

► Solution

Managing a Red Hat Ceph Storage Cluster

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

Outcomes

You should be able to locate the Ceph Dashboard URL, set an OSD out and in, watch cluster events, find and start a down OSD, find an object's PG location and state, and view the balancer status.

Before You Begin

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

```
[student@workstation ~]$ lab start cluster-review
```

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

Instructions

1. Log in to `clienta` as the admin user. Verify that the dashboard module is enabled. Find the dashboard URL of the active MGR.

- 1.1. 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 /]#
```

- 1.2. Verify that the dashboard module is enabled.

```
[ceph: root@clienta /]# ceph mgr module ls | more
{
...output omitted...
  "enabled_modules": [
    "cephadm",
    "dashboard",
    "iostat",
    "prometheus",
    "restful"
  ],
...output omitted...
```

- 1.3. Find the dashboard URL of the active MGR.