

Checkpoint Firewall Administration

Duration: 5 days

Mode:

1. Instructor Led Class Room Training and Labs
2. Online

Overview:

Checkpoint Security Administration R77 provides an understanding of the basic concepts and skills necessary to configure Checkpoint Security Gateway and Management Software Blades. During this course you will configure a Security Policy and learn about managing and monitoring a secure network, upgrading and configuring a Security Gateway and implementing a virtual private network.

Key Topics:

- Introduction to Check Point Technology Deployment Platforms
- Introduction to the Security Policy
- Network Address Translation
- User Management and Authentication
- Monitoring Traffic and Connections
- Integration of external directories using Smart Directory (LDAP)
- Identity Awareness
- Configuring to Check Point VPN Site to Site and Site to Client

Target Audience:

- System Administrators
- Support Analysts
- Security Managers
- Network Engineers

Prerequisites:

Working knowledge in Computer Networks and Windows

Course Content

- Design, implement, and troubleshoot Checkpoint Firewall
- Components of Checkpoint Firewall
- Creating Objects
- Network Address Translation (hide, static and manual NAT)
- Implementation of Security policy
- Authentication
- Integration of External Database to Checkpoint firewall

- Cryptography
- VPN site to site using pre-shared keys
- VPN Site to Client
- Load Balancing
- Overview of content Security

Lab Exercises include:

1. Configure Static, Dynamic (hide mode) and Manual NAT
2. Configure various Authentication Schemes (User, Client and Session)
3. Understanding Smart View Tracker and analysing Logs
4. Integrating external Directories to Checkpoint Firewall using Smart Directory (LDAP)
5. Understanding Cryptography – Symmetric, Asymmetric and PKI concepts
6. Configure and deploy VPN Site to site with Pre-shared keys
7. Configure and deploy VPN Site to Client with Desktop Policy and Policy Server
8. Overview of Content based security
9. Understanding Load Balancing in Checkpoint Firewall
10. Performing Firewall Migration, Backup and Restore