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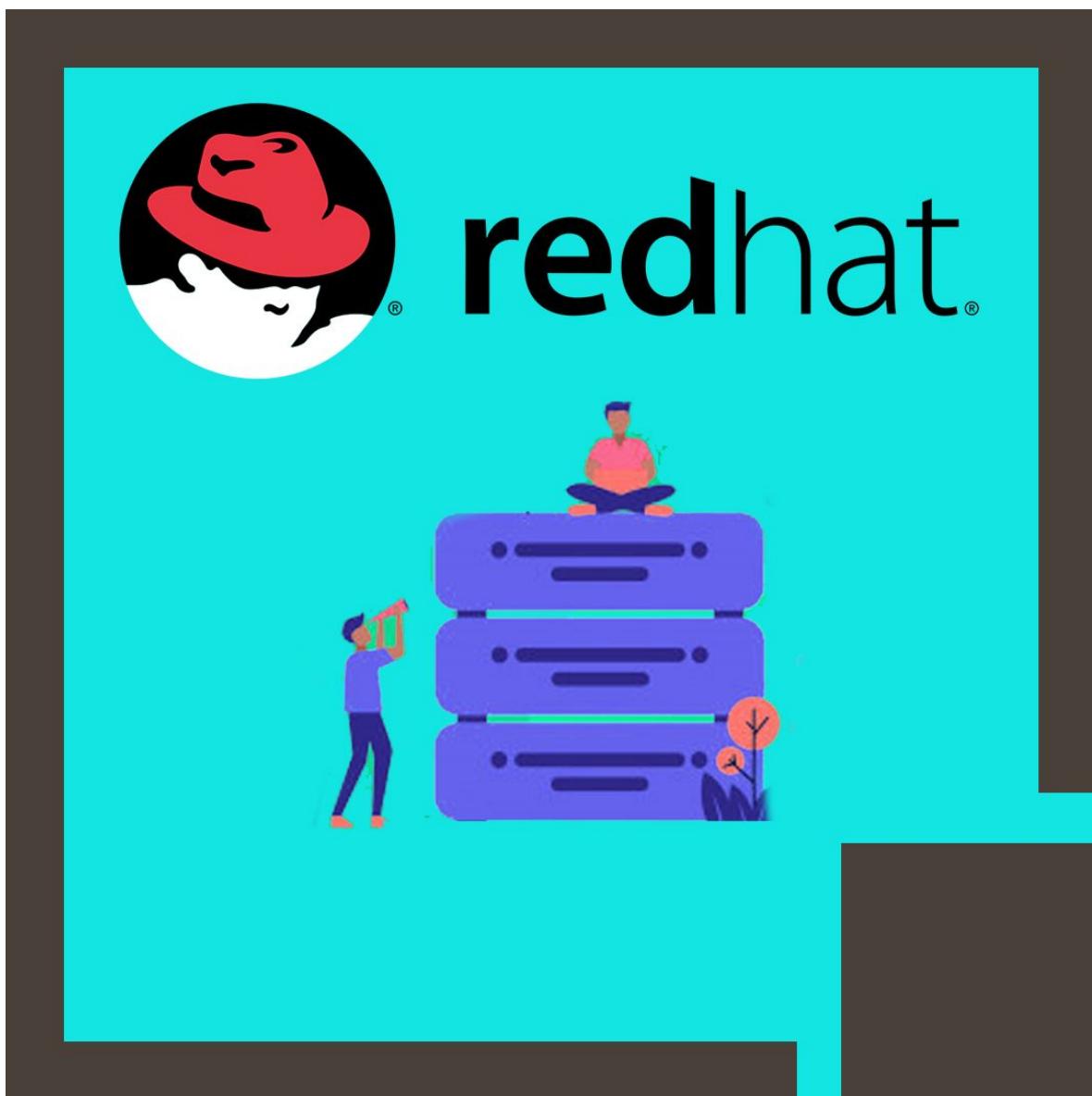
Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Intermediate

Course Duration: 5 Days

## Red Hat High Availability Clustering (RH436VT)



## **About this course:**

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).

The average salary of a Red Hat Software Engineer salary is **\$87,078** per year.

## **Course Objective:**

- Install and configure a Pacemaker-based high availability cluster
- Create and manage highly available services
- Troubleshoot common cluster issues
- Work with shared storage (iSCSI) and configure multipathing
- Configure GFS2 file systems

## **Audience:**

- Senior Linux system administrators responsible for maximizing resiliency through high-availability clustering services and using fault-tolerant shared storage technologies

## **Prerequisite:**

- If you want to take this course without the exam (RH436) and have not earned your RHCE® certification, you can confirm that you have the necessary knowledge by passing the online skills assessment.

## **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.

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