

```
tatum@tatum-VirtualBox:~$ cd Desktop
tatum@tatum-VirtualBox:~/Desktop$ make
make -C /lib/modules/6.2.0-37-generic/build M=/home/tatum/Desktop modules
make[1]: Entering directory '/usr/src/linux-headers-6.2.0-37-generic'
warning: the compiler differs from the one used to build the kernel
  The kernel was built by: x86_64-linux-gnu-gcc-11 (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0
  You are using:          gcc-11 (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0
CC [M] /home/tatum/Desktop/kernelMod.o
MODPOST /home/tatum/Desktop/Module.symvers
CC [M] /home/tatum/Desktop/kernelMod.mod.o
LD [M] /home/tatum/Desktop/kernelMod.ko
BTF [M] /home/tatum/Desktop/kernelMod.ko
Skipping BTF generation for /home/tatum/Desktop/kernelMod.ko due to unavailability of vmlinux
make[1]: Leaving directory '/usr/src/linux-headers-6.2.0-37-generic'
tatum@tatum-VirtualBox:~/Desktop$ sudo insmod kernelMod.ko
[sudo] password for tatum:
tatum@tatum-VirtualBox:~/Desktop$ dmesg | tail
dmesg: read kernel buffer failed: Operation not permitted
tatum@tatum-VirtualBox:~/Desktop$ dmesg | tail
dmesg: read kernel buffer failed: Operation not permitted
tatum@tatum-VirtualBox:~/Desktop$ sudo dmesg | tail
[62819.525651] TCP Packet
[62819.525652] Source Port: 443
[62819.526296] TCP Packet
[62819.526297] Source Port: 443
[62820.811208] TCP Packet
[62820.811210] Source Port: 443
[62820.913506] TCP Packet
[62820.913509] Source Port: 443
[62826.916095] TCP Packet
[62826.916098] Source Port: 443
tatum@tatum-VirtualBox:~/Desktop$
```