

- 8.3. Verify that the `osd.all-available-devices` service now has the `unmanaged` flag.

```
[ceph: root@clienta /]# ceph orch ls
```

| NAME | RUNNING | REFRESHED | AGE | PLACEMENT |
|----------------------------------|---------|-----------|-----|-------------|
| alertmanager | 1/1 | 2m ago | 8d | count:1 |
| crash | 4/4 | 9m ago | 8d | * |
| grafana | 1/1 | 2m ago | 8d | count:1 |
| mgr | 4/4 | 9m ago | 8d | ... |
| mon | 4/4 | 9m ago | 8d | ... |
| node-exporter | 4/4 | 9m ago | 8d | * |
| osd.all-available-devices | 8/12 | 7m ago | 10s | <unmanaged> |
| osd.default_drive_group | 9/12 | 9m ago | 13h | server* |
| osd.unmanaged | 2/3 | 9m ago | - | <unmanaged> |
| prometheus | 1/1 | 2m ago | 8d | count:1 |
| rgw.realm.zone | 2/2 | 2m ago | 2d | ... |

- 9. Stop the OSD daemon associated with the `/dev/vdf` device on `serverd` and remove it. Verify that the removal process ends correctly. Zap the `/dev/vdf` device on `serverd`. Verify that the Orchestrator service does not create a new OSD daemon from the cleaned device.



Note

It is expected that the OSD ID might be different in your lab environment. Use `ceph device ls | grep 'serverd.lab.example.com:vdf'` to obtain your OSD ID.

- 9.1. Stop the OSD daemon associated with the `/dev/vdf` device on `serverd` and remove it.

```
[ceph: root@clienta /]# ceph device ls | grep 'serverd.lab.example.com:vdf'
297fa02b-7e18-463c-9 serverd.lab.example.com:vdf osd.ID
[ceph: root@clienta /]# ceph orch daemon stop osd.ID
stop osd.ID.
[ceph: root@clienta /]# ceph orch daemon rm osd.ID --force
Scheduled OSD(s) for removal
[ceph: root@clienta /]# ceph orch osd rm status
```

| OSD_ID | HOST | STATE | PG_COUNT | REPLACE | FORCE |
|--------|-------------------------|-------------------------|----------|---------|-------|
| | | DRAIN_STARTED_AT | | | |
| ID | serverd.lab.example.com | done, waiting for purge | 0 | False | False |
| | None | | | | |

- 9.2. Verify that the removal was successful, then remove the OSD ID.

```
[ceph: root@clienta /]# ceph orch osd rm status
No OSD remove/replace operations reported
[ceph: root@clienta /]# ceph osd rm ID
```

- 9.3. Verify that the orchestrator service does not create a new OSD daemon from the cleaned device.