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1 #Прототип символического драйвера для Linux
2 ## Test
3 $ make
4
5 $ make clean
6
7 $ sudo insmod molab.ko debug=1
8
9 $ ls /dev/o*
10
11 /dev/olab
12
13 $ sudo chmod 0666 /dev/olab
14
15 $ cat /dev/olab
16
17 static: not initialized!
18
19 $ echo 1234567890 > /dev/olab
20
21 $ cat /dev/olab
22
23 1234567890
24
25 $ echo 1234567890987654321 > /dev/olab
26
27 $ cat /dev/olab
28
29 1234567890987654321
30
31 sudo rmmod molab
32
33 $ dmesg | grep "! " | tail -n100
34
35 [568392.294914] ! installed device /dev/olab in mode 0
36
37 [568481.101186] ! open - node: ffff8800b8abcac0, file: ffff8800bfb39f00, refcount: 1
38
39 [568481.101217] ! read - file: ffff8800bfb39f00, read from ffffffff809fb000 bytes 131072;
    refcount: 1
40
41 [568481.101225] ! return bytes : 25
42
43 [568481.101282] ! read - file: ffff8800bfb39f00, read from ffffffff809fb000 bytes 131072;
    refcount: 1
44
45 [568481.101284] ! return : EOF
46
47 [568481.101308] ! close - node: ffff8800b8abcac0, file: ffff8800bfb39f00, refcount: 1
48
49 [568515.155265] ! open - node: ffff8800b8abcac0, file: ffff880129f93d00, refcount: 1
50
51 [568515.155300] ! write - file: ffff880129f93d00, write to ffffffff809fb000 bytes 11;
    refcount: 1
52
53 [568515.155303] ! put bytes : 11
54
55 [568515.155314] ! close - node: ffff8800b8abcac0, file: ffff880129f93d00, refcount: 1
56
57 [568518.859080] ! open - node: ffff8800b8abcac0, file: ffff8800d587100, refcount: 1
58
59 [568518.859112] ! read - file: ffff8800d587100, read from ffffffff809fb000 bytes 131072;
    refcount: 1
60
61 [568518.859120] ! return bytes : 11
62
63 [568518.859177] ! read - file: ffff8800d587100, read from ffffffff809fb000 bytes 131072;
    refcount: 1
64
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65 [568518.859179] ! return : EOF
66
67 [568518.859202] ! close - node: ffff8800b8abcac0, file: ffff8800d587100, refcount: 1
68
69 [568534.554520] ! open - node: ffff8800b8abcac0, file: ffff8800b8ff2300, refcount: 1
70
71 [568534.554542] ! write - file: ffff8800b8ff2300, write to ffffffff809fb000 bytes 20;
    refcount: 1
72
73 [568534.554543] ! put bytes : 20
74
75 [568534.554550] ! close - node: ffff8800b8abcac0, file: ffff8800b8ff2300, refcount: 1
76
77 [568537.589426] ! open - node: ffff8800b8abcac0, file: ffff8800bf2c7600, refcount: 1
78
79 [568537.589458] ! read - file: ffff8800bf2c7600, read from ffffffff809fb000 bytes 131072;
    refcount: 1
80
81 [568537.589466] ! return bytes : 20
82
83 [568537.589520] ! read - file: ffff8800bf2c7600, read from ffffffff809fb000 bytes 131072;
    refcount: 1
84
85 [568537.589521] ! return : EOF
86
87 [568537.589546] ! close - node: ffff8800b8abcac0, file: ffff8800bf2c7600, refcount: 1
88
89 [568660.622478] ! released device /dev/olab
90
```