Check Point Troubleshooting Expert R81.10 (CCTE)

Check Point

Com certificação

- **Nível:**
- **Duração:** 14h

Sobre o curso

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

The Check Point Certified Troubleshooting Expert (CCTE) provides advanced troubleshooting skills to investigate and resolve more complex issues that may occur while managing your Check Point security environment.

Destinatários

This course is designed for security experts and Check Point resellers who desire to obtain the necessary knowledge required to perform more advanced troubleshooting skills while managing their security environments.

Objetivos

- Demonstrate understanding how to use advanced troubleshooting tools and techniques including: Interpreting diagnostic data with
  CPInfo, Collecting and reading statistical data using CPView, and Advanced troubleshooting risks.
- Describe the use of Logs and SmartEvent in troubleshooting.
- Describe the log indexing system and issues that can occur.
- Discuss methods to troubleshoot log indexing in SmartLog and SmartEvent.
- Explain the databases used in Security Management operations.

- Identify common troubleshooting database issues.
- Discuss Management Processes.
- Demonstrate understanding of advance troubleshooting tools and techniques including: How the kernel handles traffic, How to
  troubleshoot issues using chain modules, How to use the two main procedures for debugging the Firewall kernel, and How the two
  main procedures for debugging the Firewall kernel differ.
- Demonstrate understanding of user mode debugging, including collecting and interpreting process debugs.
- Debug user mode processes.
- Discuss advanced Identity awareness troubleshooting.
- Learn to run debugs on Identity Awareness.
- Explain Unifed Access Control flow and processes.
- Explain Access Control kernel debugs.
- Describe Access Control process debugs.
- Explain basic and advanced Site-to-Site VPN troubleshooting tools and techniques, including: Packet captures, IKE debugs, and VPN
  process debugs.
- Explain Client-to-Site VPN troubleshooting tools and techniques, including: Remote access troubleshooting and Mobile access
  troubleshooting.

Pré-requisitos

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

Programa

- Advanced Troubleshooting Techniques
- Advanced Logs and and Monitoring
- Management Database and Processes
- Advanced Kernel Debugging
- User Mode Troubleshooting
- Advanced Identity Awareness Troubleshooting
- Advanced Access Control

- Site-to-Site VPN Troubleshooting
- Client-to-Site VPN Troubleshooting

Lab Exercises

- Collecting and Reading CPInfo
- Collecting and Reading CPView Data
- Troubleshooting SmartLog
- Troubleshooting SmartEvent
- Troubleshooting Database Issues
- Debugging Security Gateway Kernel
- Debugging User Mode Processes
- Debugging Identity Awareness
- Debugging Unified Policy Inspection
- Troubleshooting Site-to-Site VPN
- Debugging Remote Access VPN