

- 4.1. Verify the current layout of the `/mnt/cephfs/ceph01` directory.

```
[admin@clienta ~]$ getfattr -n ceph.dir.layout /mnt/cephfs/ceph01
/mnt/cephfs/ceph01: ceph.dir.layout: No such attribute
```

- 4.2. Set the `ceph.dir.layout.stripe_count` layout attribute to 2 for the `/mnt/cephfs/ceph01` directory.

```
[admin@clienta ~]$ setfattr -n ceph.dir.layout.stripe_count -v 2 \
/mnt/cephfs/ceph01
```

- 4.3. Create a 10 MB file called `secondfile` in the `/mnt/cephfs/ceph01` directory.

```
[admin@clienta ~]$ dd if=/dev/zero of=/mnt/cephfs/ceph01/secondfile \
bs=1024 count=10000
10000+0 records in
10000+0 records out
10240000 bytes (10 MB, 9.8 MiB) copied, 0.0391504 s, 262 MB/s
```

- 4.4. Verify that the `secondfile` file has the correct layout attribute.

```
[admin@clienta ~]$ getfattr -n ceph.file.layout /mnt/cephfs/ceph01/secondfile
getfattr: Removing leading '/' from absolute path names
# file: mnt/cephfs/ceph01/secondfile
ceph.file.layout="stripe_unit=4194304 stripe_count=2 object_size=4194304
pool=cephfs.cl260-fs.meta"
```

5. Switch to the root user. Install and use the `ceph-fuse` client to mount a new directory called `cephfuse`.

- 5.1. Switch to the root user. Install the `ceph-fuse` package.

```
[admin@clienta ~]$ sudo -i
[root@clienta ~]# yum install -y ceph-fuse
...output omitted...
```

- 5.2. Create a directory called `/mnt/cephfuse` to use as a mount point for the Fuse client. Mount your new Ceph-Fuse file system on that directory.

```
[root@clienta ~]# mkdir /mnt/cephfuse
[root@clienta ~]# ceph-fuse -m serverc: /mnt/cephfuse/
2021-11-01T20:18:33.004-0400 7f14907ea200 -1 init, newargv = 0x5621fed5f550
newargc=15
ceph-fuse[48516]: starting ceph client
ceph-fuse[48516]: starting fuse
```

- 5.3. View the contents of the `/mnt` directory.

```
[root@clienta ~]# tree /mnt
/mnt
|-- cephfs
```