

Linux Programming

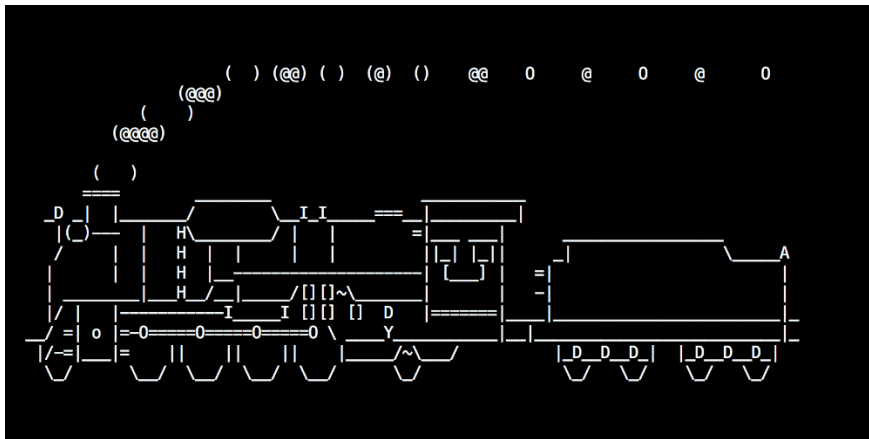
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17MIS1092

1) SL Command

sudo apt install sl

sl



2)Reverse String REV

```
root@sri:~# rev
Sridharan
narahdirS
RNS
SNR
█
```

3)System Health

vmstat 1000 > vmstat1.data

filename= "/root/Desktop/Lab/vmstat.data"

tail -f \$filename |

while read \$line do

if [(cat vmstat1.data | grep "swap")>0]

then

echo "Some rogue process has consumed massive amounts of memory">

swap.txt

fi

if [(cat vmstat.data | grep "r")>1]

```
then
echo "Some process are waiting to execute"> runqueue.txt
fi
if [ (cat vmstat.data | grep "cpu")>1000 ]
```

```
then
echo "CPU usage is more"> cpu.txt
fi
```

grep "swap" - the swap should always be zero if it's not then some process has consumed massive memory. That will be monitored in this line

grep "r" - the running queue is constantly above process 1 it indicates the system is slow and some process is waiting to be executed. That will be monitored here.

Grep "cpu" - it indicates the CPU usage of the system. If the CPU usage is more it will be monitored and will alert in this line.