▶ **Guided Exercise**

Configuring RBD Mirrors

In this exercise you will configure pool-mode and image-mode RBD mirroring between two Ceph clusters.

Outcomes
You should be able to:

· Configure one-way, pool-mode RBD mirroring between two clusters.
· Verify the status of the mirroring process between two clusters.

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 mirror-mirrors
```

This command confirms that the hosts required for this exercise are accessible. Your Ceph clusters and configuration will not be modified by this `lab start` command.

Instructions

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

    1.1. Open a terminal window and log in to `clienta`, as the `admin` user and switch to the `root` user. Run a `cephadm` shell. Verify the health of your production cluster.

```
[student@workstation ~]$ ssh admin@clienta
...output omitted...
[admin@clienta ~]$ sudo -i
[root@clienta ~]# cephadm shell
[ceph: root@clienta /]# ceph status
...output omitted...
  cluster:
    id:     ff97a876-1fd2-11ec-8258-52540000fa0c
    health: HEALTH_OK

  services:
    mon: 4 daemons, quorum serverc.lab.example.com,servere,serverd,clienta (age
15m)
    mgr: serverc.lab.example.com.btgxor(active, since 15m), standbys:
servere.fmyxwv, clienta.soxncl, serverd.ufqxxk
    osd: 9 osds: 9 up (since 15m), 9 in (since 47h)
    rgw: 2 daemons active (2 hosts, 1 zones)

  data:
```