Check Point Automation Specialist

Category: Networking & Security | **Vendor:** Check Point

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This offering is a 2-day Specialist course which provides a comprehensive understanding of automation and the Check Point's Management API architecture. It presents advanced concepts in subjects such as how to create and execute automated scripts to perform R80 Security Management tasks. Students will experience how to use a variety of methods to execute API commands and how to use automation tools to create a self-service portal to enhance their Check Point security solution.

The Check Point Automation Specialist course is the first of a series of Specialist-designated courses to be released. These courses serve to help build the student's knowledge of Check Point products and services, and introduces emerging technologies and advanced concepts not covered in our core curriculum.

Check Point Automation Specialist course provides an understanding of the advanced concepts and skills necessary to automate and orchestrate tasks relating to managing Check Point Security Policies.

About This Course

COURSE TOPICS

- Introduction to automation and orchestration
- Check Point APIs
- API development
- API troubleshooting
- Self-service Web portals

LAB EXERCISES

- Demonstrate Check Point automation and orchestration
- Manage objects using the Check Point API
- Create a management API shell script
- Use a variety of methods to execute API commands
- Use a custom REST tool for API calls
- Use Postman for API calls
- Debug the Check Point management API
- Automate tasks using a Check Point API enabled Web portal

Who Should Attend

Technical professionals who automate, orchestrate, and troubleshoot Check Point secured environments.

Prerequisites & Entry Requirements

General Prerequisites:

Check Point CCSA Certification or attend CCSA Training

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Explain how automation and orchestration work together
- Understand the key drivers for incorporating automation and orchestration into security management
- Execute a shell script that demonstrates how to build a comprehensive Security Policy.
- Recognize how the Check Point API framework integrates with R80 Security Management to support automation and orchestration of daily tasks
- Describe Check Point API tools and demonstrate how they are used to manage Check Point Security Management solutions
- Demonstrate how to define new objects and modify existing ones by using the Check Point API
- Demonstrate how to create API commands to efficiently maintain the Check Point Security Management Server database
- Demonstrate how to use different methods to update the database with API commands
- Become familiar with client-side and server-side scripting and scripting languages
- Understand how to use the Bash shell to develop APIs
- Recognize and describe many of the open source tools that are available to assist with API development
- Demonstrate how to use a custom REST application to update the database of a Security Management Server
- Demonstrate how to use Postman to manage the Security Policy database through the Check Point API
- Understand what steps to take to troubleshoot and debug API scripts
- Demonstrate basic troubleshooting techniques by reviewing debugging messages in various forms
- Understand how to use self-service portal capabilities to provide general IT services
- Recognize how automation tools work with Check Point APIs to automate security management tasks and orchestrate workflow behind service portals
- Demonstrate common tasks that are automated in a Web portal to manage the Security Policy

Detailed Course Outline

COURSE TOPICS

- Introduction to automation and orchestration
- Check Point APIs
- API development
- API troubleshooting
- Self-service Web portals

LAB EXERCISES

- Demonstrate Check Point automation and orchestration
- Manage objects using the Check Point API
- Create a management API shell script
- Use a variety of methods to execute API commands
- Use a custom REST tool for API calls
- Use Postman for API calls
- Debug the Check Point management API
- Automate tasks using a Check Point API enabled Web portal

Skills You Will Learn:

- Explain how automation and orchestration work together
- Understand the key drivers for incorporating automation and orchestration into security management
- Execute a shell script that demonstrates how to build a comprehensive Security Policy.
- Recognize how the Check Point API framework integrates with R80 Security Management to support automation and orchestration of daily tasks
- Describe Check Point API tools and demonstrate how they are used to manage Check Point Security Management solutions
- Demonstrate how to define new objects and modify existing ones by using the Check Point API
- Demonstrate how to create API commands to efficiently maintain the Check Point Security Management Server database
- Demonstrate how to use different methods to update the database with API commands
- Become familiar with client-side and server-side scripting and scripting languages
- Understand how to use the Bash shell to develop APIs
- Recognize and describe many of the open source tools that are available to assist with API development
- Demonstrate how to use a custom REST application to update the database of a Security Management Server
- Demonstrate how to use Postman to manage the Security Policy database through the Check Point API
- Understand what steps to take to troubleshoot and debug API scripts
- Demonstrate basic troubleshooting techniques by reviewing debugging messages in various forms
- Understand how to use self-service portal capabilities to provide general IT services
- Recognize how automation tools work with Check Point APIs to automate security management tasks and orchestrate workflow behind service portals
- Demonstrate common tasks that are automated in a Web portal to manage the Security Policy

Frequently Asked Questions

Q: What delivery options are available for Check Point Automation Specialist?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Check Point Automation Specialist course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Check Point Automation Specialist training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Check Point Automation Specialist?

Yes, we provide corporate training, dedicated training, and closed classes for Check Point Automation Specialist. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Check Point Automation Specialist, Check Point Training, CCAS

Q: Why choose Nexus Human for Check Point Automation Specialist?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Check Point Automation Specialist training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 14/11/2026.