

► Guided Exercise

Creating and Configuring Pools

In this exercise, you will create and configure replicated and erasure coded storage pools.

Outcomes

You should be able to create, delete, and rename pools as well as view and configure pool settings.

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 component-pool
```

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

Instructions

- 1. Log in to `clienta` as the `admin` user and use `sudo` to run the `cephadm` shell.

```
[student@workstation ~]$ ssh admin@clienta
[admin@clienta ~]$ sudo cephadm shell
[ceph: root@clienta /]#
```

- 2. Create a replicated pool called `replpool1` with 64 Placement Groups (PGs).

```
[ceph: root@clienta /]# ceph osd pool create replpool1 64 64
pool 'replpool1' created
```

- 3. Verify that PG autoscaling is enabled for the `replpool1` pool and that it is the default for new pools.

```
[ceph: root@clienta /]# ceph osd pool get replpool1 pg_autoscale_mode
pg_autoscale_mode: on
[ceph: root@clienta /]# ceph config get mon osd_pool_default_pg_autoscale_mode
on
```

- 4. List the pools, verify the existence of the `replpool` pool, and view the autoscale status for the pools.

4.1. List the pools and verify the existence of the `replpool` pool.