# Red Hat High Availability Clustering with (EX436) Exam

## Duration: 5 Days  Course Code: RH437  Delivery Method: Company Event

## 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*

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

## 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)

## 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 0800/84.009

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