

知 ONStor5.0版本LSI9560阵列卡系统下做阵列提示 the controller has data in cache for offline or missing virtual disks

江淮 2023-09-29 发表

问题描述

ONStor5.0版本LSI9560阵列卡，系统下做阵列提示 the controller has data in cache for offline or missing virtual disks

```
Adapter 0: Configure Adapter Failed
FW error description:
The current operation is not allowed because the controller has data in cache for offline or missing virtual disks.
Exit Code: 0x54
[root@zwww-hp-stor04 ceph]# megacli -GetPreservedCacheList -a0
Adapter 0: No Virtual Drive has Preserved Cache Data.
```

过程分析

硬盘故障后，阵列卡cache中有残留，清除残留信息后，再次做阵列可以解决此问题

解决方法

1、/opt/MegaRAID/storcli/storcli64 /c0 show preservedcache查询残留信息，显示VD229，存在残留

```
[root@rhel7 ~]# /opt/MegaRAID/storcli/storcli64 /c0 show preservedcache
CLI Version = 007.1506.0000.0000 Aug 11, 2020
Operating system = Linux 5.10.38-21.h10.el7.x86_64
Controller = 0
Status = Success
Description = None

-----
  VD Size State
-----
229 - Missing
```

2、/opt/MegaRAID/storcli/storcli64 /c0/v229 delete preservedcache force清除残留信息，v后数字根据步骤1查询结果填写

```
[root@rhel7 ~]# /opt/MegaRAID/storcli/storcli64 /c0/v229 delete preservedcache force
CLI Version = 007.1506.0000.0000 Aug 11, 2020
Operating system = Linux 5.10.38-21.h10.el7.x86_64
Controller = 0
Status = Success
Description = Virtual Drive preserved Cache Data Cleared.
```

3、再次执行做阵列指令/opt/MegaRAID/storcli/storcli64 /c0 add vd r0 size=all name=R0 drives=251:1
1，阵列可以做成功

```
[root@rhel7 ~]# /opt/MegaRAID/storcli/storcli64 /c0 add vd r0 size=all name=R0 drives=251:1
CLI Version = 007.1506.0000.0000 Aug 11, 2020
Operating system = Linux 5.10.38-21.h10.el7.x86_64
Controller = 0
Status = Success
Description = Add VD Succeeded.
```

