

Mounting Cheatsheet

Task	Commands
Show device messages	dmesg less
Show block devices	lsblk, blkid
Show raw block devices	cat /proc/partitions
Show mounted devices	df or mount
Mount all devices in /etc/fstab	mount -a
Mount device in /etc/fstab	mount <device path> or mount <mountpoint path>
Unmount device	umount <device path> or umount <mountpoint path>
Mount with multiple options	mount -o acl,rw <device path> <mountpoint path>
Find locks on mounted devices	fuser <mountpoint path> or <device path>
Find locks on mounted devices	lsof grep <mountpoint>

Mount Type	Device Path
IDE Disk	/dev/hda1
SATA, SCSI, USB, Firewire	/dev/sda1
CDROM writable	/dev/sr0
Disk by label	/dev/disk/by-label/root
Disk by UUID	/dev/disk/by-uuid/bc5fbb9a-5e6e-46a0-9636-452129350168
Disk by ID	/dev/disk/by-id/dm-name-VolGroup00-LogVol00

Filesystem Type	Commands
Windows Fat32	mount -t vfat /dev/sdb /media/disk/
Optical disk (CD/DVD)	mount -t iso9660 /dev/sr0 /media/cdrom/
Windows network drive	mount -t cifs //computer/share /mnt/smbshare/
Unix network drive	mount -t nfs computer:/share /mnt/nfsshare/
Disk File	mount -o loop diskfile.img /media/diskfile/

Filesystem	Mount options
Windows Filesystems	fat,vfat, exfat, ntfs
Linux Filesystems	ext2, ext3, ext4, xfs, btrfs
Network filesystems	cifs, nfs, gfs2

Example /etc/fstab

Device	Mountpoint	Filesystem	Options	dump?	fsck?
/dev/sda1	/	ext4	defaults,acl	1	1
/dev/scd0	/media/cdrom	iso9660	user,exec	0	0
fs:/var/share	/var/share	nfs	defaults	0	0