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## Red Hat High Availability Clustering

**Cursusduur: 4 Dagen**    **Cursuscode: RH436**    **Trainingsmethode: Maatwerk**

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### 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).

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### 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.

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### Doelstelling:

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

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

<ul style="list-style-type: none"><li>· Clusters and storage</li></ul>	<ul style="list-style-type: none"><li>· Troubleshoot high-availability clusters</li></ul>	<ul style="list-style-type: none"><li>· Logical volume manager (LVM) clusters</li></ul>
Get an overview of storage and cluster technologies.	Identify and troubleshoot cluster problems.	Manage clustered LV.
<ul style="list-style-type: none"><li>· Create high-availability clusters</li></ul>	<ul style="list-style-type: none"><li>· Complex resource groups</li></ul>	<ul style="list-style-type: none"><li>· Global File System 2</li></ul>
Review and create the architecture of Pacemaker-based high-availability clusters.	Control complex resource groups by using constraints.	Create symmetric shared file systems.
<ul style="list-style-type: none"><li>· Nodes and quorum</li></ul>	<ul style="list-style-type: none"><li>· Two-node clusters</li></ul>	<ul style="list-style-type: none"><li>· Eliminate single points of failure</li></ul>
Review cluster node membership and how quorum is used to control clusters.	Identify and work around two-node clusters issues.	Eliminate single points of failure to increase service availability.
<ul style="list-style-type: none"><li>· Fencing</li></ul>	<ul style="list-style-type: none"><li>· iSCSI initiators</li></ul>	<ul style="list-style-type: none"><li>· Comprehensive review</li></ul>
Understand fencing and fencing configuration.	Manage iSCSI initiators for access to shared storage.	Set up high-availability services and storage.
<ul style="list-style-type: none"><li>· Resource groups</li></ul>	<ul style="list-style-type: none"><li>· Multipath Storage</li></ul>	
Create and configure simple resource groups to provide high-availability services to clients.	Configure redundant storage access.	

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## Nadere informatie:

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

[info@globalknowledge.nl](mailto:info@globalknowledge.nl)

[www.globalknowledge.com/nl-nl/](http://www.globalknowledge.com/nl-nl/)

Iepenhoeve 5, 3438 MR Nieuwegein