

## 知 toolkit巡检PMC阵列卡检查读写缓存比例不通过

存储配置 徐帆 2022-11-25 发表

### 问题描述

- 巡检时, toolkit报错:  
集群一些节点的RAID卡配置不符合要求, 如下: {'10.12.173.105': ['Raid\_card 1:Read Cache Percentage,Write Cache Percentage']}, 请手动检查!

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## 过程分析

报错截图如下：

21	检查RAID卡配置是否正常	1	FAIL	集群一部分节点的RAID卡配置不符合要求，如下：[10.12.173.105: [Raid_card 1:Read Cache Percentage,Write Cache Percentage]]，请手动检查	<a href="#">操作</a>
10.12.173.103的报错 1.配置要求读缓存10%，写缓存90%，No-BatteryWriteCache是Disabled状态，CurrentPowerMode要求是MaximumPerformance。					

## 解决方法

进入需要更改的节点后台，arccnf setcache 1 logicaldrive all coff关闭所有硬盘缓存

```
[root@node3 opt]# arccnf setcache 1 logicaldrive all coff
Controllers found: 2
Note: Caching will be modified for valid logical device(s).

Disabling cache for all logical drives will set cache ratio to 100 % Read : 0 % Write.
Are you sure you want to continue?
Press y, then ENTER to continue or press ENTER to abort: y

Command completed successfully.
```

再通过arccnf setcache 1 logicaldrive all con重新开启所有硬盘缓存

```
[root@node3 opt]# arccnf setcache 1 logicaldrive all con
Controllers found: 2
Note: Caching will be modified for valid logical device(s).

Command completed successfully.
```

通过arccnf getconfig 1 ld | grep -E "Logical Device number|Caching|Present"检查SSD缓存是否关闭，HDD缓存是否开启

```
[root@node3 opt]# arccnf getconfig 1 ld | grep -E "Logical Device number|Caching|Present"
Logical Device number 0
Caching : Disabled
Device 36 : Present (457862MB, SATA, SSD, Connector:CN0, Enclosure:1, Slot:48) 20192825571B
Device 37 : Present (457862MB, SATA, SSD, Connector:CN0, Enclosure:1, Slot:49) 20192825E744
Logical Device number 1
Caching : Enabled
Device 9 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:1) ZCIDJYKS
Logical Device number 2
Caching : Enabled
Device 10 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:2) ZCIDK2OZ
Logical Device number 3
Caching : Enabled
Device 11 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:3) ZCIDF64V
Logical Device number 4
Caching : Enabled
Device 12 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:7) ZCIDG794
Logical Device number 5
Caching : Enabled
Device 13 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:8) ZCIDG0BY
Logical Device number 6
Caching : Enabled
Device 14 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:9) ZCIDB0X2
Logical Device number 7
Caching : Enabled
Device 15 : Present (3815447MB, SATA, HDD, Connector:CN0, Enclosure:1, Slot:13) ZCIDJ33N
Logical Device number 8
```

再次toolkit检查，该项通过

```
bin) 检查系统盘RAID是否正常 : Present (457862MB, SATA) 正常
      检查RAID卡配置是否正常 : Enabled 正常
      检查RAID卡逻辑盘缓存配置是否正常 : Present (3815447MB, SATA) 正常
      检查RAID卡物理盘缓存配置是否正常 : Enabled 正常
```

