Feb 2020

Linux notes

# General

$sudo –s // permanent sudo

$lscpu

# File system

$parted /dev/sda print

$parted /dev/sda mklabel msdos

$eject /dev/sdb

$lsblk –f // list block devices

$lsblk –f /dev/sda1

**$mount** –t ext3 /dev/sdb1 mnt/mymountpoint

$blkid // show uuid of partitions.

$tune2fs –L “MYLABEL” /dev/sda1 // set lable

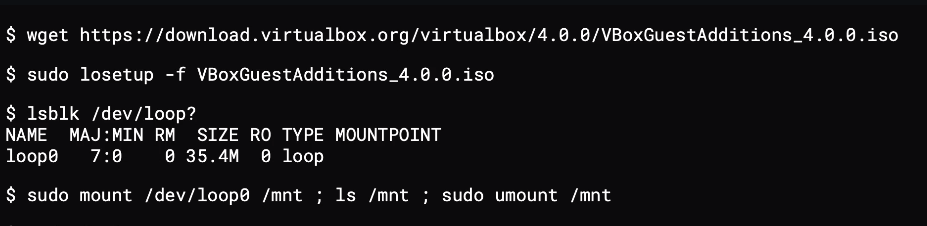
$tune2fs –l /dev/sda1 // get volume meta data

[Here](https://help.ubuntu.com/community/Fstab) is excellent tutorial about mount.

## LVM

* **pvcreate** /dev/hdd
* **vgextend** /dev/MyVG01 /dev/hdd
* **lvcreate** -L +50G --name Stuff MyVG01
* **lvextend** -L +50G /dev/MyVG01/Stuff
* **mkfs** -t ext4 /dev/MyVG01/Stuff
* **resize2fs** /dev/MyVG01/Stuff
* **e2label** /dev/MyVG01/Stuff Stuff
  + [Might be used to give label for any ext\* partition. Very usefull]
* **pvs**, info about physical volumes (pvdisplay – more details)
* **vgs**, info about volume groups (vgdisplay – more details)
* **lvs**, info about logical volumes (lvdisplay – more details)

## Loop devices



-f // find the next free loop device

# systemd

systemd is managed (mainly) by $systemctl

$systemctl list-units

$systemctl list-unit-files --type service

$systemd-analyze // to see startup details

/blame // for details

## View service logs:

(service does not emits its output to console)

tail /var/log/syslog

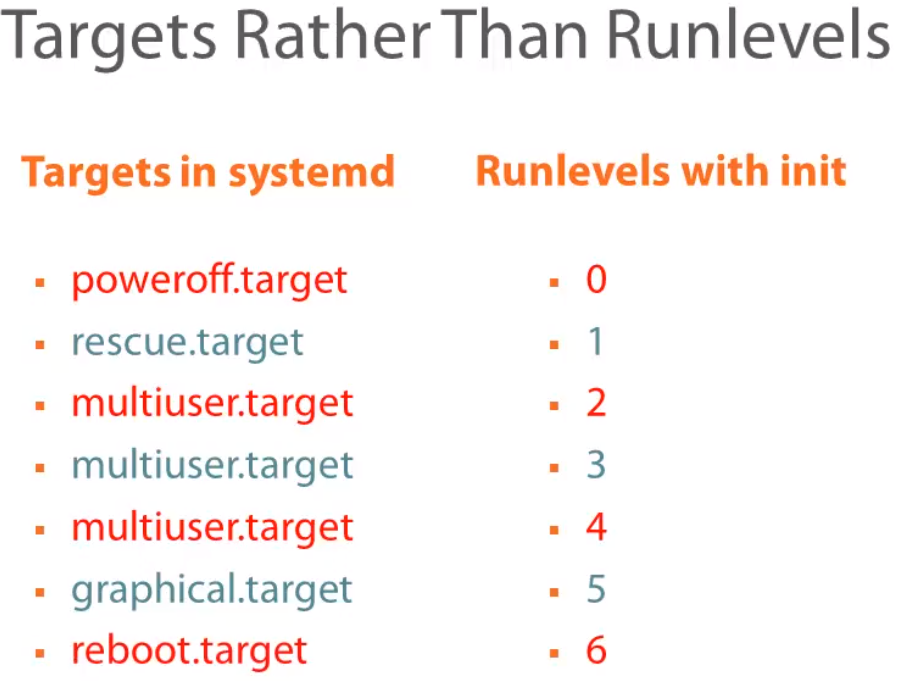
and in context of specific service, use:

sudo journalctl –u cron

for live log (like tail)

sudo journalctl –u cron –f

## target/runlevel



1 PS: Linux Kernel and System Startup

## manage targets

$systemctl get-default // default target

$systemctl set-default multiuser.target

$systemctl status multiuser.target

$systemctl status

$systemctl isolate multiuser.target // apply target now

$systemctl isolate poweroff.target

.target units can be found here: /etc/systemd/system/

## manage services

$systemctl enable atd.service // enable at startup

$systemctl disable atd.service

$systemctl start atd.service // start now

$systemctl stop atd.service // stop now

.service units can be found here: /lib/systemd/system/

