



# CXone Mpower EXPERT

## 聚合可用空间较低会影响性能

[https://kb-cn-stage.netapp.com/on-prem/ontap/Perf/Perf-KBs/Performance\\_impact\\_due\\_to\\_low\\_aggreg...](https://kb-cn-stage.netapp.com/on-prem/ontap/Perf/Perf-KBs/Performance_impact_due_to_low_aggreg...)

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### 适用场景

ONTAP 9

### 问题描述

- 用户或应用程序出现性能问题，ONTAP 显示的延迟比正常情况要高
- 要检查聚合中的可用空间量、请运行 `aggr show-space cluster shell` 命令。聚合可用空间较低，已用空间超过 90%

示例：

```
cluster::> aggr show-space -aggregate <aggr_name>
```

```
...
```

```
Physical Used Percentage: 91%
```

- 可以从 `statit` CDOT 控制器或 CP 读取率较高的 7-模式控制器的节点 Shell 上查看详细说明 CP 读取和写入操作的聚

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## 合磁盘统计信息

示例：

```
::> set advanced
::*> node run -node node_1 statit -b
/* wait 60s */
::*> node run -node node_1 statit -e
...
disk          ut%  xfers  ureads--chain-usecs  writes--chain-usecs  cpreads-chain-usecs
/aggr1/plex0/rg0:
9d.01.0       36  99.01   0.00   ....   .  47.50  62.96   179  51.51  57.25   81
9d.02.0       34 100.39   0.00   ....   .  48.92  61.20   162  51.48  57.25   68
1c.03.0       56 206.74  99.04   3.22 2035  40.75  40.53   315  66.95  14.92
338
9d.00.0       73 206.66 100.15   3.22 2993  40.26  40.76  1004  66.25  14.80
640
9d.01.1       73 208.33 101.16   3.31 2918  40.38  40.48  1021  66.79  14.91
643
```

- 可能存在 EMS 日志条目：

```
[waf1.vol.full:notice]: Insufficient space on volume Cluster1_vol@vserver:0cc56ede-1c58-11e6-XXXX-00a09893e1f7 to perform operation. 8.00KB was requested but only 1.00KB was available.
```