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

TRANING TERMS

2026-12-09 | 3 days | Virtual Classroom

TRAINING GOALS:

This course provides students with the advanced knowledge, skills, and hands-on experience needed to deploy, manage, and monitor existing Quantum Security Environments. Students will learn how to deploy Management High Availability, provide advanced policy management, configure Site-to-Site VPN, provide advanced security monitoring, upgrade a Security Gateway, use Central Deployment tool to install hotfixes, perform an import of a Primary Security Management Server, and Deploy ElasticXL Cluster.

Target Audience

- Security Engineers
- Security Analysts
- Security Consultants
- Security Architects

NIST/NICE Work Role Categories

- Implementation & Operation
- Protection & Defense

CONSPECT:

- Module 1: Management High Availability
  - Explain the purpose of Management High Availability.
  - Identify the essential elements of Management High Availability.
  - Lab Tasks

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        - Deploy and configure Management High Availability
        - Ensure the failover process functions as expected
- Module 2: Advanced Policy Management
    - Identify ways to enhance the Security Policy with more object types.
    - Create dynamic objects to make policy updatable from the Gateway.
    - Manually define NAT rules.
    - Configure Security Management behind NAT.
    - Lab Tasks
        - Use Updatable Objects
        - Configure Network Address Translation for server and network objects
        - Configure Management behind NAT for Branch Office connections
- Module 3: Site-to-Site VPN
    - Discuss site-to-site VPN basics, deployment, and communities.
    - Describe how to analyze and interpret VPN tunnel traffic.
    - Articulate how pre-shared keys and certificates can be configured to authenticate with third-party and externally managed VPN Gateways.
    - Explain Link Selection and ISP Redundancy options.
    - Explain tunnel management features.
    - Lab Task
        - Configure Site-to-Site VPN with internally managed Security Gateways
- Module 4: Advanced Security Monitoring
    - Describe the SmartEvent and Compliance Blade solutions, including their purpose and use.
    - Lab Tasks
        - Configure a SmartEvent Server to monitor relevant patterns and events
        - Demonstrate how to configure Events and Alerts in SmartEvent
        - Demonstrate how to run specific SmartEvent reports
        - Activate the Compliance Blade
        - Demonstrate Security Best Practice settings and alerts
        - Demonstrate Regulatory Requirements Compliance Scores
- Module 5: Upgrades
    - Identify supported upgrade options.
    - Lab Task
        - Upgrade a Security Gateway
        - Use Central Deployment tool to install Hotfixes
- Module 6: Advanced Upgrades and Migrations
    - Export/import a Management Database.

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- Upgrade a Security Management Server by freshly deploying the new release or using a new appliance.
- Lab Task
  - Prepare to perform an Advanced Upgrade with Database Migration on the Primary Security Management Server in a distributed environment
  - Perform an import of a Primary Security Management Server in a distributed Check Point environment

- Module 7: ElasticXL Cluster
  - Describe the ElasticXL Cluster solution, including its purpose and use.
  - Lab Task
    - Deploy an ElasticXL Security Gateway Cluster

REQUIREMENTS:

Base Knowledge

- Unix-like and/or Windows OS
- Internet Fundamentals
- Networking Fundamentals
- Networking Security
- System Administration
- TCP/IP Networking
- Text Editors in Unix-like OS
- Minimum of 6-months of practical experience with the management of a Quantum Security Environment.

Check Point Courses

- Check Point Certified Security Administrator (required)
- Check Point Deployment Administrator (suggested)

Difficulty level



CERTIFICATE:

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

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This course additionally helps prepare for CCSE R82 exam #156-315.82 available at Pearson VUE test centers www.vue.com/checkpoint

You will also find the **exam prep guide** here: https://www.checkpoint.com/downloads/training/CCSE-Exam-Prep-Guide.pdf , designed to help you succeed.

TRAINER:

Authorized Check Point Software Technologies Ltd. Trainer

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