

# RED HAT CERTIFIED SPECIALIST IN HIGH AVAILABILITY CLUSTERING EXAM (EX436)

Course Code: 1291

Implement high-availability services on Red Hat Enterprise Linux using the Red Hat Enterprise Linux High Availability Add-on.

The Red Hat Certified Specialist in High Availability Clustering exam (EX436) is a performance-based test used to assess the skills and knowledge needed to implement high-availability services on Red Hat Enterprise Linux using the Red Hat Enterprise Linux High Availability Add-on.

By passing this exam, you become a [Red Hat Certified Specialist](#) and can apply your credential toward earning a certification as a [Red Hat Certified Architect \(RHCA®\)](#).

Objectives listed for this exam are based on the most recent Red Hat product version available. Click “Get started” to view all versions of this exam available for purchase.

## What You'll Learn

Students will learn to,

- Configure a high-availability cluster
- Configure cluster fencing
- Configure cluster logging and monitoring
- Configure cluster monitoring
- Configure a clustered fail-over service
- Configure cluster service behavior
- Configure storage
- Configure GFS2 filesystems
- Grow a GFS2 filesystem

## Who Needs to Attend

- Experienced Linux® system administrators responsible for the planning, deployment, and management of multiple physical or virtualized servers.
- Linux system administrators who want to demonstrate competency in configuring and managing highly available failover clusters.
- A Red Hat Certified Engineer (RHCE) interested in earning a Red Hat Certified

Specialist or an RHCA credential.

## Prerequisites

- Red Hat recommends that candidates become a Red Hat Certified System Administrator (RHCSA) or a Red Hat Certified Engineer (RHCE) before attempting this exam but neither is required.
- Have [Red Hat High Availability Clustering \(RH436\)](#) or equivalent experience.
- Understand that real-world system administration experience is also an important aspect of preparation for the exam.
- Review exam objectives for the Red Hat Certified Specialist in High Availability Clustering exam.

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CLASSROOM LIVE

\$650 CAD

1 Day

## Classroom Live Outline

To help you prepare, review the exam objectives which highlights the task areas you can expect to see covered in the exam. Red Hat reserves the right to add, modify, and remove exam objectives. Such changes will be made public in advance.

Candidates should be able to perform the tasks listed below:

- **Configure a high-availability cluster**
  - ☒ Install high availability clustering
  - ☒ Install and configure a high availability cluster either manually or using Ansible
  - ☒ Configure cluster quorum options
- **Configure cluster fencing**
  - ☒ Configure standard fence mechanisms such as fence\_ipmilan
  - ☒ Test fencing configurations using standard tools
  - ☒ Configure fencing so that any cluster member can fence any other cluster member
- **Configure cluster logging and monitoring**
  - ☒ Configure cluster logging so that each node system activity is logged to a separate file
  - ☒ Configure cluster logging so that logging messages will be forwarded to journald
- **Configure cluster monitoring**
  - ☒ Create and configure a cluster monitoring resource
  - ☒ Log cluster events and send notification emails to a specific address
  - ☒ Configure cluster alerts
- **Configure a clustered fail-over service**

- ☐ Create and configure a cluster highly available service
- ☐ Configure a specific resource group
- ☐ Configure services to use shared storage
- ☐ Configure services to use a specific IP
- **Configure cluster service behavior**
  - ☐ Restrict where services run
  - ☐ Configure service failover behavior
- **Configure storage**
  - ☐ Configure an iSCSI initiator
  - ☐ Create and configure shared storage using provided iSCSI volumes
  - ☐ Configure multipath access to shared storage
  - ☐ Configure shared LVM devices
  - ☐ Configure highly available LVM devices
- **Configure GFS2 filesystems**
  - ☐ Create GFS2 filesystems on logical volumes
  - ☐ Configure GFS filesystems to be shared between multiple nodes simultaneously
  - ☐ Manage GFS2 filesystems
  - ☐ Add journals to existing GFS2 filesystems
- **Grow a GFS2 filesystem**

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.



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PRIVATE GROUP TRAINING

1 Day

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