Chapter 4

Creating Object Storage Cluster Components

Goal	Create and manage the components that comprise the object storage cluster, including OSDs, pools, and the cluster authorization method.
Objectives	• Describe OSD configuration scenarios and create BlueStore OSDs using ceph-volume. • Describe and compare replicated and erasure coded pools, and create and configure each pool type. • Describe Cephx and configure user authentication and authorization for Ceph clients.
Sections	• Creating BlueStore OSDs Using Logical Volumes (and Guided Exercise) • Creating and Configuring Pools (and Guided Exercise) • Managing Ceph Authentication (and Guided Exercise)
Lab	Creating Object Storage Cluster Components