

**Module Title : RH236 - Red Hat Cluster Storage Administration**

**Duration : 3 days**

## Overview

Students will learn how to install, configure, and maintain a cluster of [Red Hat Storage](#) servers. The course will also explore highly available common Internet file systems (CIFS) and network file systems (NFS) using Clustered Trivial DataBase (CTDB), unified file and object storage, and geo-replication. Finally, students will learn about the Hadoop plugin for Red Hat Storage, snapshots, and geo-replication.

This course can help you prepare for the [Red Hat Certified Specialist in Gluster Storage Administration exam \(EX236\)](#).

## Course content summary

- Install and configure Red Hat Storage Server
- Create and manage different volume types
- Learn about IP failover for NFS and SMB
- Explore georeplication
- Configure network encryption
- Manage tiering

## Audience

Linux system administrators and storage administrators interested in, or responsible for, maintaining large storage clusters using Red Hat Storage

## Prerequisites

Red Hat Certified System Administrator (RHCSA) certification or an equivalent level of knowledge is highly recommended

## Outline

### Introduction to Red Hat Storage

Understand [Red Hat Storage](#) server features and terminology.

### Install Red Hat Gluster Storage

Install Red Hat Gluster Storage.

### Configure Red Hat Gluster Storage

Build and configure a Red Hat Gluster Storage volume.

#### **Create Volumes**

Create different volume types.

#### **Configure Clients**

Access data on Red Hat Gluster storage volumes with various clients.

#### **Configure ACLs and Quotas**

Implement POSIX ACLs and quotas.

#### **Extend Volumes**

Grow storage volumes online.

#### **Configure IP Failover**

Configure IP failover.

#### **Configure Georeplication**

Configure georeplication for disaster recovery.

#### **Troubleshooting**

Perform basic troubleshooting tasks.

#### **Manage Snapshots**

Manage volume snapshots.

#### **Install Red Hat Gluster Storage Console**

Install Red Hat Gluster Storage Console.

#### **Manage Tiering**

Manage storage tiering for a volume.

#### **Monitor Red Hat Gluster Storage**

Monitor Red Hat Gluster Storage performance.

#### **Configure Network Encryption**

Configure Network Encryption for Red Hat Gluster Storage.

#### **Comprehensive review**

Practice and demonstrate knowledge and skills learned in Red Hat Gluster Storage Administration.

### **Recommended next exam or course**

#### **Red Hat Certified Specialist in Gluster Storage Administration**

Demonstrate the skills and knowledge needed to implement flexible storage solutions for on-premise and hybrid cloud using Red Hat Storage Server.