

The instructions below are for experimenting with the scull device driver module:

- compile:
make -C /lib/modules/2.6..../build M=`pwd` modules
Note: The version number of the currently running kernel can be queried via the following command:
uname -a
- when testing the scull module, it's better to become root instead of using sudo for commands:
sudo su
- load:
insmod ./scull.ko
- get the major number (if dynamic):
grep scull /proc/devices
- create the device nodes (assuming major number is 250):
mknod /dev/scull0 c 250 0
mknod /dev/scull1 c 250 1
...
- write to the device:
echo testing > /dev/scull0
- read from the device:
cat /dev/scull0
- write more than one quantum:
cp /etc/services /dev/scull1
- trace the system calls:
strace cp /etc/services /dev/scull0
- write more than the capacity of the device:
strace cp /usr/bin/inkscape /dev/scull0
- test with quantum size 8192:
rmmod scull
insmod ./scull.ko scull_quantum=8192
strace cp /etc/services /dev/scull0