



RED HAT TRAINING

Rh437 Red Hat High Availability Clustering Training Exam Course

Master Red Hat High Availability Clustering (RH437) to build resilient, fault-tolerant systems. Learn to deploy and manage highly available solutions.

DURATION

24 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This intensive 24-hour Red Hat High Availability Clustering training (Rh437) is meticulously designed for intermediate-level IT professionals aiming to master the deployment and management of mission-critical services on Red Hat Enterprise Linux. Throughout this course, participants will delve deep into the intricacies of configuring and maintaining high-availability clusters using core Red Hat technologies such as Pacemaker and Corosync. The curriculum emphasizes practical skills necessary to ensure continuous operation, drastically reducing downtime for essential applications and services. Participants will gain hands-on experience in building robust, fault-tolerant systems, learning how to configure cluster resources, implement effective fencing mechanisms, and integrate shared storage solutions like GFS2 and CLVM. The course covers critical aspects of cluster security, monitoring, and troubleshooting, providing a comprehensive understanding of how to prevent single points of failure. This expertise is vital for organizations that cannot afford service interruptions, making this certification a cornerstone for anyone responsible for enterprise-grade infrastructure. Successfully completing the Rh437 course empowers IT professionals to design, implement, and manage highly resilient Linux environments, significantly enhancing their value in any organization. It specifically prepares candidates for the Red Hat Certified Specialist in High Availability Clustering exam, opening doors to advanced roles that demand expert knowledge in system reliability and uptime. By minimizing service disruption and ensuring business continuity, this training directly translates into improved operational efficiency and a stronger competitive edge.

Duration	24 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Introduction to High Availability Clusters

- Defining High Availability and its importance
- Overview of Red Hat High Availability Add-on components
- Cluster architecture and terminology
- Use cases for high-availability solutions

02 Module 2: Cluster Setup and Configuration

- Installing and configuring Corosync and Pacemaker
- Managing cluster nodes and quorum
- Basic cluster shell commands and utilities
- Understanding cluster configuration files

03 Module 3: Managing Cluster Resources

- Defining and configuring cluster resources (IP addresses, services, filesystems)
- Resource groups and constraints
- Monitoring resource status and health
- Advanced resource agent options

04 Module 4: Fencing and Quorum Mechanisms

- Understanding the split-brain problem and fencing
- Configuring STONITH (Shoot The Other Node In The Head) devices
- Quorum device configuration and best practices
- Implementing effective fencing strategies

05 Module 5: Integrating Shared Storage

- Overview of shared storage concepts in HA environments
- Configuring CLVM (Clustered Logical Volume Manager)
- Implementing GFS2 (Global File System 2) for shared storage
- Managing GFS2 filesystems within a cluster

06 Module 6: Cluster Maintenance and Troubleshooting

- Monitoring cluster performance and events
- Troubleshooting common cluster issues
- Performing planned maintenance on cluster nodes
- Backup and recovery strategies for HA clusters

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Linux Systems Engineer (Fault Tolerance Specialist)**
- > **Site Reliability Engineer (SRE) with Red Hat Expertise**
- > **Cloud Infrastructure Architect (Resilient Systems Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What prior Red Hat Enterprise Linux experience or certifications are recommended before enrolling in the Rh437 course?

To gain the most from Rh437, it is highly recommended that participants have significant experience with Red Hat Enterprise Linux administration, equivalent to a Red Hat Certified Engineer (RHCE) level or have completed courses like RH124 and RH134 (or RHCSA equivalent) and ideally RH294. A strong understanding of network configuration, command-line tools, and fundamental system services is crucial, as this course builds upon those foundational skills to focus specifically on advanced clustering technologies.

Q: How does the Rh437 course specifically prepare me for deploying and managing high-availability clusters in complex, real-world enterprise environments?

The Rh437 course is intensely practical, focusing on hands-on labs and scenario-based exercises. You will learn to deploy, configure, and troubleshoot high-availability clusters using Pacemaker and Corosync on Red Hat Enterprise Linux. This includes setting up resource groups, implementing crucial fencing mechanisms (STONITH), integrating shared storage with CLVM and GFS2, and understanding quorum management. The training simulates real-world challenges, enabling you to build robust, fault-tolerant systems that are essential for business continuity in critical production environments.

Q: Beyond the Red Hat Certified Specialist in High Availability Clustering exam, what practical career skills will I gain that are immediately applicable to advanced IT infrastructure roles?

This course provides highly sought-after practical skills that extend beyond exam preparation. You will develop expertise in designing resilient infrastructure architectures, mitigating single points of failure, and implementing automated failover solutions. Specifically, you'll master the configuration of complex cluster resources, effective use of fencing to prevent data corruption, and the deployment of shared filesystems like GFS2. These capabilities are critical for roles requiring continuous uptime, disaster recovery planning, and the management of scalable, enterprise-grade Linux systems, making

you an invaluable asset in any organization relying on robust IT services.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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