



## 由于卷的可用空间不足、写入预留了空间的LUN失败

https://kb-cn.netapp.com/on-prem/ontap/OHW/OHW-KBs/Write\_to\_space-reserved\_LUN\_fails\_due\_to...

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## 适用场景

- AFF系统
- ONTAP 9

## 问题描述

- iSCSI卷与SQL集群节点意外断开连接。
- · 半厚卷配置中预留了空间的LUN:
  - 。 卷保证=卷
  - 。 预留百分比= 0

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- 。 已禁用存储效率
- 。 无快照
- 。 自动调整设置: Mode=off
- "user-data"超过LUN大小、由于卷已满、它们偶尔会出现写入失败。

## 示例:

[Node01: wafl\_spcd\_main: monitor.volume.full:debug]: Volume Voll@vserver:XXXXX is full (using or reserving 98% of space and 0% of inodes).

[Node01: wafl\_exempt00: wafl.vol.full:alert]: Insufficient space on volume Vol@vserver:XXXXX to perform operation. 64.0KB was requested but only 1.00KB was available.

[Node01: wafl\_exempt00:wafl.write.fail.spcres:error]: Write failed to file with space reservations due to lack of disk space in volume Vol1@vserver:XXXXX(guarantee volume, inode 96, offset 22128820224, len 65536)

::> df -h -vserver vs01 -volume Vol1

Filesystem total used avail capacity Mounted on Vserver /vol/Vol1/ 315GB 315GB 0B 100% /Vol1 vs01 /vol/Vol1/.snapshot 0B 0B 0B 0% /Vol1/.snapshot vs01

2 entries were displayed.

::> vol show-space Vol1 -fields performance-metadata, user-data, filesystem-metadata, inodes, total-used, physical-used, logical-used;

vserver volume user-data filesystem-metadata inodes performance-metadata total-used physical-used logical-used

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24KB

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vs01 Vol1 <mark>305.4GB</mark> 138.4MB

9.45GB 315.0GB 288.4GB 315GB

::> lun show -vserver vs01 -path /vol/Vol1/Lun1 -instance

Vserver Name: vs01

LUN Path: /vol/Vol1/lun1

Volume Name: Vol1
Qtree Name: ""
LUN Name: lun1
LUN Size: 300GB

OS Type: linux

Space Reservation: enabled

Space Reservations Honored: false

Space Allocation: enabled

State: online

Space Reservations Honored: false

Space Allocation: enabled

State: online
Mapped: mapped

Physical Size of Logical Block: 512B

Read Only: false

Fenced Due to Restore: false

Used Size: 282.33GB

Maximum Resize Size: 128TB