



Red Hat - Red Hat High Availability Clustering

Code: RH436R
URL: [View Online](#)

The intensive, hands-on Red Hat® High Availability Clustering (RH436) course teaches storage management, the Red Hat High Availability Add-On, and the shared storage technology delivered by Red Hat Global File System 2 (GFS2) and Red Hat Gluster Storage. Created for senior Linux® system administrators, this 4-day course strongly emphasizes lab-based activities. You'll learn how to deploy and manage shared storage and server clusters that provide highly available network services to a mission-critical enterprise environment.

Skills Gained

RH436 is designed to train people with RHCE level competency on skills required to deploy and manage highly available storage data to the mission-critical enterprise computing environment. Complementing skills gained in RH401, this course delivers extensive hands-on training with storage management, Red Hat Cluster Suite, and the shared file system, GFS.

Who Can Benefit

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.

Course Details

Prepares for:

- EX436 Red Hat Enterprise Clustering and Storage Management Expertise Exam
- Save when you bundle your courses

Linux Dynamic Device Management

- udev Features
- udev Rule Configuration

iSCSI

- iSCSI as a Shared Storage Device
- Configuring an iSCSI initiator
- 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

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