

## ► Guided Exercise

# Providing Object Storage Using the Swift API

In this exercise, you will configure the RADOS Gateway and access the gateway using the Swift API.

## Outcomes

You should be able to configure the Ceph Object Gateway to allow access to Ceph object storage via the Swift API.

## 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 api-swift
```

This command confirms that the hosts required for this exercise are accessible. It installs the `awscli` package on `clienta` and creates the `operator` user and the `testbucket` bucket.

## Instructions

- 1. Log in to `clienta` as the `admin` user.

```
[student@workstation ~]$ ssh admin@clienta
[admin@clienta ~]$
```

- 2. Create a Swift subuser called `operator:swift` on the Ceph Object Gateway for accessing object storage using the Swift API.

You are creating a new subuser attached to the `operator` user that was created by the `lab start` command. The `operator` user can currently access Ceph object storage using the S3 API. With this additional configuration, the `operator` user can create objects and buckets using the S3 API, and then use the Swift API to manage the same objects.

Use `opswift` as the Swift secret key. Assign full permissions to the user.

```
[admin@clienta ~]$ sudo cephadm shell -- radosgw-admin subuser create \
--uid="operator" --subuse r="operator:swift" --access="full" --secret="opswift"
{
  "user_id": "operator",
  "display_name": "S3 Operator",
  "email": "operator@example.com",
  "suspended": 0,
  "max_buckets": 1000,
  "subusers": [
    {
      "id": "operator:swift",
```