

## Course curriculum for RHEL RHA-230 and RHA-250

RHCE – Red Hat Certified Engineer courses

### Red Hat Enterprise Linux Network Applications (RHA – 230)

#### Table of Contents

##### **Workbook 1. Introduction to Networking Services**

1. Red Hat Enterprise Linux Network Services
2. Managing Red Hat Services
3. Managing xinetd Controlled Daemons
4. SELinux: Secure Linux

**Pretest.** Introduction to Networking Services

**Lab Test.** Introduction to Networking Services

**Test.** Introduction to Networking Services

##### **Workbook 2. The Apache Web Server**

1. Webserver Basics
2. Apache Configuration
3. Apache Configuration: Containers
4. Virtual Hosts
5. The Squid Proxy Server

**Pretest.** The Apache Web Server

**Lab Test.** The Apache Web Server

**Test.** The Apache Web Server

##### **Workbook 3. Berkley Domain Name Service (BIND)**

1. Introduction to DNS
2. Installing and Configuring BIND
3. BIND Databases and Resource Records
4. More BIND Configuration

**Pretest.** Berkley Domain Name Service (BIND)

**Lab Test.** Berkley Domain Name Service (BIND)

**Test.** Berkley Domain Name Service (BIND)

##### **Workbook 4. The Network File Service (NFS) and DHCP**

1. NFS Servers
2. The Dynamic Host Configuration Protocol

**Pretest.** The Network File Service (NFS) and DHCP

**Lab Test.** The Network File Service (NFS) and DHCP

**Test.** The Network File Service (NFS) and DHCP

##### **Workbook 5. Samba**

1. Introducing the Samba Service
2. Samba Global Configuration
3. Samba Shares

**Pretest.** Samba

**Lab Test.** Samba

**Test.** Samba

##### **Workbook 6. Sendmail**

1. Overview of Email Delivery
2. Managing Sendmail
3. Configuring Sendmail

**Pretest.** Sendmail  
**Lab Test.** Sendmail  
**Test.** Sendmail

## Red Hat Enterprise Linux Security Administration (RHA – 250)

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#### **Workbook 1. Introduction and User Authentication**

1. Computer Security
2. User Authentication, Account Information, and Password Management
3. The Pluggable Authentication Modules

**Pretest.** Introduction and User Authentication

**Lab Test.** Introduction and User Authentication

**Test.** Introduction and User Authentication

#### **Workbook 2. System Monitoring**

1. Monitoring the Network
2. Monitoring System Logs
3. Monitoring the Filesystem
4. Monitoring Processes

**Pretest.** System Monitoring

**Lab Test.** System Monitoring

**Test.** System Monitoring

#### **Workbook 3. Network and Service Access Controls**

1. Kernel Level Firewalling
2. Advanced Kernel Level Firewalling
3. TCP Wrappers

**Pretest.** Network and Service Access Controls

**Lab Test.** Network and Service Access Controls

**Test.** Network and Service Access Controls

#### **Workbook 4. Securing Data**

1. Introduction to Encryption
2. Asymmetric ("Public Key") Encryption
3. Public Key Infrastructures
4. OpenSSH

**Pretest.** Securing Data

**Lab Test.** Securing Data

**Test.** Securing Data

**RHCE Review and Test Preparation:** Hands-on lab time

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