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jefferson@jefferson-VMware-Virtual-Platform: ~/Desktop/OS/hw8_new$ sudo rmmod lab8
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$ make
make -C /lib/modules/6.8.0-45-generic/build M=/home/jefferson/Desktop/OS/hw8_new modules
make[1]: Entering directory '/usr/src/linux-headers-6.8.0-45-generic'
warning: the compiler differs from the one used to build the kernel
The kernel was built by: x86_64-linux-gnu-gcc-13 (Ubuntu 13.2.0-23ubuntu4) 13.2.0
You are using: gcc-13 (Ubuntu 13.2.0-23ubuntu4) 13.2.0
make[1]: Leaving directory '/usr/src/linux-headers-6.8.0-45-generic'
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$ sudo insmod lab8.ko
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$ gcc lab8_test.c -o lab8_test
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$ ./lab8_test 1
Bytes Read: 1, Buffer: 1
Bytes Read: 1, Buffer: 10
Bytes Read: 1, Buffer: 100
Bytes Read: 1, Buffer: 1000
Bytes Read: 0, Buffer: 1000
Expected: 1000, Read: 1000
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$ sudo rmmod lab8
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$ sudo dmesg | tail
[29272.078354] audit: type=1107 audit(1731872538.081:245): pid=848 uid=101 auid=4294967295 ses=4294967295 subj=unconfined msg='apparmor="DENIED" operation=
"dbus_method_call" bus="system" path="/org/freedesktop/hostname1" interface="org.freedesktop.DBus.Properties" member="GetAll" mask="send" name=":1.324" pi
d=3736 label="snap.firefox.firefox" peer_pid=27237 peer_label="unconfined"
exe="/usr/bin/dbus-daemon" sauid=101 hostname=? addr=? terminal=?'
[29572.399349] lab8: loading out-of-tree module taints kernel.
[29572.399425] lab8: module verification failed: signature and/or required key missing - tainting kernel
[29572.407567] Device has been registered
[29680.711125] Opened. User ID is 1000
[29851.962470] Device UNREGISTERED
[29864.946572] Device has been registered
[29899.315662] Opened. User ID is 1000
[29918.497697] Device UNREGISTERED
● jefferson@jefferson-VMware-Virtual-Platform:~/Desktop/OS/hw8_new$
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