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Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Intermediate

Course Duration: 4 Days

Red Hat Storage Server Administration (RH236VT)

About this course:

Deploy scalable, highly available storage on off-the-shelf hardware and in cloud environments

This course is for senior system and storage administrators who are interested in

deploying scalable, highly available storage on off-the-shelf hardware and in cloud environments.

This course is based on Red Hat Gluster Storage 3.

Students will learn how to install, configure, and maintain a cluster of Red Hat Storage servers. The course will also explore highly available common Internet file systems (CIFS) and network file systems (NFS) using Clustered Trivial DataBase (CTDB), unified file and object storage, and geo-replication. Finally, students will learn about the Hadoop plugin for Red Hat Storage, snapshots, and geo-replication.

This course can help you prepare for the Red Hat Certified Specialist in Gluster Storage Administration exam (EX236).

Course Objective:

- Install and configure Red Hat Storage Server
- Create and manage different volume types
- Learn about IP failover for NFS and SMB
- Explore georeplication
- Configure network encryption
- Manage tiering

Audience:

- Linux system administrators and storage administrators interested in, or responsible for, maintaining large storage clusters using Red Hat Storage

Prerequisite:

- Red Hat Certified System Administrator (RHCSA) certification or an equivalent level of knowledge is highly recommended
- For candidates who have not earned their RHCSA, confirmation of the needed skills can be obtained by passing the online skills assessment.

Course Outline:

Introduction to Red Hat Storage

Understand Red Hat Storage server features and terminology.

Install Red Hat Gluster Storage

Install Red Hat Gluster Storage.

Configure Red Hat Gluster Storage

Build and configure a Red Hat Gluster Storage volume.

Create Volumes

Create different volume types.

Configure Clients

Access data on Red Hat GLuster storage volumes with various clients.

Configure ACLs and Quotas

Implement POSIX ACLs and quotas.

Extend Volumes

Grow storage volumes online.

Configure IP Failover

Configure IP failover.

Configure Georeplication

Configure georeplication for disaster recovery.

Troubleshooting

Perform basic troubleshooting tasks.

Manage Snapshots

Manage volume snapshots.

Install Red Hat Gluster Storage Console

Install Red Hat Gluster Storage Console.

Manage Tiering

Manage storage tiering for a volume.

Monitor Red Hat Gluster Storage

Monitor Red Hat Gluster Storage performance.

Configure Network Encryption

Configure Network Encryption for Red Hat Gluster Storage.

Comprehensive review

Practice and demonstrate knowledge and skills learned in Red Hat Gluster Storage Administration.