

## Networking and Security Administration of Red Hat Linux 5

**Duration:** 5 days

**Course Description:** In the Networking and Security Administration of Red Hat Linux 5 course, students will implement system security and user authentication between hosts using Red Hat Enterprise Linux 5. Students also implement advanced system and network services along with security policies to ensure efficient network administration.

**Audience:** Linux or Unix Administrators and IT professionals who want to build Linux network and security administration skills in networking and security management. It is also designed for individuals who desire to become Red Hat Certified Engineers (RHCE).

**Prerequisites:** Students enrolling in this class should have Linux Administration skills and experience with networking services, security, TCIP/IP, NFS, HTTP, DNS, FTP, NIS, and DHCP. Students should have taken the Essentials of Red Hat Linux 5 and the System Administration of Red Hat Linux 5 or possess equivalent knowledge.

### Course Content:

#### Lesson 1: Managing System Security and Performance

- Topic 1A: Implement Security Policies
- Topic 1B: Monitor Systems
- Topic 1C: Monitor System Logs

#### Lesson 2: Performing Service Management

- Topic 2A: Monitor Services
- Topic 2B: Configure Network Access Controls
- Topic 2C: Configure SELinux Services

#### Lesson 3: Implementing Network Resource Access Controls

- Topic 3A: Implement IPv6
- Topic 3B: Implement Netfilter
- Topic 3C: Implement NAT

#### Lesson 4: Configuring Networks

- Topic 4A: Configure a DNS Server
- Topic 4B: Secure a DNS Server
- Topic 4C: Configure a DHCP Server

#### Lesson 5: Implementing Network File Sharing Services

- Topic 5A: Implement FTP
- Topic 5B: Implement NFS
- Topic 5C: Implement Samba

#### Lesson 6: Implementing Web Service

- Topic 6A: Configure an Apache Server
- Topic 6B: Implement Apache Access Control
- Topic 6C: Implement Access Control in a Proxy Server

#### Lesson 7: Implementing Electronic Mail Services

- Topic 7A: Examine the Electronic Mailing Process
- Topic 7B: Configure Sendmail
- Topic 7C: Configure Postfix
- Topic 7D: Configure Procmail
- Topic 7E: Configure Mail Retrieval Protocols

#### Lesson 8: Implementing Data Security

- Topic 8A: Implement Encryption Services
- Topic 8B: Implement OpenSSH

#### Lesson 9: Managing User Authentication

- Topic 9A: Configure NSS
- Topic 9B: Configure PAM



## **Networking and Security Administration of Red Hat Linux 5**

**Appendix A: Mapping Element K's Networking and Security Administration of Red Hat Linux 5 to the RH253 Objectives**

**Appendix B: Networking and Security Administration of Red Hat Linux 5 of Objective Mapping for Exam RH302**