

**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 Linux Storage Management Technologies

#### Data Storage Design: Data Sharing

Analyze Storage Dynamics  
SNIA Shared Storage Model(SSM)  
Volume Management + File System Management = Data Management

#### Cluster Suite Overview

Define Cluster Suite Implementation in the SSM  
Explain Cluster Suite Configuration  
Implement Cluster Suite; HA NFS

#### Global File System(GFS) Overview

Define GFS Implementation in the SSM  
Explain GFS Configuration  
Explain Pools and Distributed Storage  
Introduce Fencing  
Explain Fencing Procedures  
Implement Fencing Methods

#### Describe GFS Management

Describe GFS journals  
Explain GFS Modification  
Single/Redundant GFS Lockmanagers(SLM/RLM)  
Increasing Data Storage Capacity

#### Modify The On-line GFS Environment: Managing Data Capacity

#### Monitor GFS

#### Implement GFS Modifications

#### Migrating Cluster Suite NFS From DAS To GFS

#### Re-visit Cluster Suite Using GFS