

Describing Storage Personas

Objectives

After completing this section, you should be able to describe the personas in the cloud storage ecosystem that characterize the use cases and tasks taught in this course.

Introducing Cloud Storage Personas

Personas are user definitions that are created to represent user types in cloud storage environments. Personas help you to understand user scenarios and goals by researching trends and use cases with Red Hat Ceph Storage organizations. Red Hat uses personas to focus training on relevant user tasks and behavior, not on features and tools.

Information from real Red Hat Ceph Storage users builds the various personas. Personas might describe multiple job titles, and your organization's job titles might map to multiple personas. The personas that are presented here embody the most common roles of Red Hat Ceph Storage users. Roles might change depending on your organization's size and user ecosystem. This course uses the *storage administrator* persona to define Red Hat Ceph Storage operations and use cases.

Cloud Storage Personas in This Course

This course focuses primarily on the roles and responsibilities of the storage administrator persona and introduces the storage operator persona. The storage administrator also supports and communicates with other cloud personas to implement cloud storage.

The Storage Administrator as the Primary Persona

The primary persona for this course is the storage administrator. A Ceph storage administrator performs the following tasks:

- Installs, configures, and maintains a Ceph storage cluster.
- Educates infrastructure architects about Ceph capabilities and features.
- Informs users about Ceph data presentation and methods, as choices for their data applications.
- Provides resilience and recovery, such as replication, backup, and disaster recovery methods.
- Automates and integrates through Infrastructure as Code.
- Provides access for data analytics and advanced mass data mining.

This course includes material to cover Ceph storage cluster deployment and configuration, and incorporates automation techniques whenever appropriate.

The Storage Operator as the Secondary Persona

A storage operator assists in the daily operations of the storage cluster, and is commonly less experienced than a storage administrator. Storage operators primarily use the Ceph Dashboard GUI to view and respond to cluster alerts and statistics. They also perform routine storage administration tasks that are defined as Dashboard workflows, such as replacing a failed storage device.