



磁盘延迟、并出现extcache.io.writeError和insert_Reject限制_io

https://kb-cn-stage.netapp.com/on-prem/ontap/Perf/Perf-KBs/Disk_latency_with_extCache.io.writeError...

Updated: Wed, 22 Apr 2026 07:13:22 GMT

适用场景

- ONTAP 9
- 所有采用基于NVMe的闪存的FAS 系统

问题描述

- Disk 延迟中心延迟增加

```
cluster01::> qos statistics volume latency show -vserver vserver01 -volume
volume01
Workload      ID   Latency   Network   Cluster   Data   Disk   QoS Max   QoS
Min   NVRAM   Cloud   FlexCache   SM Sync   VA
-----
-total-      -   24.06ms  104.00us   53.00us   556.00us  23.35ms   0ms
0ms   3.00us   0ms     0ms        0ms       0ms
volume01-wid51230  51230  22.49ms  104.00us   52.00us   526.00us  21.81ms
```

'NetApp provides no representations or warranties regarding the accuracy or reliability or serviceability of any information or recommendations provided in this publication or with respect to any results that may be obtained by the use of the information or observance of any recommendations provided herein. The information in this document is distributed AS IS and the use of this information or the implementation of any recommendations or techniques herein is a customers responsibility and depends on the customers ability to evaluate and integrate them into the customers operational environment. This document and the information

```

0ms      0ms      3.00us      0ms      0ms      0ms      0ms
-total-      -      13.60ms  143.00us  60.00us  188.00us  13.21ms  0ms
0ms      2.00us      0ms      0ms      0ms      0ms
volume01-wid51230  51230  13.19ms  143.00us  59.00us  185.00us  12.80ms
0ms      0ms      2.00us      0ms      0ms      0ms      0ms

```

- 多个事件

```

wafl_exempt09: ems.engine.suppressed:debug]: Event 'extCache.io.writeError'
suppressed 67626 times in last 601 seconds.
wafl_exempt09: extCache.io.writeError:notice]: WAFL external cache I/O write
error: Insertq_save: unable to set up context chain, code 0

```

- FlashCache不再插入

```

cluster01::> node run -node node02 stats show -p flexscale-access
Cache                Reads    Writes    Disk Reads
Usage  Hit  Meta  Miss Hit Evict Inval Insert Chain Blocks Chain Blocks
Replaced
%    /s    /s    /s %    /s    /s    /s    /s    /s    /s    /s    /s
45    703    11    39171 1    0    0    0    0    0    0    0    109
45    320    26    37607 0    0    0    0    0    0    0    0    98
45    903    51    38018 2    0    0    0    0    0    0    0    114

```

- 重新启动会暂时修复此问题