Red Hat Enterprise Storage Management

Duration: 4 Days   Course Code: RH436

Overview:

Red Hat® Enterprise Clustering and Storage Management (RH436) provides intensive, hands-on experience with storage management, Red Hat Cluster Suite, and the shared storage technology delivered by Red Hat Global File System (GFS). Created for Senior Linux® system administrators, this 4-day course has a strong emphasis on lab-based activities. At the end of the course, students will have learned to deploy and manage shared storage and server clusters that provide highly available network services to a mission-critical enterprise environment.

Target Audience:

Experienced Linux system administrators responsible for managing shared storage across one or more Linux systems and Experienced Linux system administrators responsible for maintaining a high availability service using cluster technology.

Objectives:

- Review of Red Hat enterprise clustering and storage management technologies

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- Linux dynamic device management

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- iSCSI

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- Advanced software RAID

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- Device mapper and multipathing

Prerequisites:

- RHCE certification or equivalent experience

Testing and Certification

- Red Hat Enterprise Clustering and Storage Management Expertise Exam(EX436) Hands-on, performance-based, 4-hour exam.
- This course prepares you for these credentials:
- Red Hat Certified Architect — RHCA
- Red Hat Certified Security Specialist — RHCDS
- Certificates of Expertise

Follow-on-Courses:
- RH401, Red Hat Enterprise Deployment and Systems Management
- RHS333, Red Hat Enterprise Security Network Services
- RH442, Red Hat Enterprise Performance Tuning

Content:

1.Review Red Hat® enterprise clustering and storage management technologies

2.Storage Technologies

- Storage Requirements

- NAS vs SAN
- Configuring an iSCSI initiator
- Configuring an iSCSI target
- Authentication
- udev Rule Configuration
- I/O Scheduler
- Multipath device configuration
- Cluster configuration tools
- Setting up Clustered Logical Volumes
- Lock management
- Planning for and growing on-line GFS
- Monitoring tools
- Journal configuration and management
- Cluster tools
- Failover domains
- Hierarchical resource ordering
- High availability services

3.iSCSI

- iSCSI as a shared storage device

- NAS vs SAN
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5.Device mapper and multipathing

- Mapping targets

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6.Red Hat Cluster suite overview

- Design and elements of clustering

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7.Logical Volume Management

- LVM Review

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9.Quorum and the cluster manager

- Intracluster communication

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10.Fencing and failover

- Fencing components

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4.Kernel Device Management

- udev Features

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8.Global File System (GFS) 2 (MOVED UP)

- Implementation and configuration

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11.Quorum disk

- Heuristic configuration

12.Resource Group Manager (rgmanager)

- Resource groups and recovery

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Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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