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Use Case - 1 [System health check]

Task → To check the system health check like CPU usage, disk, memory, top processes & Active networking connections using shell script

Steps Done

→ Created the healthcheck.sh file

~~status = \$(free -h && top -bn1 &&~~

~~echo "\$status" >> log.txt~~

~~← shows CPU, memory usage~~

~~(ss -tuna)~~

~~Shows processes (bn1) in non interactive mode~~

~~Shows Active network connections~~

→ Added permission to execute the healthcheck.sh file using (chmod +x healthcheck.sh)

Script

status = \$(free -h && top -bn1 && ss -tuna)

echo "\$status" >> log.txt

chmod +x healthcheck.sh

bash healthcheck.sh

use case - 2 [Disk Usage Alert above the threshold]

Task → Check the disk usage and sends the alert
& logs the threshold alert

Script [I referred & took so many reference for this
Script like web]

threshold = 10

usage = \$(df -h /home | awk 'NF==2 {print \$2; exit}')

dir = \$(df -h /home | awk 'NF==2 {print : - - })

if (usage >= threshold); then

msg = "critical : \$dir usage : \$usage "

echo "\$msg" >> log.txt

fi