

Red Hat High Availability Clustering

Varighed: 4 Days Kursus Kode: RH436 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

Red Hat® Enterprise Clustering and Storage Management (RH436) provides intensive, hands-on experience with storage management, Red Hat Cluster Suite, and the shared storage technology delivered by Red Hat Global File System (GFS). Created for Senior Linux® system administrators, this 4-day course has a strong emphasis on lab-based activities. At the end of the course, students will have learned to deploy and manage shared storage and server clusters that provide highly available network services to a mission-critical enterprise environment.

Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

Målgruppe:

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.

Agenda:

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

Forudsætninger:

- RHCE certification or equivalent experience

Test og 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

Yderligere Kurser:

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

Indhold:

1.Review Red Hat® enterprise clustering and storage management technologies

2.Storage Technologies

- Storage Requirements
- NAS vs SAN

3.iSCSI

- iSCSI as a shared storage device
- Configuring an iSCSI initiator
- Configuring an iSCSI target
- Authentication

4.Kernel Device Management

- udev Features
- udev Rule Configuration
- I/O Scheduler

5.Device mapper and multipathing

- Mapping targets
- Multipath device configuration

6.Red Hat Cluster suite overview

- Design and elements of clustering
- Cluster configuration tools

7.Logical Volume Management

- LVM Review
- Setting up Clustered Logical Volumes

8.Global File System (GFS) 2 (MOVED UP)

- Implementation and configuration
- Lock management
- Planning for and growing on-line GFS
- Monitoring tools
- Journal configuration and management

9.Quorum and the cluster manager

- Intracluster communication
- Cluster tools

10.Fencing and failover

- Fencing components
- Failover domains

11.Quorum disk

- Heuristic configuration

12.Resource Group Manager (rgmanager)

- Resource groups and recovery
- Hierarchical resource ordering
- High availability services

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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