

Check Point Certified Security Master (CCSM)

Duration: 3 days

Participants

Technical professionals who troubleshoot, optimize, and deploy Check Point in advanced configurations with multiple Software Blades to protect environments from threats.

Prerequisites

- Check Point CCSE Certification

Objectives

- Obtain a deeper knowledge of the Check Point Security Management Architecture.
- Understand management processes and debugs.
- Understand how GuiDBedit operates.
- Understand how fw monitor captures packets.
- Understand how to use the fw debug process and debug infrastructures for User mode debugging.
- Discuss how to enable and use core dumps.
- Understand how to troubleshoot and debug SmartConsole and policy installation issues.
- Understand how to troubleshoot and debug NAT.
- Understand client side and server-side NAT.
- Describe how to configure port mapping services.
- Recognize how to debug VPN-related issues.
- Understand the processes and components used for policy installation and packet processing.
- Understand how to troubleshoot and debug Application Control and URL Filtering issues.
- Understand how to debug HTTPS inspection.
- Understand how to troubleshoot and debug Content Awareness, Anti-Bot and Antivirus, and Threat Prevention software blade issues.
- Discuss how to use the IPS Bypass feature.
- Understand how to reduce IPS false positives.
- Understand hardware and operating system performance of Security Gateways.
- Understand how to evaluate hardware performance.
- Discover tools used in monitoring CPU utilization.
- Understand how to monitor cluster status and work with critical devices.
- Recognize how to troubleshoot synchronization.
- Recognize how to work with accelerated traffic.
- Understand how to use fwaccel dbg and sim dbg.
- Understand how to configure CoreXL for performance.
- Understand how to deploy IPv6.

Course Topics

- SmartConsole and policy management
- Advanced database management
- Advanced Network Address Translation (NAT)
- VPN troubleshooting
- Kernel Mode and User Mode troubleshooting
- Troubleshooting access control policies
- Troubleshooting Threat Prevention policies
- Optimization and tuning
- Advanced clustering
- Acceleration debugging
- Deploying IPv6

LAB EXERCISES

- Exploring the Postgres Database and querying Solr
- Debugging the object creation process
- Advanced firewall troubleshooting
- Identifying issues with SmartConsole
- Troubleshooting management issues
- Troubleshooting the policy installation process
- Investigating Network Address Translation issues
- Using alternative methods of NAT
- Troubleshooting VPN issues
- Troubleshooting Application Control, Content Inspection, and IPS
- Evaluating hardware related optimization
- Troubleshooting ClusterXL
- Troubleshooting Security Gateway failover
- Troubleshooting Management High Availability
- Troubleshooting SecureXL
- Working with CoreXL
- Implementing IPv6

Test & Certification

Prepare for exam #156-115.80

Exam vouchers are available for purchase directly from www.VUE.com/checkpoint

Further 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.