

## Red Hat Ceph Storage for OpenStack

Duración: 4 Días Código del Curso: CL260 Método de Impartición: Curso Cerrado (In-Company)

### Temario:

#### Build, expand and maintain cloud-scale, clustered storage for your applications with Red Hat Ceph Storage

Cloud Storage with Red Hat Ceph Storage (CL260) is designed for storage administrators and cloud operators who deploy Red Hat Ceph Storage in a production data center environment or as a component of a Red Hat OpenStack Platform or OpenShift Container Platform infrastructure.

Reliable and performant data storage is a critical component for enterprise application and infrastructure solutions. Software-defined storage offers organizations the flexibility to grow their data storage requirements while enabling applications to operate at cloud-scale.

Red Hat Ceph Storage leverages commodity hardware to create distributed and scalable storage volumes that are both fault-tolerant and provide access via object, block, and file data levels. Successful planning, deployment and operation of a storage cluster can be achieved through completion of Cloud Storage with Red Hat Ceph Storage course.

Learn how to deploy, manage, and scale a Ceph storage cluster to provide hybrid storage resources, including Amazon S3 and OpenStack Swift-compatible object storage, Ceph-native and iSCSI-based block storage, and shared file storage.

This course is based on Red Hat Ceph Storage 5.0.

**Note :** Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.

When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.

Your RHLS subscription includes:

- One live, instructor-led virtual session
- 12 months of self-paced learning access
- One certification exam with a free retake

Onsite Classroom-based sessions and closed course options remain unchanged.

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### Curso Cerrado (In-Company)

Debido a que nuestra formación es modular, nuestros responsables de formación e instructores pueden trabajar con usted y su equipo para detectar las necesidades formativas y adaptar un temario de forma rápida y rentable. Durante una formación cerrada, usted recibirá una formación de expertos en un currículum adaptado a sus necesidades.

### Dirigido a:

This course is intended for storage administrators and cloud operators who want to learn how to deploy and manage Red Hat Ceph Storage for use by servers in an enterprise data center or within a Red Hat OpenStack Platform environment. Developers writing applications who use cloud-based storage will learn the distinctions of various storage types and client access methods.

### Objetivos:

- After this course participants should be able to:
- Deploy and manage a Red Hat Ceph Storage cluster on commodity servers.
- Perform common management operations using the web-based management interface.
- Create, expand, and control access to storage pools provided by the Ceph cluster.
- Access Red Hat Ceph Storage from clients using object, block, and file-based methods.
- Analyze and tune Red Hat Ceph Storage performance.
- Integrate Red Hat OpenStack Platform image, object, block, and file storage with a Red Hat Ceph Storage cluster.
- Integrate OpenShift Container Platform with a Red Hat Ceph Storage cluster.

### Prerrequisitos:

- Red Hat Certified System Administrator (RHCSA) certification, or equivalent experience.
- Some experience with storage administration is recommended but

### Exámenes y certificación

- Red Hat Certified Specialist in Cloud Storage With Red Hat Ceph Storage exam (EX260)

not required.

For candidates that have not earned an RHCSA or equivalent, confirmation of the correct skill set knowledge can be obtained by taking the Red Hat free online skills assessment [Red Hat Skills Assessment](#)

## Siguientes cursos recomendados:

None

- EX260 - Red Hat Certified Specialist in Ceph Cloud Storage exam
- CL310 - Red Hat OpenStack Administration III: Distributed Architecture and Scaling For Edge Computing

## Contenido:

|   |  |  |
|---|--|--|
| Introducing Red Hat Ceph Storage Architecture   | Creating and Customizing Storage Maps  | Managing a Red Hat Ceph Storage Cluster  |
| Describe Red Hat Ceph Storage architecture, including data organization, distribution and client access methods.                        | Manage and adjust the CRUSH and OSD maps to optimize data placement to meet the performance and redundancy requirements of cloud applications. | Manage an operational Ceph cluster using tools to check status, monitor services, and properly start and stop all or part of the cluster. Perform cluster maintenance by replacing or repairing cluster components, including MONs, OSDs, and PGs. |
| Deploying Red Hat Ceph Storage  | Providing Block Storage Using RADOS Block Devices  | Tuning and Troubleshooting Red Hat Ceph Storage  |
| Deploy a new Red Hat Ceph Storage cluster and expand the cluster capacity.  | Configure Red Hat Ceph Storage to provide block storage for clients by using RADOS block devices (RBDs).                                       | Identify the key Ceph cluster performance metrics and use them to tune and troubleshoot Ceph operations for optimal performance.   |
| Configuring a Red Hat Ceph Storage Cluster  | Providing Object Storage Using a RADOS Gateway   | Managing Cloud Platforms with Red Hat Ceph Storage   |
| Manage the Red Hat Ceph Storage configuration, including the primary settings, the use of monitors, and the cluster network layout.     | Configure Red Hat Ceph Storage to provide object storage for clients by using a RADOS Gateway (RGW).   | Manage Red Hat cloud infrastructure to use Red Hat Ceph Storage to provide image, block, volume, object, and shared file storage.  |
| Creating Object Storage Cluster Components  | Providing File Storage Using CephFS  | Comprehensive review   |
| Create and manage the components that comprise the object storage cluster, including OSDs, pools, and the cluster authorization method. | Configure Red Hat Ceph Storage to provide file storage for clients using the Ceph File System (CephFS).  | Review tasks from Cloud Storage with Red Hat Ceph Storage.   |

## Información Adicional:

.Official course book provided to participants.

## Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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