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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

$\$status = \$\left(\text{free} -h \&\& \text{top} -bn1 \&\& \text{ss} -tuna \right)$

echo "\\$status" ↴
↳ Shows CPU, memory usage
↳ Shows processes (bn1) in non interactive mode
↳ Shows Active network Connections

→ Added permission to execute the healthcheck.sh file using ($\text{chmod } +x \text{ healthcheck.sh}$)

Script

$\$status = \$\left(\text{free} -h \&\& \text{top} -bn1 \&\& \text{ss} -tuna \right)$

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

$\text{chmod } +x \text{ healthcheck.sh}$

$\text{bash healthcheck.sh}$

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
threshold = 10 Script like web]

```
usage = $(df -h /home | awk 'NF==2 {print $2; exit}')  
dir = $(df -h /home | awk 'NF==2 {print $1 - - . }')
```

```
If ( usage >= threshold ); then
```

```
    msg = "critical : $dir Usage : $usage"  
    echo "$msg" >> log.txt
```

```
fi.
```