Check Point Security Engineering (CCSE) R81.1

Duration: 3 Days   Course Code: CCSE   Version: R81.1

Overview:

This 3-day Check Point Certified Security Engineering (CCSE R81.1) course helps you validate your understanding and skills necessary to configure and optimally manage Check Point Next Generation Firewalls. This advanced CheckPoint course teaches how to build, modify, deploy and troubleshoot Check Point Security Systems on the GAiA operating system. Hands-on lab exercises teach how to debug firewall processes, optimize VPN performance and upgrade Management Servers.

Target Audience:

Technical persons who support, install, deploy or administer Check Point Software Blades should attend this course. This could include the following:Systems Administrators, System Engineers and Security Managers Check Point Certified Security Administrators (CCSA) who want to achieve Expert certification

Objectives:

- Identify advanced CLI commands.

- Understand system management procedures, including how to perform system upgrades and apply patches and hotfixes.

- Describe the Check Point Firewall infrastructure.

- Describe advanced methods of gathering important gateway data using CPView and CPInfo.

- Recognize how Check Point's flexible API architecture supports automation and orchestration.

- Discuss advanced ClusterXL functions.

- Describe VRRP network redundancy advantages.

- Undersand how SecureXL acceleration technology is used to enhance and improve performance.

- Understand how CoreXL acceleration technology is used to enhance and improve performance.

- Identify the SmartEvent components that store network activity logs and identify events.

- Discuss the SmartEvent process that determines which network activities may lead to security issues.

- Understand how SmartEvent can assist in detecting, remediating, and preventing security threats.

- Discuss the Mobile Access Software Blace and how it secures communication and data.

- Understand Mobile Access deployment options.

- Recognize Check Point Remote Access solutions.

- Discuss Check Point Capsule components and how they protect mobile devices and business documents.

Prerequisites:

Check Point Security Administration training or equivalent knowledge and experience.

Testing and Certification

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Follow-on-Courses:

Check Point Security Master (CCSM)

Content:

COURSE TOPICS

- System Management
- Automation and Orchestration
- Redundancy
- Acceleration
- SmartEvent
- Mobile and Remote Access
- Threat Prevention

LAB EXERCISES

- Upgrading a Security Management Server to R81.1
- Applying Check Point Hotfixes
- Configuring a New Security Gateway Cluster
- Core CLI Elements of Firewall Administration
- Configuring Manual Network Address Translation
- Managing Objects Using the Check Point API
- Enabling Check Point VRRP
- Deploying a Secondary Security Management Server
- Viewing the Chain Modules
- Working with SecureXL
- Working with CoreXL
- Evaluating Threats with SmartEvent
- Managing Mobile Access
- Understanding IPS Protections
- Deploying IPS Geo Protection
- Reviewing Threat Prevention Settings and Protections

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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