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Red Hat Ceph Storage for OpenStack Technologies

In association with : redhat.

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Asian Training & Leadership Award, Dubai

Top 10 IoT Training Companies for the Second consecutive year. 2017 IoT India MAGAZINE

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Red Hat Ceph Storage for OpenStack Technologies

Duration: 4 days

Prerequisites for this course

- Be certified as a Red Hat Certified System Administrator (RHCSA), or demonstrate equivalent experience
- Some experience with storage administration is recommended, but not required

Outline for this course

Prepare for Red Hat Ceph Storage

Identify challenges faced by traditional storage and explain how Ceph addresses them.

Deploy Red Hat Ceph Storage

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

Configure Red Hat Ceph Storage

Manage how Ceph stores data with pools, configure Red Hat Ceph Storage using its configuration file, and configure users for Ceph clients that may access the Ceph storage cluster.

Provide block storage with RBD

Configure Ceph to provide block storage for clients by using RADOS block devices (RBDs).

Provide object storage with RADOSGW

Configure Ceph to provide object storage for clients by using a RADOS gateway (RADOSGW or RGW).

Provide file storage with CephFS

Configure Ceph to provide file storage for clients using the Ceph Filesystem (CephFS).

Configure the CRUSH map

Adjust the CRUSH map—which controls how data is stored, replicated, and distributed across OSDs in the Ceph cluster—in order to optimize resiliency and performance.

Manage and update the cluster maps

Explain how the monitor and OSD maps are managed in order to maintain cluster operation, quorum, and consistency.

Manage a Red Hat Ceph Storage cluster

Check Ceph cluster status, troubleshoot Ceph daemon problems, and upgrade Ceph software.

Tune and troubleshoot Red Hat Ceph Storage

Identify the key performance metrics for a Ceph cluster and use them to help tune and troubleshoot the operating system and Ceph software for optimal performance.

Integrate Red Hat Ceph Storage with OpenStack

Configure an OpenStack cloud to use Ceph to provide image, block, object, and file storage.

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Thank You