Solution

Deploying and Configuring RADOS Gateway

In this review, you will deploy and configure RADOS Gateways using specified requirements.

Outcomes

You should be able to:

- Deploy RADOS Gateway services.
- Configure multisite replication.
- Create and manage users to access the RADOS Gateway.
- Create buckets and store objects by using the Amazon S3 and Swift APIs.

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.

```
[student@workstation ~]$ lab start comprehensive-review5
```

This command ensures that all cluster hosts are reachable. It also installs the AWS and Swift clients on the `serverc` and `serverf` nodes.

The primary Ceph cluster contains the `serverc`, `serverd`, and `servere` nodes. The secondary Ceph cluster contains the `serverf` node.

1. Log in to `serverc` as the `admin` user. Create a realm called `cl260`, a zonegroup called `classroom`, a zone called `main`, and a system user called `Replication User`. Use the UID of `repl.user`, access key of `replication`, and secret key of `secret` for the user. Set the zone endpoint as `http://serverc:80`.

   1.1. Log in to `serverc` as the `admin` user and use `sudo` to run the `cephadm` shell.