

```
[ceph: root@clienta /]# ceph orch apply mon \
--placement="clienta.lab.example.com serverc.lab.example.com \
serverd.lab.example.com servere.lab.example.com"
Scheduled mon update...
[ceph: root@clienta /]# ceph mon stat
e6: 4 mons at {clienta=[v2:172.25.250.10:3300/0,v1:172.25.250.10:6789/0],
serverc.lab.example.com=[v2:172.25.250.12:3300/0,v1:172.25.250.12:6789/0],
serverd=[v2:172.25.250.13:3300/0,v1:172.25.250.13:6789/0],
servere=[v2:172.25.250.14:3300/0,v1:172.25.250.14:6789/0]},
election epoch 46, leader 0 serverc.lab.example.com, quorum 0,1,2,3
serverc.lab.example.com,clienta,serverd,servere
```

**Important**

Always keep at least three MONs running in a production cluster.

## 10.2. Remove the serverg node's OSDs.

```
[ceph: root@clienta /]# ceph orch ps serverg.lab.example.com
NAME                HOST                STATUS    REFRESHED  AGE
PORTS  VERSION      IMAGE ID    CONTAINER ID
crash.serverg       serverg.lab.example.com running (3m) 35s ago    3m -
  16.2.0-117.el8cp  2142b60d7974  db0eb4d442b2
node-exporter.serverg serverg.lab.example.com running (3m) 35s ago    3m
  *:9100 0.18.1      68b1be7484d4 982fc365dc88
osd.10              serverg.lab.example.com running (2m) 35s ago    2m -
  16.2.0-117.el8cp  2142b60d7974  c503c770f6ef
osd.11              serverg.lab.example.com running (2m) 35s ago    2m -
  16.2.0-117.el8cp  2142b60d7974  3e4f85ad8384
osd.9               serverg.lab.example.com running (2m) 35s ago    2m -
  16.2.0-117.el8cp  2142b60d7974  ab9563910c19
[ceph: root@clienta /]# ceph orch stop 9 10 11
stop down osd.9. stop down osd.10. stop down osd.11.
[ceph: root@clienta /]# ceph orch out 9 10 11
marked out osd.9. marked out osd.10. marked out osd.11.
[ceph: root@clienta /]# ceph orch crush remove osd.9
removed item id 9 name 'osd.9' from crush map
[ceph: root@clienta /]# ceph orch crush remove osd.10
removed item id 10 name 'osd.10' from crush map
[ceph: root@clienta /]# ceph orch crush remove osd.11
removed item id 11 name 'osd.11' from crush map
[ceph: root@clienta /]# ceph orch rm 9 10 11
removed osd.9, osd.10, osd.11
```

## 10.3. Remove the serverg node from the cluster. Verify that the serverg node has been removed.