Proxmox

Proxmox Stable

- Disk monitor Disk

Disk mo

Proxmox monitor resource CPU , Load , Ram , Netw

1 monitor Proxmox read-write activity

Disk access vm

(version 8) Proxmox IO delay % monitor Disk

Activity Disk

1. iostat

iostat read-write Disk

$ ssh root@xxx.xxx.xxx.xxx (Proxmox)

apt install sysstat ( )

iostat

watch -n 1 iostat (1)

iostat -t ( )

iostat -m (MB)

iostat -p nvme0n1 (nvme0n1)

```
root@[redacted]:~# iostat
Linux 5.15.39-4-pve ([redacted])        04/08/2024      _x86_64_        (12 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           5.22    0.00    1.40    0.46    0.00   92.92

Device             tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
nvme0n1         124.19       134.80      3763.61       697.81   42129918 1176235864  218087024
nvme1n1         127.93       148.59      3763.61       697.82   46438366 1176235864  218088112
zd0               0.00         0.00         0.00         0.00        116          0          0
zd112             0.00         0.00         0.00         0.00        244          0          0
zd128             0.45         2.05         4.05         0.00     641585    1265916          0
zd144             0.32         0.84         2.08         0.00     262027     649492          0
zd16              0.55         1.77         4.30         0.00     551767    1343392          0
zd160             1.56         1.31        67.08         0.00     409887   20964213          0
zd176             0.00         0.03         0.00         0.00       9024          0          0
zd32              0.00         0.01         0.00         0.00       3763          0          0
zd48             60.18         1.90      1819.15         0.00     592723  568537600          0
zd64              3.09         2.49        16.02         0.00     779422    5007413          0
zd80              0.00         0.02         0.00         0.00       6282          0          0
zd96              3.49         5.97        19.92         0.00    1865906    6224656          0
```

2. atop

atop activity (read-write) Disk CPU , Mem , Swap , Disk , NIC

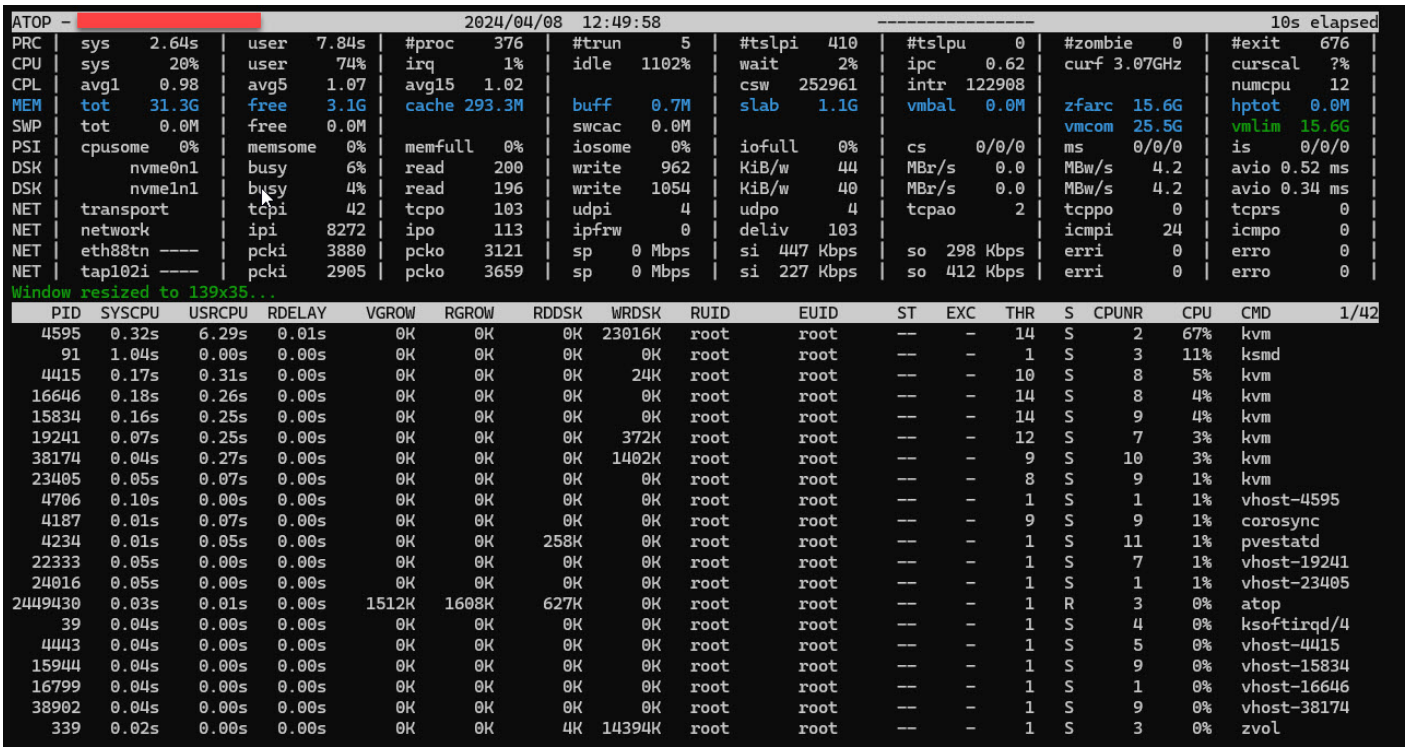
$ ssh root@xxx.xxx.xxx.xxx (Proxmox)

apt install atop ( )

atop

atop -x (color critical activity)

atop -x 1 (1)



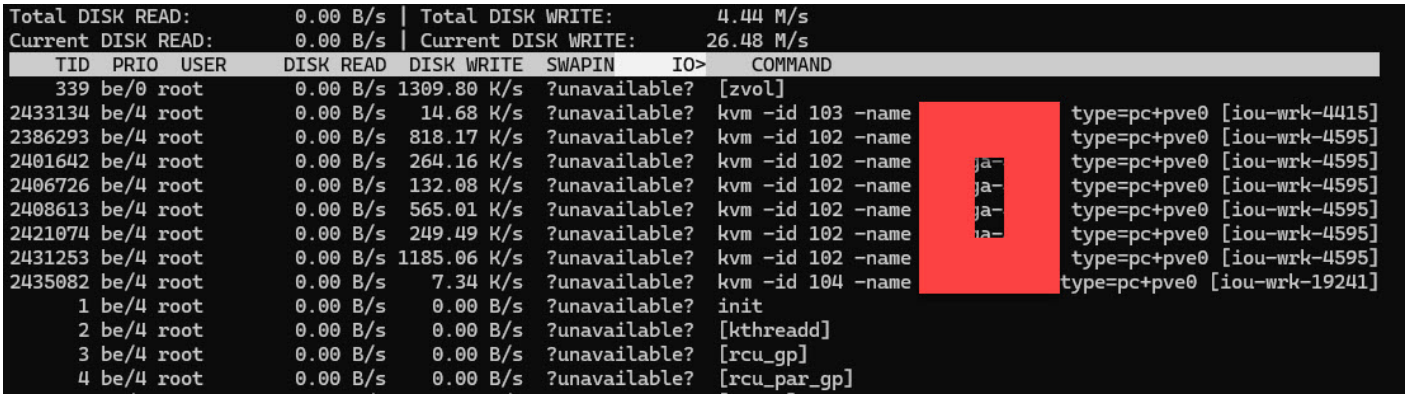
3. iotop

iotop activity (read-write) Disk application (& service)

$ ssh root@xxx.xxx.xxx.xxx (Proxmox)

apt install iotop ( )

iotop



4. dstat

dstat activity (read-write) Disk

$ ssh root@xxx.xxx.xxx.xxx (Proxmox)

apt install dstat ( )

dstat

dstat -c -d -g -l -m -n -r -s -t ( )



5. ioping

ioping Latency Disk (IO delay Proxmox)

$ ssh root@xxx.xxx.xxx.xxx (Proxmox)

apt install ioping ( )

ioping /dev/nvme0n1

```
root@[redacted]:~# ioping /dev/nvme0n1
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=1 time=185.3 us (warmup)
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=2 time=304.7 us
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=3 time=122.8 us
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=4 time=246.2 us
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=5 time=244.0 us
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=6 time=196.2 us
4 KiB <<< /dev/nvme0n1 (block device 476.9 GiB): request=7 time=216.8 us
```

> www.Limitrack.com