

## ► Guided Exercise

# Performing Cluster Administration and Monitoring

In this exercise, you will perform common administration operations on a Red Hat Ceph Storage cluster.

## Outcomes

You should be able to administer and monitor the cluster, including starting and stopping specific services, analyzing placement groups, setting OSD primary affinity, verifying daemon versions, and querying cluster health and utilization.

## 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 cluster-admin
```

This command confirms that the hosts required for this exercise are accessible.

## Instructions

- 1. Log in to `clienta` as the `admin` user and use `sudo` to run the `cephadm` shell.

```
[student@workstation ~]$ ssh admin@clienta
[admin@clienta ~]$ sudo cephadm shell
[ceph: root@clienta /]#
```

- 2. View the enabled MGR modules. Verify that the `dashboard` module is enabled.

```
[ceph: root@clienta /]# ceph mgr module ls | more
{
  "always_on_modules": [
    "balancer",
    "crash",
    "devicehealth",
    "orchestrator",
    "pg_autoscaler",
    "progress",
    "rbd_support",
    "status",
    "telemetry",
    "volumes"
  ],
  "enabled_modules": [
    "cephadm",
```