

Security Expert R81.20 (CCSE)

Course Duration : 24 Hours

Course code : CCSE-R81.20

1. Course Overview

The **Security Expert R81.20 (CCSE)** course provides in-depth knowledge of advanced Check Point security technologies. This course is designed to help professionals configure, manage, monitor, and troubleshoot complex security environments using Check Point R81.20. It focuses on advanced firewall policies, VPNs, threat prevention, and system optimization for enterprise networks.

2. What you'll learn?

- Advanced firewall policy configuration
- Network Address Translation (NAT) management
- Advanced VPN concepts and implementation
- Threat Prevention technologies overview
- Security policy optimization
- Monitoring, logging, and troubleshooting

3. Target Audience

- Network security engineers
- Security administrators
- Firewall administrators
- SOC analysts
- IT professionals managing Check Point environments

4. Pre-Requisites

- Check Point Security Administration (CCSA) certification
- Strong understanding of TCP/IP networking
- Basic experience with Check Point firewalls

5. Course Content (Modules)

Module 1: Advanced Security Management

- Smart Console advanced features
- Policy layers and access control

Module 2: Firewall and NAT Advanced Configuration

- Rulebase optimization
- Advanced NAT scenarios

Module 3: VPN Advanced Concepts

- Site-to-site VPN
- Remote access VPN configuration

Module 4: Threat Prevention Overview

- IPS, Anti-Bot, Anti-Virus
- Threat emulation and extraction

Module 5: Monitoring and Troubleshooting

- Logs, alerts, and reports
- Performance tuning and diagnostics

Module 6: Best Practices and Real-World Scenarios

- Secure enterprise deployments
- Security optimization techniques

