▶ Guided Exercise

Managing Ceph Authentication

In this exercise, you will configure user authentication by setting up users for an application that stores and retrieves documents as RADOS objects.

Outcomes

You should be able to configure user authentication and capabilities to store and retrieve objects in the cluster.

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-auth
```

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

Instructions

▶ 1. Log in to `clienta` as the `admin` user and switch to the `root` user.

```
[student@workstation ~]$ ssh admin@clienta
[admin@clienta ~]$ sudo -i
[root@clienta ~]$
```

▶ 2. Configure two users for an application with the following capabilites. The first user, `client.docedit`, stores and retrieves documents in the `docs` namespace of the `replpool1` pool. The second user, `client.docget`, only retrieves documents from the `replpool1` pool.

> **Note**
>
> The `tee` command saves the output of the command, instead of using the `-o` option. This technique is used because the `cephadm` container does not retain standard output files after the command exits.

2.1. Use the `cephadm` shell to create the `client.docedit` user with read and write capabilities in the `docs` namespace within the `replpool1` pool. Save the associated key-ring file by using the appropriate directory and file name: `/etc/ceph/ceph.client.docedit.keyring`

```
[root@clienta ~]$ cephadm shell -- ceph auth get-or-create client.docedit \
 mon 'allow r' osd 'al low rw pool=replpool1 namespace=docs' | sudo tee \
 /etc/ceph/ceph.client.docedit.keyring
```