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## (不在Inode中)错误—AutoSupport消息

[https://kb-cn-stage.netapp.com/on-prem/ontap/Ontap\\_OS/OS-KBs/OUT\\_OF\\_INODES\\_ERROR\\_-\\_Auto...](https://kb-cn-stage.netapp.com/on-prem/ontap/Ontap_OS/OS-KBs/OUT_OF_INODES_ERROR_-_Auto...)

Updated: Wed, 22 Apr 2026 08:33:23 GMT

### 适用场景

- ONTAP 9
- 灵活卷(FlexVol)
- HA组通知(非节点)错误

### 事件摘要

- 当卷的Inode (指单个文件、其他类型的文件和目录)不足时、会出现此消息。
- 当卷的inode数用尽时、在增加了inode数或释放了现有inode之前、无法在该卷中创建更多文件。

### 验证

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## 方法1：在事件日志中标识卷

1. 运行以下命令：

```
::>event log show -severity error -message-name *Inodes*
```

2. 确认此事件存在：

```
[node1: wafl_exempt12: wafl.vol.outOfInodes:error]: file system on Volume  
volumel@vserver:bf5f-00a0989xxxxx is out of inodes because it has reached the  
maximum number of files  
[node1: wafl_exempt12: callhome.no.inodes:error]: Call home for OUT OF INODES
```

## 方法2：通过CLI查询确定卷

- 在ONTAP中、您可以在高级权限模式下使用以下命令查看每个卷的节点数：

```
::>set advanced
```

```
::*> volume show -volume <Vol name> -fields size, files,files-used,files-  
maximum-possible
```

示例：

```
::> set advanced  
::~*> volume show -volume voll -fields size, files,files-used,files-maximum-  
possible  
  
vserver volume size files files-used files-maximum-possible  
-----  
svml voll 500GB 15564791 96 124518391
```

- `files` -节点容量 (允许的最大文件数)
  - `files-used` -卷中使用的文件数
  - `files-maximum-possible` -每个卷大小允许的最大Inode容量
- 作为备用命令、运行`df -i volume_name` (使用事件日志中标识的卷)

```
::> df -i volumel  
Filesystem iused ifree %iused Mounted on  
/vol/volumel/ 30646220 0 100% /home
```

## 解决方法

- 通过删除或移动文件来减少文件数量，或者

- 参阅[如何增加灵活卷的最大文件数量](#)来增加 inode 限制。

## 追加信息

- [什么是节点？](#)
- [常见问题解答- ONTAP最大Inode数\(maxfiles\)](#)
- [如何确定卷的默认和最大Inode计数](#)