

Other Storage-related Personas

Other personas that use Ceph directly include *application developers*, *project managers*, and *service administrators* with data processing, data warehouse, big data, and similar application needs. The storage administrator frequently communicates with these personas. Defining these relationships helps to illustrate the context for the storage administrator's duties, and clarifies the task limits or boundaries of the storage administrator's scope.

Cloud Operator

A cloud operator administers cloud resources at their organization, such as OpenStack or OpenShift infrastructures. The storage administrator works closely with a cloud operator to maintain the Ceph cluster that is configured to provide storage for those platforms

Automation Engineer

Automation engineers frequently use Ceph directly. An automation engineer is responsible for creating playbooks for commonly repeated tasks. All user interface and end-user discussions in this course are examples of actions that might be automated. Storage administrators would be familiar with these same actions because they are typically the foremost Ceph subject matter experts.

Application Developer (DevOps Developer)

An application developer can be an original coder, maintainer, or other cloud user who is responsible for the correct deployment and behavior of an application. A storage administrator coordinates with the application developer to ensure that storage resources are available, sets quotas, and secures the application storage.

Service Administrator

Service administrators manage end-user services (as distinct from operating system services). Service administrators have a similar role to project managers, but for an existing production service offering.

Deployment Engineer (DevOps Engineer)

In larger environments, dedicated personnel perform, manage, and tune application deployments, working with the storage administrator and the application developer.

Application Architect

A storage administrator relies on the application architect as a subject matter expert who can correlate between Ceph infrastructure layout and resource availability, scaling, and latency. This architecture expertise helps the storage administrator to design complex application deployments effectively. To support the cloud users and their applications, a storage administrator must comprehend those same aspects of resource availability, scaling, and latency.

Infrastructure Architect

A storage administrator must master the storage cluster's architectural layout to manage resource location, capacity, and latency. The infrastructure architect for the Ceph cluster deployment and maintenance is a primary source of information for the storage administrator. The infrastructure architect might be a cloud service provider employee or a vendor solutions architect or consultant.

Data Center Operator

Personas at the lower Ceph storage infrastructure layer support data provisioning. Data center operators are typically employed by the public cloud service provider or the organization's internal IT group in a private data center cloud. The storage administrator opens service tickets with the relevant public cloud service provider or internal IT group.