

# Check Point Certified Security Expert (CCSE) R82

Kód kurzu: CCSER

Tento kurz poskytuje účastníkom pokročilé znalosti, zručnosti a praktické skúsenosti potrebné na nasadenie, správu a monitorovanie existujúcich prostredí Quantum Security.

## Pre koho je kurz určený

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

## Čo Vás naučíme

Účastníci sa naučia nasadiť vysokú dostupnosť správy (Management High Availability), pokročilú správu bezpečnostných politík, konfiguráciu Site-to-Site VPN, pokročilé monitorovanie bezpečnosti, aktualizáciu Security Gateway, použitie nástroja Central Deployment na inštaláciu hotfixov, import primárneho Security Management Servera, nasadenie klastra ElasticXL.

## Požadované vstupné znalosti

### 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)

## Študijné materiály

Príručka ku kurzu firmy Check Point podľa programu kurzu.

## Osnova kurzu

### Module 1: Management High Availability

- Explain the purpose of Management High Availability.
- Identify the essential elements of Management High Availability.

### Lab Tasks

- 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

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- 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.
- 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 Tasks

- Deploy an ElasticXL Security Gateway Cluster