CHECK POINT CERTIFIED TROUBLESHOOTING ADMINISTRATOR (CCTA) R80.x

## WHO SHOULD ATTEND?

This course is designed for security experts and checkpoint resellers who need to manage and monitor issues that may occur within their Security Management environment

## COURSE GOAL:

Provide advanced troubleshooting skills to investigate and resolve more complex issues that may occur while managing your Check Point Security 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 TOPICS

* An Introduction to Troubleshooting
* SmartConsole and Policy Management Troubleshooting
* Monitoring Logging Activity
* Troubleshooting Issues with NAT
* Understanding the Unified Access Control Policy
* Basic VPN Troubleshooting
* Monitoring ClusterXL Connections
* Understanding Identity Awareness

# LAB EXERCISES

* Monitoring Security Gateway Traffic
* Troubleshooting Issues with SmartConsole
* Troubleshooting Log Connectivity Issues
* Investigating Log Connectivity Issues
* Investigating NAT Issues
* Troubleshooting General Traffic Issues
* Evaluating HTTP and HTTPS Traffic Issues
* Troubleshooting Site-to-Site VPN Issues
* Troubleshooting Clustering Issues
* Troubleshooting Identity Awareness
* Configuring and Testing Identity Collector

# COURSE OBJECTIVES

* Understand how to use Check Point resources for support.
* Understand how to perform packet captures using tcmdump and FW Monitor command tools.
* Understand the basic process of kernel debugging, and how

debug commands are structured.

* Recognize how to use various Linux commands for troubleshooting system issues.
* Recognize communication issues that may occur between

SmartConsole and the SMS and how to resolve them.

* Understand how to troubleshoot SmartConsole login and authentication issues.
* Understand how to prevent and resolve licensing and contract

issues.

* Understand how to troubleshoot issues that may occur during policy installation.
* Understand communication issues that may occur when collecting

logs and how to resolve them.

* Recall various tools to use when analyzing issues with logs.
* Understand how to restore interrupted communications during heavy logging.
* Understand how NAT works and how to troubleshoot issues.
* Understand Client Side and Server Side NAT.
* Understand how the Access Control Policy functions and how the access control applications work together.
* Understand how to troubleshoot issues that may occur with

Application Control and URL Filtering.

* + Understand how the HTTPS Inspection process works and how to resolve issues that may occur during the process.
  + Understand how to troubleshoot Content Awareness issues.
  + Recognize how to troubleshoot VPN-related issues.
  + Understand how to monitor cluster status and work with critical

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devices.

* Recognize how to troubleshoot State Synchronization.
* Understand how to troubleshoot communication issues between Identity Sources and Security Gateways.
* Understand how to troubleshoot and debug issues with internal

Identity Awareness processes.