

Check Point Certified Security Administrator (CCSA) and Expert (CCSE) R81.20 5-day Boot Camp (includes 180 days' lab access)

Duration: 5 Days Course Code: CKT_CCSAEBC_R81_20

Overview:

The Check Point Cybersecurity Boot Camp is a fast-paced course intended for Security Experts and other technical professionals with prior training and/or practical experience with Check Point Security Management Servers and Security Gateways running on the Gaia operating system.

This course is not for new users to Check Point – previous certification/experience is recommended.

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

Target Audience:

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

Objectives:

■ Security Administrator (CCSA)

- Describe the primary components of a Check Point Three-Tier Architecture and explain how they work together in the Check Point environment.
- Identify the basic workflow to install Security Management Server and Security Gateway for a single-domain solution.
- Create SmartConsole objects that correspond to the organization's topology for use in policies and rules.
- Identify the tools available to manage Check Point licenses and contracts, including their purpose and use.
- Identify features and capabilities that enhance the configuration and management of the Security Policy.
- Demonstrate an understanding of Application Control & URL Filtering and Autonomous Threat Prevention capabilities and how to configure these solutions to meet an organization's security requirements.
- Describe how to analyze and interpret VPN tunnel traffic.
- Identify how to monitor the health of supported Check Point hardware using the Gaia Portal and the command line.
- Describe the different methods for backing up Check Point system information and discuss best practices and recommendations for each method.

■ Security Expert (CCSE)

- Identify the types of technologies that Check Point supports for automation.

- Explain the purpose of the Check Management High Availability (HA) deployment.
- Explain the basic concepts of Clustering and ClusterXL, including protocols, synchronization, and connection stickiness.
- Explain the purpose of dynamic objects, updatable objects, and network feeds.
- Describe the Identity Awareness components and configurations.
- Describe different Check Point Threat Prevention solutions.
- Articulate how the Intrusion Prevention System is configured.
- Explain the purpose of Domain-based VPNs.
- Describe situations where externally managed certificate authentication is used.
- Describe how client security can be provided by Remote Access.
- Discuss the Mobile Access Software Blade.
- Define performance tuning solutions and basic configuration workflow.
- Identify supported upgrade methods and procedures for Security Gateways.

Prerequisites:

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

Testing and Certification

Prepare for exams #156-215.81.20 and #156-315.81.20 at www.VUE.com/checkpoint

Exam vouchers are available at an additional cost - please ask for details.

Full information on Check Point's Certification Program can be viewed at

<https://www.checkpoint.com/downloads/training/check-point-certification-faq.pdf>

Follow-on-Courses:

Attend two Infinity Specialization courses and pass their exams to automatically become a Check Point Certified Security Master (CCSM).

Attend four Infinity Specialization courses and pass their exams to automatically become a Check Point Certified Security Master Elite (CCSM Elite).

- Check Point Certified Endpoint Specialist (CCES)
- Check Point Certified Troubleshooting Administrator (CCTA)
- Check Point Certified Automation Specialist (CCAS)
- Check Point Certified Cloud Specialist (CCCS)
- Check Point Certified MDSM Specialist (CCMS)
- Check Point Certified VSX Specialist (CCVS)
- Check Point Certified Troubleshooting Expert (CCTE)
- Check Point Certified Maestro Expert (CCME)
- Check Point Certified Cloud Network Security Expert for AWS (CNSE-AWS)
- Check Point Certified Cloud Network Security Expert for Azure (CNSE-AZURE)

Content:

Topics:

- Security Management
- SmartConsole
- Deployment
- Object Management
- Licenses and Contracts
- Policy Rules and Rulebase
- Policy Packages
- Policy Layers
- Traffic Inspection
- Network Address Translation
- Application Control
- URL Filtering
- Logging
- Snapshots
- Backup and Restore
- Gaia
- Permissions
- Policy Installation
- Advanced Deployments
- Management High Availability

- Advanced User Access Management
 - Custom Threat Protection
 - Advanced Site-to-Site VPN
 - Remote Access VPN
 - Mobile Access VPN
 - Advanced Security Monitoring
 - Performance Tuning
 - Advanced Security Maintenance
- Security Administrator (CCSA)
- Deploy SmartConsole
 - Install a Security Management Server
 - Install a Security Gateway
 - Configure Objects in SmartConsole
 - Establish Secure Internal Communication
 - Manage Administrator Access
 - Manage Licenses
 - Create a Security Policy
 - Configure Order Layers
 - Configure a Shared Inline Layer
 - Configure NAT
 - Integrate Security with a Unified Policy

- Elevate Traffic View
 - Monitor System States
 - Maintain the Security Environment
- Security Expert (CCSE)
- Navigate the Environment and Use the Management API
 - Deploy Secondary Security Management Server
 - Configure a Dedicated Log Server
 - Deploy SmartEvent
 - Configure a High Availability Security Gateway Cluster
 - Work with ClusterXL
 - Configure Dynamic and Updateable Objects
 - Verify Accelerated Policy Installation and Monitoring Status
 - Elevate Security with HTTPS Inspection
 - Deploy Identity Awareness
 - Customize Threat Prevention
 - Configure a Site-to-Site VPN with an Interoperable Device
 - Deploy Remote Access VPN
 - Configure Mobile Access VPN
 - Monitor Policy Compliance

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| <ul style="list-style-type: none">• Advanced Gateway Deployment• Advanced Policy Configuration | <ul style="list-style-type: none">• Elevate Security with Autonomous Threat Prevention• Configure a Locally Managed Site-to-Site VPN | <ul style="list-style-type: none">• Report SmartEvent Statistics• Tune Security Gateway Performance |
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Additional Information:

Please note that Check Point only offer e-kit courseware for training courses. Each delegate will be provided with an official set of e-kit courseware.

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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