# Architecture

arch=$(uname /a)

# PHYSICAL CPU

pcpu=$(grep "physical id" /proc/cpuinfo | wc -l)

ou physical\_cpus=$(lscpu | grep 'Core(s) per socket' | gawk '{print $2}')

#VIRTUAL CPU

vcpu=$(grep processor /proc/cpuinfo | wc -l)

Ou lscpu | grep 'CPU(s):' | gawk '{print $NF}'

#MEMORY USAGE

mem\_usage=$((free --mega | grep ‘Mem’ | gawk {printf $3})

mem\_total=$(free --mega | grep ‘Mem’ | gawk {printf $2})

mem\_percentage=$(free --mega | grep 'Mem' | gawk '{printf("(%.2f%%)\n", $3/$2\*100)}')

# DISK USAGE

disk\_usage=$(df -m | grep "/dev/" | grep -v "/boot" | gawk '{memory\_use += $3} END {printf memory\_use})

disk\_total=$(df -h | grep "/dev/" | grep -v "/boot" | gawk '{memory\_free += $2} END {printf memory\_free})

ou

df -m | grep "/dev/" | grep -v "/boot" | gawk '{memory\_total += $2} END {printf memory\_total/1024})

disk\_percentage=$(df -m | grep "/dev/" | grep -v "/boot" | gawk '{use += $3}{total += $2} END {printf(“%d%%”, use/total\*100}’)

# CPU LOAD

cpu\_load=$(vmstat 1 4 | tail -1 | gawk '{print $15}')

ou mpstat | awk '$12 ~ /[0-9.]+/ {print (100 - $12) "%"}' | tail -n 1

???

#LAST REBOOT

last\_rebbot=$(who -b | gawk '{printf $3 " " $4}')

#LVM USE

lvm\_use=$(if [ $(lsblk | grep "lvm" | wc -l) -gt 0 ]; then echo yes; else echo no; fi)

ou lvs --noheadings 2>/dev/null | awk '{print "yes"; exit} END {print "no"}'

#TCP CONNECTIONS

tcpc=$( netstat -nat | grep ESTABLISHED | wc -l)

Ou ss -t -a | grep ESTAB | wc -l

#USER LOG

user\_log=$( who | wc -l)

ou users | wc -l

#NETWORK

ip=$(hostname -I)

mac=$(ip link | grep "link/ether" | gawk '{print $2}')

#SUDO

sudo=$( journalctl | grep COMMAND | wc -l)

ou grep -c COMMAND /var/log/auth.log

wall " Architecture: $arch

CPU physical: $ pcpu

vCPU: $ vcpu

Memory Usage: $mem\_usage /${mem\_total}MB ($mem\_percentage%)

Disk Usage: $disk\_usage /${disk\_total} ($disk\_percentage%)

CPU load: $ cpu\_load%

Last boot: $ last\_rebbot

LVM use: $lvm\_use

Connections TCP: $tcpc ESTABLISHED

User log: $user\_log

Network: IP $ip ($mac)

Sudo: $sudo cmd"

<https://docs.google.com/document/d/1-BwCO0udUP7MhRh81Y681zz0BalXtKFtte_FHJc6G4s/edit>