Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Arrow ECS Internet Security AG, Richtistrasse 11, CH-8304 Wallisellen

Email: trainings.ecs.ch@arrow.com
Phone: +41 43 222 80 00

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

CODE:	LENGTH:	PRICE:
CKT_CCSACCTA_R81.20	40 Hours (5 days)	CHf3,300.00

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) R81.20 (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 R81.20 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 R81.20

- Identify basic resources available to troubleshoot Check Point Security Gateways and Management Software Blades that run on the Gaia operating system.
- Discuss how to use the OSI (Open Systems Interconnection) model for problem isolation.
- Investigate and troubleshoot potential traffic flow issues.
- Monitor network activity and performance.
- Investigate and troubleshoot log collection issues.
- Investigate and troubleshoot SmartConsole issues.
- Investigate and troubleshoot Application Control and URL Filtering issues.

- Investigate and troubleshoot NAT (Network Address Translation) issues.
- Investigate and troubleshoot issues with basic Site-to-Site VPNs.
- Investigate and troubleshoot Autonomous Threat Prevention issues.
- Investigate and troubleshoot Licenses and Contracts issues.

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

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 R81.20

- Introduction to Troubleshooting
- Fundamentals of Traffic Monitoring
- Log Collection Troubleshooting
- SmartConsole Troubleshooting
- Application Control & URL Filtering Troubleshooting
- NAT Troubleshooting
- Basic Site-to-Site VPN Troubleshooting
- Autonomous Threat Prevention Troubleshooting
- Licenses and Contract Troubleshooting

Exercises: CCSA R81.20

- Deploying SmartConsole
- Installing a Security Management Server
- Installing a Security Gateway
- Configuring Objects in SmartConsole
- Establishing Secure Internal Communication
- Managing Administrator Access
- Managing Licenses

- Creating a Security Policy
- Configuring Order Layers
- Configuring a Shared Inline Layer
- Configuring NAT
- Integrating Security with a Unified Policy
- Elevating Security with Autonomous Threat Prevention
- Configuring a Locally Managed Site-to-Site VPN
- Elevating Traffic View
- Monitoring System States
- Maintaining the Security Environment

CCTA R81.20

- Troubleshoot with Linux and Check Point Commands
- Collect and Analyze Interface Packet Captures
- Troubleshoot Log Communication Issues
- Troubleshoot SmartConsole
- Troubleshoot Application Control and URL Filtering
- Investigate Network Address Translation Issues
- Troubleshoot Site-to-Site VPN
- Evaluate Threat Prevention Products
- Verify Licenses

Follow on courses

Follow on training:

- Check Point Certified Security Expert (CCSE) R81.20
- Check Point Certified Troubleshooting Expert (CCTE) 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 #156.582 (CCTA R81.20) at www.VUE.com/checkpoint

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
01 Sep 2025	Virtual Classroom	BST	English	Instructor Led Online		CHf3,300.00
27 Oct 2025	Virtual Classroom	GMT	English	Instructor Led Online		CHf3,300.00
08 Dec 2025	Virtual Classroom	GMT	English	Instructor Led Online		CHf3,300.00
01 Sep 2025	Virtual Classroom	CEDT	German	Instructor Led Online		CHf3,300.00
10 Nov 2025	Virtual Classroom	CET	German	Instructor Led Online		CHf3,300.00

Zusätzliche Information

Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.

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