R81.10 Check Point SOFTWARE TECHNOLOGIES

CERTIFIED SECURITY ADMINISTRATOR
R81.10 Check Point SOFTWARE TECHNOLOGIES LTD
CCSA & CCSE BOOT CAMP

CHECK POINT
CYBERSECURITY BOOT CAMP
(CCSA & CCSE)

CERTIFIED SECURITY EXPERT
R81.10 Check Point SOFTWARE TECHNOLOGIES LTD
CCSA & CCSE BOOT CAMP

AUDIENCE
Technical professionals and expert who support, administer or perform advanced deployment configurations of Check Point products.

GOALS
Learn basic and advanced concepts and develop skills necessary to administer IT security fundamental and intermediate tasks.

PREREQUISITES
One-year experience on Check Point products. Working knowledge of Windows, UNIX, networking technology, the Internet and TCP/IP is recommended.

TOPICS

SECURITY ARCHITECTURE	GAIA POR TAL	USER-MODE PROCESSES	HIGH AVAILABILITY
FIREWALL BASICS	SECURITY EVENTS	THREAT EMULATION	TRAFFIC ACCELERATION
THREAT DETECTION	HIDE/STATIC NAT	USER ACCESS	REMOTE ACCESS VPN
MANAGEMENT MruNTENANCE	ADMIN OPER ATIONS	POLICY AUTOMATION	COMPLIANCE TASKS
THE FIREWALL KERNEL	MONITORING STATES	LICENSING	GATEWAY MAINTENANCE
THREAT PREVENTION	POLICY LAYERS	TRAFFIC VISIBILITY	INTERFACE ACCELERATION
	MANAGEMENT MIGRATION	REMOTE ACCESS VPN	

SECURITY ADMINISTRATOR

OBJECTIVES

- Know how to perform periodic administrator tasks.
- Describe the basic functions of the Gaia operating system.
- Recognize SmartConsole features, functions, and tools.
- Describe the Check Point Firewall infrastructure.
- Understand how SmartConsole is used by administrators to grant permissions and user access.
- Learn how Check Point security solutions and products work and how they protect networks.
- Understand licensing and contract requirements for Check Point security products.

EXERCISES

- Identify key components and configurations.
- Create and confirm administrator users for the domain.
- Validate existing licenses for products installed on your network.
- Create and modify Check Point Rule Base objects.
- Demonstrate how to share a layer between Security Policies.
- Analyze network traffic and use traffic visibility tools.
- Monitor Management Server States using SmartConsole.

SECURITY EXPERT

OBJECTIVES

- Articulate Gaia system management procedures.
- Understand system management procedures, including how to perform system upgrades and how to install hotfixes.
- Describe the Check Point Firewall infrastructure.
- Describe advanced methods of gathering important gateway data using CPView and CPlnfo.
- Recognize how Check Point's flexible API architecture supports automation and orchestration.
- Understand how SecureXL acceleration technology is used to enhance and improve performance.

EXERCISES

- Upgrading a Security Management Server.
- Perform Check Point Online Jumbo Hotfixes.
- Migrate a Security Management Server.
- Configuring a New Security Gateway Cluster.
- Core CLI Elements of Firewall Administration.
- Configuring Manual Network Address Translation.
- Managing Objects Using the Check PointAPI.

CERTIFICATION INFORMATION

CCSA & CCSE

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