

Check Point Certified Security Expert (CCSE) R82 (includes 180 days' lab access)

Duration: 3 Days **Course Code: CKT_CCSE_R82**

Overview:

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

Prerequisites:

- 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)

Testing and Certification

Certification Exam: 156-315.82

Please contact us for exam voucher pricing.

Content:

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
- 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

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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