Learningspace的GlusterFS支持NVME SSD的配置方法

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组网及说明

超融合场景下的Learningspace

问题描述

Learningspace暂时不支持识别nvme ssd硬盘，所以当集群使用NVME盘时，GlusterFS无法自动检测到NVME盘

过程分析

如果有需要将nvme ssd硬盘作为教学镜像存储使用的，可以采用后台挂载nvme ssd,然后再到前台纳管的方式进行。前台代码检测到后台已经挂载有/vms/learingspace目录，则会自动识别。

解决方法

1、查看nvme硬盘的Name

```
[root@BJLJ-cvknode-03 ~]# lsblk
NAME     MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
nvme0n1 259:0    0 894.3G  0 disk
sdd       8:48   0   3.7T  0 disk
sdb       8:16   0   3.7T  0 disk
loop4     7:4    0    30G  0 loop /vms/h3cdshare
sdc       8:32   0   3.7T  0 disk
sda       8:0    0 446.6G  0 disk
├─sda4    8:4    0  31.7G  0 part /var/log
├─sda2    8:2    0 104.5G  0 part /
├─sda5    8:5    0   278G  0 part /vms
├─sda3    8:3    0    32G  0 part [SWAP]
└─sda1    8:1    0   512M  0 part /boot/efi
[root@BJLJ-cvknode-03 ~]#
```

2、执行fdisk /dev/neme0n1格式化该硬盘

```
[root@BJLJ-cvknode-03 ~]# fdisk /dev/nvme0n1
Welcome to fdisk (util-linux 2.23.2).

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table
Building a new DOS disklabel with disk identifier 0x5333bdd1.

Command (m for help):
```

先执行p查看是否已有分区，一般是没有，有的话，需要执行d删除分区

执行n然后反复回车，直到分区完成，然后执行wq保存退出

```
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Device does not contain a recognized partition table
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Command (m for help): p

Disk /dev/nvme0n1: 960.2 GB, 960197124096 bytes, 1875385008 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x5333bdd1

        Device Boot      Start         End      Blocks   Id  System

Command (m for help): n
Partition type:
   p   primary (0 primary, 0 extended, 4 free)
   e   extended
Select (default p):
Using default response p
Partition number (1-4, default 1):
First sector (2048-1875385007, default 2048):
Using default value 2048
Last sector, +sectors or +size{K,M,G} (2048-1875385007, default 1875385007):
Using default value 1875385007
Partition 1 of type Linux and of size 894.3 GiB is set

Command (m for help): wq
```

3 执行mkfs.ext4 /dev/neme0n1p1格式化刚才分的分区

```
Command (m for help): wq
The partition table has been altered!
```