

1.4. Deploy the MDS service on `serverc.lab.example.com`.

```
[ceph: root@clienta /]# ceph orch apply mds mycephfs \
--placement="1 serverc.lab.example.com"
Scheduled mds.mycephfs update...
```

1.5. Verify that the MDS service is active.

```
[ceph: root@clienta /]# ceph mds stat
mycephfs:1 {0=mycephfs.serverc.mycctv=up:active}
[ceph: root@clienta /]# ceph status
cluster:
  id:         472b24e2-1821-11ec-87d7-52540000fa0c
  health: HEALTH_OK

services:
  mon: 4 daemons, quorum serverc.lab.example.com,serverd,servere,clienta (age
29m)
  mgr: servere.xnprpz(active, since 30m), standbys: clienta.jahhir,
serverd.qbvejy, serverc.lab.example.com.xgbgpo
  mds: 1/1 daemons up
  osd: 15 osds: 15 up (since 28m), 15 in (since 28m)
  rgw: 2 daemons active (2 hosts, 1 zones)

data:
  volumes: 1/1 healthy
  pools:   7 pools, 169 pgs
  objects: 212 objects, 7.5 KiB
  usage:   215 MiB used, 150 GiB / 150 GiB avail
  pgs:     169 active+clean
```

1.6. List the available pools. Verify that `mycephfs_data` and `mycephfs_metadata` are listed.

```
[ceph: root@clienta /]# ceph df
--- RAW STORAGE ---
CLASS      SIZE      AVAIL      USED    RAW USED    %RAW USED
hdd        90 GiB    90 GiB    129 MiB    129 MiB         0.14
TOTAL      90 GiB    90 GiB    129 MiB    129 MiB         0.14

--- POOLS ---
POOL                                ID  PGS   STORED  OBJECTS    USED  %USED  MAX AVAIL
device_health_metrics              1    1      0 B         0      0 B     0      28 GiB
.rgw.root                          2   32    1.3 KiB         4    48 KiB     0      28 GiB
default.rgw.log                    3   32    3.6 KiB        177   408 KiB     0      28 GiB
default.rgw.control                4   32      0 B          8      0 B     0      28 GiB
default.rgw.meta                   5    8      0 B          0      0 B     0      28 GiB
mycephfs_data                      6   32      0 B          0      0 B     0      28 GiB
mycephfs_metadata                  7   32    2.3 KiB         22    96 KiB     0      28 GiB
```

- 2. Mount the new CephFS file system on the `/mnt/mycephfs` directory as a kernel client on the `clienta` node. Verify normal operation by creating two folders `dir1` and `dir2` on the