

## Checkpoint Certified Security Administrator( CCSA R77.10)



### CHECKPOINT CCSA TRAINING

CCSA course is the essential for security administrators who want to configure security policies, secure communications across the Internet, defend against network threats, and manage a secure network. This course covers concepts and skills necessary to implement, configure and maintain Check Point Software Blades including Firewall, IPSEC VPN, IPS, IPSO, network policy management, logging, status and monitoring, URL filtering, anti-virus, anti-malware, anti-spam & email security.

#### Prerequisites:

- Basic knowledge of networking
- Windows Server and/or UNIX skills
- Internet and TCP/IP experience

#### CCSA Syllabus:

##### Introduction to Checkpoint Technologies

- What's new in checkpoint R77.10
- Checkpoint's Architecture
- Implementing 3 tier Architecture of checkpoint

##### Deployment Platforms

- Checkpoint supported platforms
- Installing Checkpoint on Windows o/s
- Installing Checkpoint on Linux o/s
- Installing Checkpoint on SPLAT
- Installing Checkpoint on GAiA
- Configuring checkpoint in standard setup
- Configuring checkpoint in distributed setup

##### Introduction to Security policy

- Understanding Checkpoint Licensing
- VerifySIC establishment between the Security Management Server and the Gateway using Smart Dashboard

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- Creating a basic Rulebase
- Implicit rules vs Explicit rules
- Configuring hide NAT
- Configuring Static NAT

### **User management & Authentication**

- Configure user & group accounts in checkpoint
- Configure policies for authentication
- Local Authentication Methods
- Configuring user authentication
- Configuring Session authentication
- Configuring Client Authentication

### **External Authentication**

- Creating LDAP & TACACS+ objects
- Integrating active directory server with checkpoint gateway
- Configuring Tacacs+ server
- Integrating Tacacs+ server with checkpoint gateway

### **Identity Awareness**

- Introduction to Identity Awareness
- Configuring Identity Awareness
- Using Identity awareness to provide access to network resource

### **Checkpoint VPN Introduction**

- Understanding VPN terminology
- Configuring Remote access vpn
- Implementing site-to-site vpn with head office & Branch office

### **Monitoring**

- Using smartview tracker for Analyzing logs
- Using smartview Monitor for monitoring traffic
  
- Using queries in smartview tracker
- Filtering logs in smartview tracker

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