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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

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- 1) [test.unix](#), downloaded 107 times
  - 2) [test.dos](#), downloaded 113 times
  - 3) [error\\_pointlun.pro](#), downloaded 137 times
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