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Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Check Point Certified Security Administrator (CCSA) R81.20 & Troubleshooting Administrator (CCTA) R81.10 Bundle (includes 180 days' lab access)

CODE:	LENGTH:	PRICE:
CKT_CPSACCTA_R81.X	40 Hours (5 days)	£2,995.00

Description

This bundle course covers the following two Check Point training courses:

- Check Point Certified Security Administrator (CCSA) R81.20 (3 days)

- Check Point Certified Troubleshooting Administrator (CCTA) R81.10 (2 days)

The CCSA R81.20 part of the course covers the fundamentals needed to deploy, configure, and manage daily operations of Check Point Security Gateways and Management Software Blades that run on the Gaia operating system.

The CCTA R81.10 part of the course provides an understanding of the concepts and skills necessary to troubleshoot issues that may occur when managing the Check Point Security Management architecture and Security Gateways.

Objectives

CCSA R81.20

- Describe the primary components of a Check Point Three-Tier Architecture and explain how they work together in the Check Point environment.

- Explain how communication is secured and how traffic is routed in the Check Point environment.

- Describe the basic functions of the Gaia operating system.

- 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.

- Explain how policy layers affect traffic inspection.

- Articulate how Network Address Translation affects traffic.

- Describe how to configure manual and automatic Network Address Translation (NAT).

- 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.

- Articulate how pre-shared keys and certificates can be configured to authenticate with third party and externally managed VPN Gateways.

- Describe how to analyze and interpret VPN tunnel traffic.

- Configure logging parameters.

- Use predefined and custom queries to filter log results.

- 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.

CCTA R81.10

- Identify online resources for Check Point security products and solutions.

- Demonstrate understanding of capture packet technologies.

- Demonstrate understanding of Firewall chain modules, Kernel and User Mode, and Kernel and User Space.

- Use Linux and Check Point utilities to review processes and system information.

- Troubleshoot log collection issues and interrupted communications.

- Monitor network activity and traffic flow.

- Demonstrate understanding of Check Point SmartConsole and Policy installation.

- Investigate and troubleshoot issues with Check Point SmartConsole and Policy installation.

- Demonstrate understanding of Check Point Identity Awareness.

- Investigate and troubleshoot issues with Check Point Identity Awareness.

- Demonstrate understanding of Check Point Application Control and URL Filtering.

- Investigate and troubleshoot issues with Check Point Application Control and URL Filtering.

- Demonstrate understanding of Check Point Network Address Translation.

- Investigate and troubleshoot issues with Check Point Network Address Translation.

- Demonstrate understanding of Check Point Threat Prevention.

- Investigate and troubleshoot issues with Check Point Threat Prevention.

- Demonstrate understanding of Check Point licenses and contracts.

- Investigate and troubleshoot Check Point licenses and contracts.

Audience

- Technical professionals who support, install deploy or administer Check Point products.

- Security administrators and Check Point resellers who need to manage and monitor issues that may occur within their Security Management environment.

Prerequisites

- Working knowledge of UNIX and/or Windows operating systems.

- Working knowledge of Networking TCP/IP.

- Advanced knowledge of Check Point Security products.

Programme

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

- Demonstrate and apply understanding of the concepts and skills necessary to troubleshoot issues that may occur when managing the Security Management environment.
  CCSA R81.20

  - Security Management

  - SmartConsole

  - Deployment

  - Object Management

  - Licenses and Contracts

  - Policy Rule and Rulebase

  - Policy Packages

  - Policy Layers

  - Traffic Inspection

  - Network Address Translation

  - Application Control

  - URL Filtering

  - Logging

  - Snapshots

  - Backup and Restore

  - Gaia

  - Permissions

  - Policy Installation

  CCTA R81.10

- Introduction to Troubleshooting Fundamentals

- Fundamentals of Traffic Monitoring

- SmartConsole and Policy Management Troubleshooting

- Identity Awareness Troubleshooting

- Access Control Troubleshooting

- Troubleshooting Issues with NAT

- Understanding Threat Prevention

- License and Contract Troubleshooting

Follow on courses

- Check Point Certified Security Expert (CCSE) R81.20

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).
Choose from the following Infinity Specialization courses:

- Check Point Certified Endpoint Specialist (CCES)

- 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)

Test and Certification

Prepare for exams #156-215.81.20 (CCSA R81.20) and #156.580 (CCTA R81.10) at www.VUE.com/checkpoint
Exam vouchers are available at an additional cost from educationteam.ecs.uk@arrow.com   (0870 251 1000)
Full information on Check Point's Certification Program can be viewed at:https://www.checkpoint.com/downloads/training/check-point-certification-faq.pdf

Further 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.

Arrow ECS are a Check Point Platinum Elite Authorised Training Company (ATC) Partner and participate in the Check Point Learning Credits (CLCs) and Partner Coop Training Program.

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.