▶ Lab

Deploying Red Hat Ceph Storage

In this review, you deploy a Red Hat Ceph Storage cluster using a service specification file.

Outcomes

You should be able to deploy a Red Hat Ceph Storage cluster using a service specification file.

Before You Begin

If you did not reset your classroom virtual machines at the end of the last chapter, save any work you want to keep from earlier exercises on those machines and reset the classroom environment now.

> **Important**
>
> Reset your environment before performing this exercise. All comprehensive review labs start with a clean, initial classroom environment that includes a pre-built, fully operational Ceph cluster. This first comprehensive review will remove that cluster, but still requires the rest of the clean classroom environment.

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

```
[student@workstation ~]$ lab start comprehensive-review1
```

This command confirms that the local container registry for the classroom is running and deletes the prebuilt Ceph cluster so it can be redeployed with the steps in this exercise.

> **Important**
>
> This lab start script immediately deletes the prebuilt Ceph cluster and takes a few minutes to complete. Wait for the command to finish before continuing.

Specifications

- Deploy a four node Red Hat Ceph Storage cluster using a service specification file with these parameters:

  - Use the registry at `registry.lab.example.com` with the username `registry` and the password `redhat`.

  - Deploy MONs on the `clienta`, `serverc`, `serverd`, and `servere` nodes.