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Learning Style: Virtual Classroom

Provider: Red Hat

Difficulty: Advanced

Course Duration: 5 Days

Red Hat System Administrator III - Red Hat Certified Engineer RHCE (RH254)



About this course:

The applicant will be outfitted with specialized aptitudes portfolio through hands-on labs and lectures. Those up-and-comers who have just accomplished the certification of RHCSA will approach all the extraordinary features of the exam (EX300) of Red Hat Certified Engineer (RHCE) giving them an additional advantage.

The normal pay for Red Hat System Administrator is \$72,762 annually.

Course Objective:

The administrator training of Red Hat framework ensures skill in the accompanying zones:

- Conducting networking.
- Controlling daemons and services.
- Control and Arrange SMTP email delivery.
- Spare iSCSI block storage.
- Setting up link bridging, aggregation, bonding, and teaming for operation
- Design SQL database of MariaDB.
- Transcribing automation scripts of simple bash.
- Creating Apache HTTPD compatible with TLS-enabled virtual hosts.
- Setting up filters to explicitly adjust them with firewalls.
- Shape SAMBA and NFS file-based storage to assure efficient usage and storage.
- Deny and allow access to network services utilizing SELinux.
- Proficient handling of the servers of DNS.

Audience:

The training program of Red Hat is focused on people who are happy to gain abilities through big business level computerization strategies subsequent to accomplishing RHCSA or proportionate expertise level confirmation. The experienced administrator of Linux will be given preparation in scripting, utilizing, and securing services of networks and running different other Red Hat Enterprise Linux security features.

Prerequisites:

Certification of RHCSA or equivalent expertise diploma

Online abilities evaluation has been intended for the individuals who don't have the certification of RHCSA so as to inspect if their insight and aptitudes fit the bill for a Red Hat preparing program. Finishing this online test will assure that the applicant has the necessary aptitude level for this course.

Suggested prerequisites courses:

Red Hat System Administration II (Virtual Training) (RH134VT-EC)

Red Hat System Administration I (RH124)

Course Outline:

Control services and daemons

Review how to manage services and the boot-up process using systemctl

Manage IPv6 networking

Configure and troubleshoot basic IPv6 networking on Red Hat Enterprise Linux systems

Configure link aggregation and bridging

Configure and troubleshoot advanced network interface functionality including bonding, teaming, and local software bridges

Control network port security

Permit and reject access to network services using advanced SELinux and firewalld filtering techniques

Manage DNS for servers

Set and verify correct DNS records for systems and configure secure DNS caching

Configure email delivery

Relay all email sent by the system to an SMTP gateway for central delivery

Provide block-based storage

Provide and use networked iSCSI block devices as remote disks

Provide file-based storage

Provide NFS exports and SMB file shares to specific systems and users

Configure MariaDB databases

Provide a MariaDB SQL database for use by programs and database administrators

Provide Apache HTTPD web service

Configure Apache HTTPD to provide Transport Layer Security (TLS)-enabled websites and virtual hosts

Write Bash scripts

Write simple shell scripts using Bash

Bash conditionals and control structures

Use Bash conditionals and other control structures to write more sophisticated shell commands and scripts

Configure the shell environment

Customize Bash startup and use environment variables, Bash aliases, and Bash functions

Linux containers preview

Preview the capabilities of Linux containers, Docker, and other related technologies in Red Hat Enterprise Linux 7

Comprehensive review

Practice and demonstrate knowledge and skills learned in Red Hat System Administration III

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