Guided Exercise

Configuring a Multisite Object Storage Deployment

In this exercise, you will configure the RADOS Gateway with multisite support and verify the configuration.

Outcomes

You should be able to deploy a Ceph RADOS Gateway and configure multisite replication by using `serverc` in the primary cluster as site `us-east-1` and `serverf` as site `us-east-2`.

Before You Begin

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

```
[student@workstation ~]$ lab start object-multisite
```

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

Instructions

1. Open two terminals and log in to both `serverc` and `serverf` as the `admin` user. Verify that both clusters are reachable and have a `HEALTH_OK` status.

    1.1. Open a terminal window. Log in to `serverc` as the `admin` user and use `sudo` to run the `cephadm` shell. Verify that the primary cluster is in a healthy state.

```
[student@workstation ~]$ ssh admin@serverc
...output omitted...
[admin@serverc ~]$ sudo cephadm shell
[ceph: root@serverc /]# ceph health
HEALTH_OK
```

    1.2. Open another terminal window. Log in to `serverf` as the `admin` user and use `sudo` to run the `cephadm` shell. Verify that the secondary cluster is in a healthy state.

```
[student@workstation ~]$ ssh admin@serverf
...output omitted...
[admin@serverf ~]$ sudo cephadm shell
[ceph: root@serverf /]# ceph health
HEALTH_OK
```

2. On the `serverc` node, configure the `us-east-1` site. Create a realm, zone group, zone, and a replication user. Set the realm and zone as defaults for the site. Commit the configuration and review the period id. Use the names provided in the table: