

Red Hat High Availability Clustering With Exam

Duration: 5 Days **Course Code: RH437**

Overview:

Deploy reliable, available critical production services in a high availability cluster

In the Red Hat High Availability Clustering (RH436) course, you will learn how to provide highly available network services to a mission-critical enterprise environment through the deployment and management of shared storage and server clusters. Created for senior Linux system administrators, this 4-day course strongly emphasizes lab-based activities.

You will set up a cluster of systems running the Pacemaker component of the Red Hat Enterprise Linux High-Availability Add-On, and deploy Linux-based services such as web servers and databases on that cluster. Cluster storage components from the Resilient Storage Add-On are also covered; installations and applications that require multiple cluster nodes can access the same storage simultaneously. This includes Logical Volume Manager (LVM) Shared Volume Groups, Red Hat Global File System 2 (GFS2), and Device-Mapper Multipath.

This package (course + exam) is based on Red Hat Enterprise Linux 8.3 and includes an exam voucher

Note: *Starting January 2026 this bundle (Course + Exam) only exists in CR (classroom) if scheduled or Closed course modalities.*

If you are targeting a virtual class, please consider RH436LS the new RHLS-course subscription which includes as well an exam voucher
Updated Jan2026

Target Audience:

Senior Linux system administrators who use high-availability clustering and fault-tolerant shared storage technologies to maximize resiliency of production services.

Objectives:

- After this course participants should be able to:
- Install and configure a Pacemaker-based high availability cluster.
- Create and manage highly available services.
- Troubleshoot common cluster issues.
- Work with shared storage (iSCSI) and configure multipathing.
- Implement Logical Volume Manager (LVM) in cluster-aware configurations.
- Configure GFS2 file systems on storage shared by multiple nodes.

Prerequisites:

- RHCE certification or equivalent experience is expected
- Take Red Hat free assessment to gauge whether this offering is the best fit for your skills [Red Hat Skills Assessment](#)

Testing and Certification

- Red Hat Certified Specialist in High Availability Clustering exam (EX436) - exam voucher included

Follow-on-Courses:

- Red Hat Services Management and Automation (RH358)
- Red Hat Enterprise Performance Tuning (RH442)
- RH442 - Red Hat Performance Tuning: Linux in Physical, Virtual, and Cloud

Content:

Creating high availability clusters

- Create a basic high availability cluster.

Managing cluster nodes and quorum

- Manage node membership in the cluster and describe how it impacts cluster operation.

Isolating malfunctioning cluster nodes

- Isolate unresponsive cluster nodes to protect data and recover services and resources after a failure.

Creating and configuring resources

- Create basic resources and resource groups to provide highly available services.

Troubleshooting high availability clusters

- Identify, diagnose, and fix cluster issues.

Automating cluster and resource deployment

- Deploy a new high availability cluster and cluster resources using Ansible automation.

Managing two-node clusters

- Operate two-node clusters while identifying and avoiding issues specific to a two-node cluster configuration.

Accessing iSCSI storage

- Configure iSCSI initiators on your servers to access block-based storage devices provided by network storage arrays or Ceph storage clusters.

Accessing storage devices resiliently

- Configure resilient access to storage devices that have multiple access paths.

Configuring LVM in clusters

- Select, configure, and manage the correct LVM configuration for use in your cluster.

Providing storage with the GFS2 cluster file system

- Use the GFS2 cluster file system to simultaneously provide tightly coupled shared storage that can be accessed by multiple nodes.

Eliminating single points of failure

- Identify and eliminate single points of failure in your cluster to decrease risk and increase average service availability.

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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