



## 拆分卷克隆期间WAFL不一致、并重新设置并行密钥

[https://kb-cn-stage.netapp.com/on-prem/ontap/Ontap\\_OS/OS-KBs/WAFL\\_inconsistency\\_during\\_volum...](https://kb-cn-stage.netapp.com/on-prem/ontap/Ontap_OS/OS-KBs/WAFL_inconsistency_during_volum...)

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### 适用场景

- AFF
- ONTAP <= 9.7
- NetApp 卷加密 (NetApp Volume Encryption, NVE)
- 已拆分卷克隆

### 问题描述

- 卷克隆是从使用NVE加密的源卷创建的。
- 克隆会拆分、这也会在ONTAP <9.7中对NVE触发并行重新设置密钥操作。
- 运行克隆拆分+重新设置密钥的节点将出现以下情况：

```
Fri Jun 30 09:22:24 UTC [node-01: wafl_exempt09: sk.panic:alert]: Panic String:  
Unrecoverable metadata block (file 77, block 15765045879, fbn 66948, level 0,  
file type 1) in volume myVolume@vserver:bef12b50-1234-dead-babe-00a098f48f12.  
WAFL inconsistent. Contact NetApp technical support. in SK process wafl_exempt09  
on release 9.5P9 (C)
```

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- 由于崩溃而接管服务的HA或DR配对节点确实会触发相同的崩溃。
- HA或DR配对节点在接管/切换中再次联机、而克隆卷处于脱机状态、标记为WAFL不一致。
- MetroCluster切回或HA交还会被否决、类似于：

```
Wed Jul 05 16:52:09 UTC [nacons-n11: vdb_apply_work22:  
wafl.mcc.sb.nso.veto.nvsave:error]: Switchback or negotiated switchover vetoed  
due to presence of NVSave files for 'Flexible Volume' (FSID 1377713130, UUID  
fb14c13d-dead-babe-affe-00a098f13777).
```