a difference if the file is written for DOS or for UNIX.

I have attached 2 example files and the testroutine.

The result of the test for windows is:

```
IDL> error_pointlun,'test.dos'  
88 7777 AA      xa      xa  
pointer is:      36  
value:   11111.1  
new position:    66  
last position:   36  
value:   11111.1
```

```
IDL> error_pointlun,'test.unix'  
88 7777 AA      xa      xa  
pointer is:      31  
value:   11111.1  
new position:    61  
% READF: Input conversion error. Unit: 102, File: test.unix  
% Execution halted at: ERROR_POINTLUN  24 error_pointlun.pro  
%           $MAIN$
```

On some data files I recognized a byte shift to right.

R.Bauer

```
88 7777
AA      xa      xa
11111.11  11.99  444.11
22222.22  21.99  555.11
33333.33  331.99 666.12
```

```
88 7777
AA      xa      xa
11111.11  11.99  444.11
22222.22  21.99  555.11
33333.33  331.99 666.12
```

```
PRO error_pointlun,file
```

```
OPENR, IUN, file, /GET_LUN
```

```
POINT_LUN, IUN, 0
```

```
s=STRARR(2)
READF,iun,s
PRINT,s
```

```
POINT_LUN,-iun,bpos
PRINT,'pointer is:',bpos
```

```
s=FLTARR(1)
READF,iun,s
PRINT,'value:',s
```

```
POINT_LUN,-iun,npos
PRINT,'new position:',npos
```

```
s=FLTARR(1)
POINT_LUN,iun,bpos
READF,iun,s
PRINT,'last position:',bpos
```

```
PRINT,'value':,s
```

```
FREE_LUN,iun
```

```
END
```

File Attachments

- 1) [test.unix](#), downloaded 83 times
 - 2) [test.dos](#), downloaded 78 times
 - 3) [error_pointlun.pro](#), downloaded 83 times
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