Training: Check Point
Check Point Certified Security Master (CCSM) R80.20

FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Digital materials	1200 EUR	3 days
Traditional	CTAB Tablet	1300 EUR	3 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRANING TERMS

2019-09-02 | 3 days | Kraków
2019-10-28 | 3 days | Warszawa

TRAINING GOALS:

Check Point Certified Security Master (CCSM) R80.20 course provide an understanding of advanced concepts and skills necessary to manage virtualized security in high-end networks and advanced security optimization techniques.

WHO SHOULD ATTEND?

This course is for customers and partners who want to learn the advanced skills to troubleshoot and configure Check Point Security Gateway and Management Software Blades:

- System Administrators
- Security Engineers
- Network Engineers
- CCSEs seeking higher certification

COURSE OBJECTIVES AND TOPICS INCLUDE:

- Firewall-1 administration and infrastructure review
- How policy changes impact chain module behavior
- Identify management issues and problems with commands
- Use commands to troubleshoot NAT stages
- Configure Manual NAT to define specific rules
- Use commands to review and clear connections table

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- Modify files to allow traffic through a specific cluster member
- Locate the source of encryption failures using commands
- Use commands to verify VPN connectivity
- Identify any potentially mis-configured VPNs
- Tune NIC performance
- Increase size and improve hardware performance
- Improve load capacity
- Tune the firewall rule base
- Reduce load on Rule Base application
- Improve network performance
- Improve logging efficiency
- Use IPS Bypass to manage performance
- Deploy IPv6 in a local envrionment
- Identify differences between VPNs
- Configure VPN Tunnel Interface (VTI)
- Configure Open Shortest Path First (OSPF)
- Identify the wire mode function by testing a VPN failover

CONSPECT:

- Introduction to Security Master
- Chain Modules
- NAT
- ClusterXL
- VPN Troubleshooting
- SecureXL Acceleration Debugging
- Hardware Optimization
- Software Tuning
- Enable CoreXL
- IPS
- IPv6
- Advanced VPN

Lab exercises include:

- Evaluate Chain Modules
- Modify Security Policies

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- Examine how rules and objects affect optimization
- Troubleshoot Secure Internal Communication issues
- Identify a mis-configured rule
- Identify the source of GUI client connectivity problems
- Improve load capacity through optimization
- Optimize network performance
- Configure Manual NAT
- Troubleshoot ClusterXL and SecureXL
- Configure IPS to reduce false positives
- Identify the speed of the system's CPU
- Identify connections in the ClusterXL debug file
- Troubleshoot a mis-configured VPN
- Identify VPN configuration problems
- Identify acceleration status of current connections
- Identify the source of an encryption failure

REQUIREMENTS:

Persons attending this course should have a:

- CCSE
- General knowledge of TCP/IP
- Working knowledge of Windows and UNIX
- Working knowledge of network technology
- Working knowledge of the Internet

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Check Point Software Technologies Ltd. (course completion). This course additionally helps prepare for **CCSM exam #156-115.80** at **Pearson VUE test centers** (coming soon).

TRAINER:

Authorized Check Point Software Technologies Ltd. Trainer.

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