

## 组网及说明

无

## 问题描述

现场部署H3Cloud OS前需要将挂载的存储卷格式化为ext4文件系统，在执行 `mkfs.ext4 /dev/sdx` 时报错如下：

```
[root@masterOS-72 ~]# mkfs.ext4 /dev/sdo
mke2fs 1.42.9 (28-Dec-2013)
/dev/sdo is entire device, not just one partition!
Proceed anyway? (y,n) y
/dev/sdo is apparently in use by the system; will not make a filesystem here!
```

## 过程分析

报错提示/dev/sdo 正在被使用。/dev/sdk1 正在被DM管理，所以我们创建文件系统时提示报错，我们手工的移除，就可以正常的创建文件系统，操作如下：

```
[root@masterOS-72 ~]# dmsetup status //查看DM管理状态，发现已经配置了存储多路径
```

```
ce-elasticsearch1: 0 629145600 multipath 2 0 0 0 1 1 A 0 1 0 8:208 A 0
ce-elasticsearch0: 0 62914560 multipath 2 0 0 0 1 1 A 0 1 0 8:128 A 0
elasticsearch2: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:0 A 0
ae-cloudify-resource: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:176 A 0
elasticsearch1: 0 419430400 multipath 2 0 0 0 1 1 A 0 1 0 8:16 A 0
Postgresql: 0 10485760 multipath 2 0 0 0 1 1 A 0 1 0 8:48 A 0
elasticsearch0: 0 104857600 multipath 2 0 0 0 1 1 A 0 1 0 8:160 A 0
harbor-log: 0 104857600 multipath 2 0 0 0 1 1 A 0 1 0 8:64 A 0
openstack-glance: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:32 A 0
ae-cloudify-apporch: 0 20971520 multipath 2 0 0 0 1 1 A 0 1 0 8:224 A 0
nexus: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:80 A 0
openstack-gnocchi: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:96 A 0
harbor-registry: 0 1048576000 multipath 2 0 0 0 1 1 A 0 1 0 8:112 A 0
terraform: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:144 A 0
ce-elasticsearch2: 0 209715200 multipath 2 0 0 0 1 1 A 0 1 0 8:192 A 0
centos-swap: 0 33554432 linear
centos-root: 0 405651456 linear
```

```
[root@masterOS-72 ~]# dmsetup remove_all //移除DM管理
```

```
[root@masterOS-72 ~]# dmsetup status //查看DM管理状态已被移除
```

```
centos-swap: 0 33554432 linear
centos-root: 0 405651456 linear
```

```
[root@masterOS-72 ~]# mkfs.ext4 /dev/sdo //重新格式化正常
```

```
mke2fs 1.42.9 (28-Dec-2013)
/dev/sdo is entire device, not just one partition!
Proceed anyway? (y,n) y
Filesystem label=
OS type: Linux
Block size=4096 (log=2)
Fragment size=4096 (log=2)
Stride=0 blocks, Stripe width=0 blocks
655360 inodes, 2621440 blocks
131072 blocks (5.00%) reserved for the super user
First data block=0
Maximum filesystem blocks=2151677952
80 block groups
32768 blocks per group, 32768 fragments per group
8192 inodes per group
Superblock backups stored on blocks:
32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632
```

```
Allocating group tables: done
```

```
Writing inode tables: done
```

```
Creating journal (32768 blocks): done
```

Writing superblocks and filesystem accounting information: done

#### 解决方法

在后台执行挂载存储卷相关操作时请严格按照开局文档按照顺序执行相关命令，必须先格式化后才能配置存储多路径，否则无法正常格式化存储卷为ext4文件系统。