



# CHECK POINT TROUBLESHOOTING ADMINISTRATOR (CCTA)

## TOPICS



### AUDIENCE

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.



### GOALS

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.

## TOPICS

Introduction to Troubleshooting Fundamentals

Fundamentals of Traffic Monitoring

SmartConsole and Policy Management Troubleshooting

Identity Awareness Troubleshooting

Access Control Troubleshooting

Troubleshooting Issues with NAT

Understanding Threat Prevention

License and Contract Troubleshooting

## 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