

# 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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