sysfs-class-pktcdvd..txt
What: /sys/class/pktcdvd/
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KernelVersion: 2.6.20
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Description:

sysfs interface

The pktcdvd module (packet writing driver) creates
these files in the sysfs:
(<devid> is in format major:minor)

/sys/class/pktcdvd/
    add   (0200) Write a block device id (major:minor)
                            to create a new pktcdvd device and map
                            it to the block device.

    remove   (0200) Write the pktcdvd device id (major:minor)
                            to it to remove the pktcdvd device.

    device_map   (0444) Shows the device mapping in format:
                              pktcdvd[0-7] <pktdevid> <blkdevid>

/sys/class/pktcdvd/pktcdvd[0-7]/
    dev   (0444) Device id
    uevent   (0200) To send an uevent.

/sys/class/pktcdvd/pktcdvd[0-7]/stat/
    packets_started   (0444) Number of started packets.
    packets_finished   (0444) Number of finished packets.

    kb_written   (0444) kBytes written.
    kb_read   (0444) kBytes read.
    kb_read_gather   (0444) kBytes read to fill write packets.

    reset   (0200) Write any value to it to reset
                               pktcdvd device statistic values, like
                               bytes read/written.

/sys/class/pktcdvd/pktcdvd[0-7]/write_queue/
    size   (0444) Contains the size of the bio write
                               queue.

    congestion_off   (0644) If bio write queue size is below
                               this mark, accept new bio requests
                               from the block layer.

    congestion_on   (0644) If bio write queue size is higher
                               as this mark, do no longer accept
                               bio write requests from the block
                               layer and wait till the pktcdvd
                               device has processed enough bio's
                               so that bio write queue size is
                               below congestion off mark.
                               A value of <= 0 disables congestion

control.

Example:

To use the pktcdvd sysfs interface directly, you can do:

```
# create a new pktcdvd device mapped to /dev/hdc
echo "22:0" >/sys/class/pktcdvd/add
cat /sys/class/pktcdvd/device_map
# assuming device pktcdvd0 was created, look at stat's
cat /sys/class/pktcdvd/pktcdvd0/stat/kb_written
# print the device id of the mapped block device
fgrep pktcdvd0 /sys/class/pktcdvd/device_map
# remove device, using pktcdvd0 device id   253:0
echo "253:0" >/sys/class/pktcdvd/remove
```