



Welcome **7**
RED HAT
ENTERPRISE LINUX



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CERTIFIED
ENGINEER

RHCE



Red Hat System Administration III - RH254

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
- ❖ 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

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