

Comprehensive Review

Objectives

After completing this section, you should be able to demonstrate knowledge and skills learned in *Cloud Storage with Red Hat Ceph Storage*.

Reviewing Cloud Storage with Red Hat Ceph Storage

Before beginning the comprehensive review for this course, you should be comfortable with the topics covered in each chapter.

Do not hesitate to ask the instructor for extra guidance or clarification on these topics.

Chapter 1, Introducing Red Hat Ceph Storage Architecture

Describe Red Hat Ceph Storage architecture, including data organization, distribution, and client access methods.

- Describe the personas in the cloud storage ecosystem that characterize the use cases and tasks taught in this course.
- Describe the Red Hat Ceph Storage architecture, introduce the Object Storage Cluster, and describe the choices in data access methods.
- Describe and compare the use cases for the various management interfaces provided for Red Hat Ceph Storage.

Chapter 2, Deploying Red Hat Ceph Storage

Deploy a new Red Hat Ceph Storage cluster and expand the cluster capacity.

- Prepare for and perform a Red Hat Ceph Storage cluster deployment using `cephadm` command-line tools.
- Expand capacity to meet application storage requirements by adding OSDs to an existing cluster.

Chapter 3, Configuring a Red Hat Ceph Storage Cluster

Manage the Red Hat Ceph Storage configuration, including the primary settings, the use of monitors, and the cluster network layout.

- Identify and configure the primary settings for the overall Red Hat Ceph Storage cluster.
- Describe the purpose of cluster monitors and the quorum procedures, query the monitor map, manage the configuration database, and describe Cephx.
- Describe the purpose for each of the cluster networks, and view and modify the network configuration.