

Check Point Certified Automation Specialist (CCAS) R81.20

Duration: 2 Days **Course Code: CKT_CCAS_R81_20** **Delivery Method: Virtual Learning**

Overview:

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

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:

This Specialist-level 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.

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.

Prerequisites:

- 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.

Testing and Certification

Prepare for exams #156-521 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 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:

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

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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