

► Guided Exercise

Describing Red Hat Ceph Storage Architecture

In this exercise, you navigate and query the Red Hat Ceph Storage cluster.

Outcomes

You should be able to navigate and work with services within the Ceph cluster.

Before You Begin

As the student user on the workstation machine, use the `lab` command to prepare your system for this exercise.

```
[student@workstation ~]$ lab start intro-arch
```

This command confirms that the Ceph cluster in the classroom is operating.

Instructions

- 1. Log in to the admin node, `clienta`, and view Ceph services.

- 1.1. Log in to `clienta` as the `admin` user and switch to the root user.

```
[student@workstation ~]$ ssh admin@clienta
...output omitted...
[admin@clienta ~]$ sudo -i
[root@clienta ~]#
```

- 1.2. Use the `ceph orch ls` command within the `cephadm shell` to view the running services.

```
[root@clienta ~]# cephadm shell -- ceph orch ls
Inferring fsid 2ae6d05a-229a-11ec-925e-52540000fa0c
Inferring config /var/lib/ceph/2ae6d05a-229a-11ec-925e-52540000fa0c/mon.clienta/
config
Using recent ceph image...
NAME                                RUNNING  REFRESHED  AGE  PLACEMENT
alertmanager                        1/1      8m ago     2d   count:1
crash                                4/4      8m ago     2d   *
grafana                             1/1      8m ago     2d   count:1
mgr                                  4/4      8m ago     2d
clienta.lab.example.com;serverc.lab.example.com;serverd.lab.example.com;servere.l
ab.example.com
mon                                  4/4      8m ago     2d
clienta.lab.example.com;serverc.lab.example.com;serverd.lab.example.com;servere.l
ab.example.com
node-exporter                        4/4      8m ago     2d   *
```