Check Point Certified Automation Specialist (CCAS) R81.20

Kód kurzu: CCAS

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

Pro koho je kurz určen

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

Co Vás naučíme

- 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

Požadované vstupní znalosti

- Check Point CCSA training/certification

Osnova kurzu

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

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- 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

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