

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_CCSAEBBC_R81_20 Delivery Method: Virtual Learning

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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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)

- 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.

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

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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