

RH254 Red Hat System Administration III: Data Center Services for Red Hat Enterprise Linux 7

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 this course.