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The Art of Knowledge.

# RH436 Red Hat Enterprise Storage Management With Exam

Course Length
5 Days
TE1508_20100601

**Course Description:** Red Hat Enterprise Storage Management provides intensive hands-on experience with the emerging Shared Storage technology delivered by Red Hat Global File System™ (GFS). This 4-day course focuses on the implementation of native Red Hat Enterprise Linux technologies included in Cluster Suite and GFS. An exam is administered on the final day of class.

**Who Should Attend:** RH436 is aimed at senior Red Hat Enterprise Linux system administrators and other IT professionals working in enterprise environments and mission-critical systems.

**Prerequisites:** Participants in RH436 should already be familiar with Red Hat Enterprise Linux. Recommended minimum competency level is completion of the RHCE or equivalent knowledge.

**Benefits of Attendance:** Upon completion of this course, students will be able to:

- Deploy and manage highly available storage data to the mission-critical enterprise computing environment.

## Course Outline:

### Review Red Hat Enterprise Clustering and Storage Management Technologies

### Linux Dynamic Device Management
udev Features
udev Rule Configuration

### iSCSI
iSCSI as a Shared Storage Device
Configuring an iSCSI initiator
Configuring an iSCSI target
Authentication

### Advanced Software RAID
Types and Differences
Monitoring
Optimization Techniques
Growth and High Availability

### Device Mapper and Multipathing
Mapping Targets
LVM2 Snapshots
Multipath Device Configuration

### Cluster Technology
Common Cluster Hardware
Shared Storage Alternatives

### Cluster Suite Overview
Design and Elements of Clustering
Cluster Configuration Tools
Clustered Logical Volumes and Lock Management

### Quorum and the Cluster Manager
Intracluster Communication
Cluster Tools

### Fencing and Failover
Fencing Components
Failover Domains

### Quorum Disk
Heuristic Configuration

### Service Manager
Resource Groups and Recovery
Hierarchical Resource Ordering
High Availability Services

### Global File System (GFS)
Implementation and Configuration
Lock Management
Planning For and Growing On-line GFS
Monitoring Tools
Journal Configuration and Management