



CXone Mpower EXPERT

Azure CVO 中的磁盘延迟高、IOPS低

https://kb-cn-stage.netapp.com/on-prem/ontap/Perf/Perf-KBs/High_disk_latency_with_low_IOPS_in_Az...

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适用场景

- ONTAP 9
- CVO
- Azure

问题描述

- 此延迟是通过QoS统计信息中的磁盘延迟来衡量的。

```
Cluster::> qos statistics volume latency show -vserver vs0 -volume vol0
Workload ID Latency Network Cluster Data Disk QoS NVRAM
Cloud
-----
vol0 6762 137.73ms 1.91ms 1.00us 22.93ms 112.89ms 0ms
0ms 0ms
vol0 6762 133.29ms 1.82ms 0ms 2.84ms 128.62ms 0ms 0ms
```

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```

0ms
vol0    6762    78.48ms    1.96ms     0ms    7.69ms    68.83ms    0ms    0ms
0ms
vol0    6762    50.51ms    239.00us   0ms    995.00us   49.28ms    0ms
0ms    0ms

```

- **statut**命令指示在增加磁盘利用率的同时丢弃IOPS。

```

disk      ut%  xfers  ureads--chain-usecs  writes--chain-usecs  cpreads-chain-usecs
greads--chain-usecs  gwrites-chain-usecs
/data_aggr1/plex0/rg0:
0a.00.18    100 280.18  280.18  64.00  67  0.00  ....  .
0.00  ....  .  0.00  ....  .  0.00  ....  .
0a.00.10    100 280.18  280.18  64.00  64  0.00  ....  .
0.00  ....  .  0.00  ....  .  0.00  ....  .
0a.00.19    100 280.18  280.18  64.00  71  0.00  ....  .
0.00  ....  .  0.00  ....  .  0.00  ....  .
0a.00.12    100 280.18  280.18  64.00  69  0.00  ....  .
0.00  ....  .  0.00  ....  .  0.00  ....  .
0a.00.17    100 280.18  280.18  64.00  75  0.00  ....  .
0.00  ....  .  0.00  ....  .  0.00  ....  .
0a.00.16    100 280.18  280.18  64.00  77  0.00  ....  .
0.00  ....  .  0.00  ....  .  0.00  ....  .

```

- 磁盘IOPS从>3K减少到~200、磁盘利用率增加到100%、同时具有200_个待定IOPS和排队IOPS。
- EMS日志显示连接错误、如下所示

```

Tue Jul 16 14:47:05 +1000 [azpcvoause101c-01: pha_main000: scsi.cmd.floatTimeout:notice]: "Disk" device "0d.
3L0": The page blob I/O operation timeout increased to "20" seconds: HA status "0x4": OSC Error "2": retry
count "1": elapsed time "9712" milliseconds: cdb 0x88:00000000000272728820:0009. Disk 0d.3 S/N
[sa82p4kn1zbccontainerotqmyqdc7iw] UID [sa82p4kn1zbccontainerotqmyqdc7iw] Target Address

```