



## Red Hat Enterprise Clustering and Storage Management (RH436)

**Duration:** 4 days

### Course Description

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.

### Course topics:

**Review Red Hat Enterprise clustering and storage management technologies**

#### **Storage Technologies**

- Storage Requirements
- NAS vs SAN

#### **iSCSI**

- iSCSI as a shared storage device
- Configuring an iSCSI initiator
- Configuring an iSCSI target
- Authentication



## Kernel Device Management

- udev Features
- udev Rule Configuration
- I/O Scheduler

## Device mapper and multipathing

- Mapping targets
- Multipath device configuration

## Red Hat Cluster suite overview

- Design and elements of clustering
- Cluster configuration tools

## Logical Volume Management

- LVM Review
- Setting up Clustered Logical Volumes

## Global File System (GFS) 2

- Implementation and configuration
- Lock management
- Planning for and growing on-line GFS
- Monitoring tools
- Journal configuration and management

## Quorum and the cluster manager

- Intracluster communication
- Cluster tools

## Fencing and failover

- Fencing components
- Failover domains



## Quorum disk

- Heuristic configuration

## Resource Group Manager (rgmanager)

- Resource groups and recovery
- Hierarchical resource ordering
- High availability services