**MONTORING**

Cd /proc (virtual files containing key system information)

**files**

meminfo (usage statistics)

cpuinfo (cpu information)

**command**

top (memory resources, to check what is using how much memory)

free (free memory)

df (too much info so using the below command)

df -t ext4 (information regarding containing word ext4)

dslreports.com (actual bandwidth)

iftop (network conversion of top)

sudo iftop -i “interface name” (use iftop like this to monitor network stats, upload/download)

**MONITOR PROCESS EVENT DATA**

ps (current processes running in the current shell)

ps (every active process across all system)

ps aux | wc

**check logs**

journalctl –since “10 minutes ago” (linux log messages)

cd /var/log (all logs are here)

ls

cat syslog | grep eth0 (logs about specific string)

dmesg (messages coming from ring buffer. e.g :: adding a new usb device )

**TERMINATE PROCESSES**

for demo, start a processes

yes > /dev/null & (run process in background (&))

ps

**kill 22466 (**kill “yes” process with pid**)**

**killall yes (kill all instances of yes)**

**ENABLE/DISABLE PROCESSES**

sudo systemctl status apache2 (check status of this process)

sudo systemctl disable apache2 (disable apache2)

sudo systemctl start apache2 (start process of apache2)

**MANAGING PROCESS PRIORITIES**

**balancing**

yes > /dev/null &

ps

kill 1816

nice -19 yes > /dev/null & (It will compromise in sharing the resources with other processes , 0 is neutral, negative is bad, positive is good)

renice 15 -p 1924 (changing the value of running process)