CHECK POINT
CERTIFIED SECURITY EXPERT (CCSE)

OBJECTIVES

• Articulate Gaia system management procedures.
• Explain how to perform database migration procedures.
• Articulate the purpose and function of Management High Availability.
• Describe how to use Check Point API tools to perform management functions.
• Articulate an understanding of Security Gateway cluster upgrade methods.
• Discuss the process of Stateful Traffic inspection.
• Articulate an understanding of the Check Point Firewall processes and debug procedures.
• Describe advanced ClusterXL functions and deployment options.
• Explain how the SecureXL acceleration technology enhances and optimizes Security Gateway performance.
• Describe how the CoreXL acceleration technology enhances and improves Security Gateway performance.
• Articulate how utilizing multiple traffic queues can make traffic handling more efficient.
• Describe different Check Point Threat Prevention solutions for network attacks.
• Explain how SandBlast, Threat Emulation, and Threat Extraction help to prevent security incidents.
• Recognize alternative Check Point Site-to-Site deployment options.
• Recognize Check Point Remote Access solutions and how they differ from each other.
• Describe Mobile Access deployment options.

EXERCISES

• Perform an upgrade of a Security Management server in a distributed environment.
• Use the migrate_export command to prepare to migrate a Security Management Server.
• Deploy a Secondary Management Server.
• Demonstrate how to define new network and group objects using the Check Point API.
• Perform an upgrade of Security Gateways in a clustered environment.
• Use Kernel table commands to evaluate the condition of a Security Gateway.
• Use common commands to evaluate the condition of a Security Gateway.
• Configure Virtual MAC.
• Demonstrate how SecureXL affects traffic flow.
• Describe how the CoreXL acceleration technology enhances and improves Security Gateway performance.
• Demonstrate how to monitor and adjust interface traffic queues.
• Identify specific threat protections used by Check Point Threat Prevention.
• Demonstrate how to enable Mobile Access for remote users.

TOPICS

Management Maintenance
Management Migration
Management
High Availability
Policy Automation
Gateway Maintenance
The Firewall Kernel
User-Mode Processes
ClusterXL
Traffic Acceleration
Core Acceleration
Interface Acceleration
Threat Prevention
Threat Emulation
Advanced Site-to-Site VPN
Remote Access VPN
Mobile Access