▶ Solution

Configuring Red Hat Ceph Storage

In this review, you configure a Red Hat Ceph Storage cluster using specified requirements.

Outcomes

You should be able to configure cluster settings and components, such as pools, users, OSDs, and the CRUSH map.

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. All remaining comprehensive reviews use the default Ceph cluster provided in the initial classroom environment.

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

This script ensures that all cluster hosts are reachable.

```
[student@workstation ~]$ lab start comprehensive-review2
```

1. Set the value of `osd_pool_default_pg_num` to 250 in the configuration database.

    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. Set the value of `osd_pool_default_pg_num` to 250 in the configuration database.

```
[ceph: root@clienta /]# ceph config set mon osd_pool_default_pg_num 250
```

    1.3. Verify the setting.