Drivers and kernel minor textsion uname -r -> 4.15.0-43-generic (print the kenel release) Remel major Bugfix/Remson kornel minor device number,

Version revision Detail type defines which device within type

LS-L/dev/sda -> brw-rw---- 1 root disk 8 b

or of hard links major device number, defines

block device major device number, defines

can be c, character device. type of device and hence the driver pseudo-devices: pseudo-TTY(PTY), /dev/zero, /dev/null, /dev/urandom Operation on devices. I UFS operations: function pointer implemented by device drivers I non-vfs operations: ioctl create derice manually. mknod filename type major minor Automatico device manage-ment: uder on /der type dertmpfs and sysfs on /sys type sysfs (from mount command) udevel daemon listens to the kernel for device changes and do thing in user space. Conf files / etc/udev/udev.conf Local rules | etc | udeu | rules. d / (modify here) defaut rules / Lib / udeu / rules.d/ (do not change neve) plsusb device find: I'dness find device adding, then tudevadm into -a -n sda" uder rules: ACTION == "add", ATTRS [mode] == "USB2 Flash Storage", KERNEL = = "sd[a-2]]", # these are match keys, match clause RUN += "|bin| mkdir -p /mnt/ate-flashofon" # these are assign clause \$ sudo udevadm control -- reload-rules to reload rules. firmware: interfaces to platform specifico subsystems such as ACPI (Advanced configuration) Subdirectory of 1845 /block Information about block devices (eg, hard disk) and Power Interfall.) Its. dir for some, but not all, kernel-known filesystem 1 bus Buses known to kernel, pcI-E. SCSI, USB, etc. kernel: kernel: kernel internals such as cause and virtual Iclass A tree organised by functional types of device memory status. Ider Device info splitted between char and black devices module: dynamic modules loaded by the bernel Idevices Ancestrally correct representation of all discovered power: some details about power state,