

Training: Check Point Check Point Certified Security Expert (CCSE)



TRAINING GOALS:

Learn advanced concepts and develop skills necessary to design, deploy, and upgrade Check Point Security environments.

COURSE OBJECTIVES

- Identify basic interfaces used to manage the Check Point environment.
- Identify the types of technologies that Check Point supports for automation.
- Explain the purpose of the Check Management High Availability (HA) deployment.
- Identify the workflow followed to deploy a Primary and solution Secondary servers.
- Explain the basic concepts of Clustering and ClusterXL, including protocols, synchronization, connection stickyness.
- Identify how to exclude services from synchronizing or delaying synchronization.
- Explain the policy installation flow.
- Explain the purpose of dynamic objects, updatable objects, and network feeds.
- Understand how to manage user access for internal and external users.
- Describe the Identity Awareness components and configurations.
- Describe different Check Point Threat Prevention solutions.
- Articulate how the Intrusion Prevention System is configured.
- Obtain knowledge about Check Point's IoT Protect.
- Explain the purpose of Domain-based VPNs.
- Describe situations where externally managed certificate authentication is used.
- Describe how client security can be provided by Remote Access.
- Discuss the Mobile Access Software Blade.
- Explain how to determine if the configuration is compliant with the best practices.
- Define performance tuning solutions and basic configuration workflow.
- Identify supported upgrade and migration methods and procedures for Security Management Servers and dedicated Log and SmartEvent Servers.
- Identify supported upgrade methods and procedures for Security Gateways.

WHO SHOULD ATTEND?

Technical Professionals who architect, upgrade, maintain, and support Check Point products.

CONSPECT:

- Advanced Deployments
- Management High Availability
- Advanced Gateway Deployment
- Advanced Policy Configuration
- Advanced User Access Management
- Custom Threat Protection
- Advanced Site-to-Site VPN
- Remote Access VPN
- Mobile Access VPN
- Advanced Security Monitoring
- Performance Tuning
- Advanced Security Maintenance
- Lab Exercises
 - Navigating the Environment and Using the Management API
 - Deploying Secondary Security Management Server
 - Configuring a Dedicated Log Server
 - Deploying SmartEvent
 - Configuring a High Availability Security Gateway Cluster
 - Working with ClusterXL
 - Configuring Dynamic and Updateable Objects
 - Verifying Accelerated Policy Installation and Monitoring Status
 - Elevating Security with HTTPS Inspection
 - Deploying Identity Awareness
 - Customizing Threat Prevention
 - Configuring a Site-to-Site VPN with an Interoperable Device
 - Deploying Remote Access VPN
 - Configuring Mobile Access VPN
 - Monitoring Policy Compliance
 - Reporting SmartEvent Statistics
 - Tuning Security Gateway Performance

REQUIREMENTS:

CCSA Training or Certification, fundamental Unix and Windows knowledge, certificate management

experience, system administration and networking knowledge.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Check Point Software Technologies Ltd. (course completion).

This course additionally helps prepare for CCSE exam [#156-315.81](#) available at Pearson VUE test centers.

TRAINER:

Authorized Check Point Software Technologies Ltd. Trainer