Training: Check Point
Check Point Certified Automation Specialist (CCAS)

TRANING TERMS

2026-11-09 | 2 days | Virtual Classroom
2026-12-22 | 2 days | Virtual Classroom
2026-12-28 | 2 days | Virtual Classroom

TRAINING GOALS:

Gain the knowledge and skills to effectively implement automation and orchestration technologies in a Check Point security environment.

COURSE OBJECTIVES

- Define and explain the benefits of automation and orchestration.
- Discuss technologies used for automation and orchestration, such as scripts and APIs.
- Discuss the basic components of the Check Point API infrastructure and how these components interact to provide security automation and orchestration.
- Given a scenario, prepare the Check Point environment for API operations.
- Describe the basic workflow for Management API command usage.
- Identify the supported automation tools for Management API commands.
- Given a scenario, use the appropriate automation tool to run Management API commands.
- Describe the basic workflow for Gaia API command usage.
- Identify the supported automation tools for Gaia API commands.
- Given a scenario, use the appropriate automation tool to run Gaia API commands.
- List best practices and guidelines for Management and Gaia APIs.
- Identify the benefits of using the JSON argument (--format json) with Management API commands.
- Give examples of how to use the jq utility to filter Management API output.
- Identify the prerequisites for using Postman for Check Point Web API calls.
- Describe the basic workflow for using Postman to send Check Point Web API calls.
- Given a scenario, configure and use Postman to send Web API commands.

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WHO SHOULD ATTEND?

This course is designed for Security Professionals who want to gain practical knowledge and skills using automation and orchestration technologies to streamline and improve Check Point security management and operations.

CONSPECT:

- Introduction to Automation and Orchestration
- Introduction to Check Point APIs
- Management API
- Gaia API
- Best Practices and Guidelines
- JSON and jq
- Postman
- Lab Exercises
  - Use scripts to deploy a Security Management Server.
  - Deploy a Security Gateway using the Blink utility.
  - Use best practices to prepare the security environment for API usage.
  - Use internal and external tools to automate object and policy creation and modification.
  - Automate the creation and installation of the security policy.
  - Automate the connection of the Security Gateway.
  - Automate adjustments to Check Point Server Configuration with the Gaia API.
  - Use the Management API and the Gaia API to add resources, modify object settings, and perform maintenance tasks.
  - Use JSON scripts and jq to view objects and monitor performance.

REQUIREMENTS:

Working knowledge of Unix-like and/or Windows operating systems, networking fundamentals, networking security, TCP/IP networking, Bash scripting, and vi editor. Other prerequisites that are strongly encouraged include knowledge of Check Point security (CCSA and CCSE) and a minimum of six months practical experience with Check Point security solutions.

Difficulty level



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CERTIFICATE:

The participants will obtain certificates signed by Check Point Software Technologies Ltd. (course completion).

This course additionally helps prepare for CCAS exam #156-521 available at Pearson VUE test centers.

TRAINER:

Authorized Check Point Software Technologies Ltd. Trainer

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