



CXone Mpower EXPERT

在卷移动转换阶段，延迟会增加

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

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适用场景

ONTAP 9

问题描述

在此节点上某个卷的卷移动转换阶段，存储器上的所有卷都出现短暂的速度缓慢。

示例：下面是在转换阶段从客户端和存储器的一个受影响卷上观察到的性能状况。

注意：这不是要经历卷移动转换阶段的卷

```

VDbentch log:11 18, 2020 interval i/o MB/sec bytes read resp read write
  resp resp queue cpu% cpu%
          rate 1024**2 i/o pct time resp resp max stddev depth
sys+u sys

```

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```

13:32:50.043 501 17260.00 269.69 16384 79.79 0.921 0.910 0.965 7.402
0.311 15.9 44.2 35.6
13:32:51.043 502 15972.00 249.56 16384 79.66 0.996 1.033 0.850
25.002 0.889 15.9 44.8 35.6
13:32:52.042 503 8553.00 133.64 16384 80.09 1.860 1.868 1.829 8.574
1.722 15.9 22.0 16.5
13:32:53.042 504 3407.00 53.23 16384 80.83 4.693 4.690 4.704 9.185
1.325 16.0 8.9 7.3
13:32:54.044 505 3351.00 52.36 16384 79.14 4.768 4.769 4.765 9.339
1.131 16.0 11.4 9.0
13:32:55.042 506 3406.00 53.22 16384 80.59 4.679 4.694 4.616 10.017
1.302 15.9 10.8 8.2
13:32:56.042 507 3339.00 52.17 16384 81.28 4.796 4.786 4.836 9.095
1.194 16.0 10.6 8.1
13:32:57.042 508 3399.00 53.11 16384 80.94 4.700 4.697 4.714 9.183
1.204 16.0 9.7 8.2
13:32:58.043 509 3570.00 55.78 16384 81.32 4.462 4.473 4.417 9.443
1.454 16.0 10.3 8.7
13:32:59.042 510 6971.00 108.92 16384 80.10 2.297 2.315 2.225 13.173
1.853 15.9 21.1 16.6
13:33:00.044 511 18303.00 285.98 16384 79.92 0.868 0.870 0.858 4.062
0.234 15.9 46.5 39.6
13:33:01.043 512 18439.00 288.11 16384 80.43 0.863 0.874 0.814 6.378
0.353 15.9 48.5 39.3
13:33:02.042 513 17853.00 278.95 16384 79.77 0.891 0.901 0.851 9.553
0.419 15.9 53.1 36.9

```

qos statistics volume latency show:

```

2020/11/18 13:32:48 Workload ID Latency Network Cluster Data Disk
QoS Max QoS Min NVRAM Cloud FlexCache SM Sync VA
2020/11/18 13:32:48 -----
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-----
2020/11/18 13:32:48 volume2 51455 360.00us 261.00us 0ms 26.00us 69.00us
0ms 0ms 4.00us 0ms 0ms 0ms 0ms
2020/11/18 13:32:51 volume2 51455 372.00us 264.00us 0ms 28.00us 76.00us
0ms 0ms 4.00us 0ms 0ms 0ms 0ms
2020/11/18 13:32:54 volume2 51455 1004.00us 160.00us 0ms 682.00us 159.00us
0ms 0ms 3.00us 0ms 0ms 0ms 0ms
2020/11/18 13:32:57 volume2 51455 4.21ms 138.00us 0ms 3.95ms 122.00us

```

0ms	0ms	4.00us	0ms	0ms	0ms	0ms	0ms	0ms
2020/11/18	13:33:00	volume2	51455	3.81ms	137.00us	0ms	3.54ms	127.00us
0ms	0ms	4.00us	0ms	0ms	0ms	0ms	0ms	0ms
2020/11/18	13:33:03	volume2	51455	366.00us	143.00us	0ms	128.00us	92.00us
				0ms	0ms	0ms	0ms	0ms
2020/11/18	13:33:06	volume2	51455	322.00us	132.00us	0ms	105.00us	82.00us
				0ms	0ms	0ms	0ms	0ms