

► Lab

Configuring a Red Hat Ceph Storage Cluster

In this lab, you query and modify Red Hat Ceph Storage configuration settings.

Outcomes

You should be able to configure cluster settings.

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 configure-review
```

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

Instructions

Configure Ceph cluster settings using both the command line and Ceph Dashboard GUI. View MON settings and configure firewall rules for MON and RGW nodes.

1. Configure your Red Hat Ceph Storage cluster settings. Set `mon_data_avail_warn` to 15 and `mon_max_pg_per_osd` to 400. These changes must persist across cluster restarts.
2. Configure the `mon_data_avail_crit` setting to 10 by using the Ceph Dashboard GUI.
3. Display the MON map and view the cluster quorum status.
4. Configure firewall rules for the MON and RGW nodes on `serverd`.
5. Return to `workstation` as the student user.

Evaluation

Grade your work by running the `lab grade configure-review` command from your workstation machine. Correct any reported failures and rerun the script until successful.

```
[student@workstation ~]$ lab grade configure-review
```

Finish

On the workstation machine, use the `lab` command to complete this exercise. This is important to ensure that resources from previous exercises do not impact upcoming exercises.

```
[student@workstation ~]$ lab finish configure-review
```

This concludes the lab.