Red Hat High Availability Clustering with Exam (EX436)

Category: Infrastructure & IT Operations | **Vendor:** Red Hat

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Red Hat Certified Specialist in High Availability Clustering
Related Exam:	EX436

Course Overview

Red Hat® High Availability Clustering with exam (RH437) provides intensive, hands-on experience with the Pacemaker component of the Red Hat Enterprise Linux High-Availability Add-On, as well as cluster storage components from the Resilient Storage Add-On, including Cluster Logical Volume Manager (CLVM), Red Hat Global File System 2 (GFS2), and Device-Mapper Multipath.

This course is based on Red Hat Enterprise Linux 7.1 and includes the Red Hat Certified Specialist in High Availability Clustering exam (EX436).

About This Course

Created for senior Linux® system administrators, this 4-day course strongly emphasizes lab-based activities. You'll learn how to deploy and manage shared storage and server clusters that provide highly available network services to a mission-critical enterprise environment.

This course also helps you prepare for the Red Hat Certified Specialist in High Availability Clustering exam (EX436). This version of the course includes the exam.

Content summary

- 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
- Configure GFS2 file systems

Who Should Attend

Senior Linux system administrators responsible for maximizing resiliency though high-availability clustering services and using fault-tolerant shared storage technologies

Prerequisites & Entry Requirements

General Prerequisites:

If you want to take this course without the exam (RH436) and have not earned your RHCE® certification, you can confirm that you have the necessary knowledge by passing the online skills assessment.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Impact on the organization

This course is intended to develop the skills needed to produce highly available, more resilient, mission critical applications, resulting in reduced downtime and easier hardware maintenance.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact on the individual

As a result of attending this course, students should be able to create, manage, and troubleshoot highly available network services and tightly coupled cluster storage for business-critical applications.

Students should be able to demonstrate the following skills:

- Improve application uptime by using high-availability clustering
- Manage storage in a high-availability environment using iSCSI initiators, HA-LVM or CLVM as appropriate, and GFS2 cluster file systems
- Implement strategies to identify single points of failure in high-availability clusters, and eliminate them

Detailed Course Outline

Clusters and storage

Get an overview of storage and cluster technologies.

Create high-availability clusters.

Review and create the architecture of Pacemaker-based high-availability clusters.

Nodes and quorum

Review cluster node membership and how quorum is used to control clusters.

Fencing

Understand fencing and fencing configuration.

Resource groups

Create and configure simple resource groups to provide high-availability services to clients.

Troubleshoot high-availability clusters

Identify and troubleshoot cluster problems.

Complex resource groups

Control complex resource groups by using constraints.

Two-node clusters

Identify and work around two-node clusters issues.

ISCSI initiators

Manage iSCSI initiators for access to shared storage.

Multipath Storage

Configure redundant storage access.

Logical volume manager (LVM) clusters

Manage clustered LVM.

Global File System 2

Create symmetric shared file systems.

Eliminate single points of failure

Eliminate single points of failure to increase service availability.

Comprehensive review

Set up high-availability services and storage.

Certification Path

Red Hat Certified Specialist in High Availability Clustering

Exam: EX436

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Red Hat High Availability Clustering with Exam (EX436)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Red Hat High Availability Clustering with Exam (EX436) course helps prepare you for the Red Hat Certified Specialist in High Availability Clustering certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the EX436 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day Red Hat High Availability Clustering with Exam (EX436) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat High Availability Clustering with Exam (EX436) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat High Availability Clustering with Exam (EX436)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat High Availability Clustering with Exam (EX436). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Red Hat High Availability Clustering with Exam (EX436), Advanced System Administration, RH437

Q: Why choose Nexus Human for Red Hat High Availability Clustering with Exam (EX436)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat High Availability Clustering with Exam (EX436) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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