# Red Hat High Availability Clustering

## Cursusduur: 4 Dagen  Cursuscode: RH436

### Beschrijving:

Red Hat® High Availability Clustering (RH436) 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.
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).

### Doelgroep:

Experienced Linux system administrators responsible for managing shared storage across one or more Linux systems and Experienced Linux system administrators responsible for maintaining a high availability service using cluster technology.

### Doelstelling:

- Review of Red Hat enterprise clustering and storage management technologies
- Linux dynamic device management
- iSCSI
- Advanced software RAID
- Device mapper and multipathing

### Vereiste kennis en vaardigheden:

- RHCE certification or equivalent experience

### Examens en certificering

- Red Hat Enterprise Clustering and Storage Management Expertise Exam (EX436) Hands-on, performance-based, 4-hour exam.
- This course prepares you for these credentials:
- Red Hat Certified Architect — RHCA
- Red Hat Certified Security Specialist — RHCDS
- Certificates of Expertise

### Vervolgcursussen:

- RH401, Red Hat Enterprise Deployment and Systems Management
- RHS333, Red Hat Enterprise Security Network Services
- RH442, Red Hat Enterprise Performance Tuning

## Cursusinhoud:

- 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 LV.

- 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.

## Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk  030 - 60 89 444

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