

- 4.1. Create an OSD daemon by using device `/dev/vde` on `serverc.lab.example.com`.

```
[ceph: root@clienta /]# ceph orch daemon add osd serverc.lab.example.com:/dev/vde
Created osd(s) 9 on host 'serverc.lab.example.com'
```

- 4.2. Create an OSD daemon by using device `/dev/vdf` on `serverc.lab.example.com`.

```
[ceph: root@clienta /]# ceph orch daemon add osd serverc.lab.example.com:/dev/vdf
Created osd(s) 10 on host 'serverc.lab.example.com'
```

- 4.3. Verify that the daemons are running.

```
[ceph: root@clienta /]# ceph orch ps | grep -ie osd.9 -ie osd.10
osd.9          serverc.lab.example.com  running (6m)  6m ago  6m  ...
osd.10         serverc.lab.example.com  running (6m)  6m ago  6m  ...
```

- 4.4. View the cluster storage size.

```
[ceph: root@clienta /]# ceph df
--- RAW STORAGE ---
CLASS      SIZE      AVAIL      USED  RAW USED  %RAW USED
hdd    110 GiB  110 GiB  297 MiB   297 MiB    0.26
TOTAL  110 GiB  110 GiB  297 MiB   297 MiB    0.26
...output omitted...
```

- 4.5. View the OSD tree.

```
[ceph: root@clienta /]# ceph osd tree
ID CLASS WEIGHT  TYPE NAME        STATUS REWEIGHT PRI-AFF
-1          0.10776 root default
-3          0.04898 host serverc
 0 hdd 0.00980  osd.0           up    1.00000 1.00000
 1 hdd 0.00980  osd.1           up    1.00000 1.00000
 2 hdd 0.00980  osd.2           up    1.00000 1.00000
 9 hdd 0.00980  osd.9           up    1.00000 1.00000
10 hdd 0.00980  osd.10          up    1.00000 1.00000
-5          0.02939 host serverd
 3 hdd 0.00980  osd.3           up    1.00000 1.00000
 4 hdd 0.00980  osd.4           up    1.00000 1.00000
 5 hdd 0.00980  osd.5           up    1.00000 1.00000
-7          0.02939 host servere
 6 hdd 0.00980  osd.6           up    1.00000 1.00000
 7 hdd 0.00980  osd.7           up    1.00000 1.00000
 8 hdd 0.00980  osd.8           up    1.00000 1.00000
```

- 5. Enable the orchestrator service to create OSD daemons automatically from the available cluster devices. Verify the creation of the `all-available-devices` OSD service, and the existence of new OSD daemons.