

## CCTA Troubleshooting Administrator

### Who Should Attend?

This course is designed for security administrators and Check Point resellers who need to manage and monitor issues that may occur within their Security Management environment.

### Course Goal

Demonstrate and apply understanding of the concepts and skills necessary to troubleshoot issues that may occur when managing the Security Management environment.

### Prerequisites

Working knowledge of UNIX and/or Windows operating systems. Working knowledge of Networking TCP/IP. CCSA training/certification. Advanced knowledge of Check Point Security products.

### Course Length

2 Days

### Course Topics

- Introduction to Troubleshooting Fundamentals
- Fundamentals of Traffic Monitoring
- SmartConsole and Policy Management Troubleshooting
- Identify Awareness Troubleshooting
- Access Control Troubleshooting
- Troubleshooting Issues with NAT
- Understanding Threat Prevention
- License and Contract Troubleshooting

## Course Objectives

- Identify online resources for Check Point security products and solutions.
- Demonstrate understanding of capture packet technologies.
- Demonstrate understanding of Firewall chain modules, Kernel and User Mode, and Kernel and User Space.
- Use Linux and Check Point utilities to review processes and system information.
- Troubleshoot log collection issues and interrupted communications.
- Monitor network activity and traffic flow.
- Demonstrate understanding of Check Point SmartConsole and Policy installation.
- Investigate and troubleshoot issues with Check Point SmartConsole and Policy installation.
- Demonstrate understanding of Check Point Identity Awareness.
- Investigate and troubleshoot issues with Check Point Identity Awareness.
- Demonstrate understanding of Check Point Application Control and URL Filtering.
- Investigate and troubleshoot issues with Check Point Application Control and URL Filtering.
- Demonstrate understanding of Check Point Network Address Translation.
- Investigate and troubleshoot issues with Check Point Network Address Translation.
- Demonstrate understanding of Check Point Threat Prevention.
- Investigate and troubleshoot issues with Check Point Threat Prevention.
- Demonstrate understanding of Check Point licenses and contracts.
- Investigate and troubleshoot Check Point licenses and contracts.

## Exercises

- Using tcpdump and Wireshark
- Viewing Firewall Chain Modules
- Using Basic Linux and Check Point Commands
- Troubleshooting Logging Communication Issues
- Analyzing Traffic Captures
- Troubleshooting SmartConsole and Using SmartConsole Tools
- Troubleshooting Identity Awareness
- Troubleshooting Application Control and URL Filtering
- Investigating Network Address Translation Issues
- Evaluating Advanced Threat Prevention Products
- Verifying Licenses

## Certification Information

Exam #156.580

