

► Lab

Providing Object Storage Using a RADOS Gateway

In this lab, you will configure Ceph to provide object storage to clients.

Outcomes

You should be able to deploy and configure the Ceph RADOS Storage service.

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 object-review
```

This command ensures that the lab environment is created and ready for the lab exercise.

Instructions

1. Log in to `serverc` as the `admin` user. Create a realm called `prod` and set it as the default. Create a master zone group called `us-west` with the endpoint set to `http://serverc:8080`. Set the zone group as the default.
2. Create a master zone called `us-west-1` and set the endpoint to `http://serverc:8080`. Set the zone as the default. Use `admin` as the access key and `secure` as the secret key.
3. Create a system user called `admin.user` with `admin` as the access key and `secure` as the secret key.
4. Commit the configuration. Save the period ID value in the `/home/admin/period-id.txt` file on the `serverc` node. Do not include quotes, double quotes, or characters other than the period ID in UUID format.
5. Deploy a RADOS Gateway service called `prod-object` with two instances running on port 8080, one on the `serverc` node and the second on the `servere` node.
6. Return to `workstation` as the `student` user.

Evaluation

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

```
[student@workstation ~]$ lab grade object-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.