Red Hat High Availability Clustering (RH436)

Modality: Virtual Classroom

Duration: 5 Days

SATV Value:

CLC:

NATU:

SUBSCRIPTION: No

About this course:

This is a high level course and covers some complex topics regarding managing storage and server clusters in Linux system. This course is designed for senior Linux system administrators. This is a Four-day long course. In this course, training and studies will be conducted completely on the basis of practical demonstration exercises. This course will teach yon on the topics of managing storage and server clusters in Linux system that provide profoundly efficient network services to a sharp-focused enterprise work environment.

This course is aimed to teach you on the methods for training for the Red Hat Certified Specialist in High Availability Clustering exam (EX436).

On average, a Red Hat Software Engineer earns **$87,078** per annum.

Learning Objectives:

The course has the following learning objectives:

- Deploying and configuring a high availability cluster by Pacemaker
- Formulating and maintaining highly available services
- Overhauling the general cluster issues
- Working together with shared storage (iSCSI) and setting up multipathing system
- Setting up and managing GFS2 file systems

Audience:

This course is designed for the senior Linux system administrators who are responsible for increasing flexibility in the workforce by providing high availability clustering services. This course will help the administrators in using and managing the fault-proof shared storage technologies.

Requirements:

You have the option for taking this course without exam. If you do not wish to take the exam and do not want to get your RHCE® certification, you can simply pass the online skills exams by demonstrating the required knowledge.

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 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.