



Red Hat System Administrator III

In association with :  **redhat.**



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Duration: 5 days

Prerequisites for this course

- RHCSA certification or equivalent experience
- For candidates who have not earned their RHCSA certification, confirmation of the correct skills and knowledge can be obtained by passing the online skills assessment.

Outline for this course

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

Comprehensive review

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

Thank You