Red Hat System Administration III with RHCSA and RHCE Exam - RH255

Course Contents

- 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

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- 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