

# Check Point Security Engineering and Troubleshooting Expert (CCSE+CCTE)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 22 Mar. 2021 a 26 Mar. 2021
- **Preço:** 2750€
- **Horário:** Laboral - das 09h00 às 17h00
- **Duração:** 35 horas

This 5-day course combines the [Check Point Security Engineering \(CCSE\)](#) and the [Check Point Troubleshooting Expert \(CCTE\)](#) courses.

This course :

- teaches how to build, modify, deploy and troubleshoot Check Point Security Systems on the GAIa operating system. The Hands-on lab exercises teach how to debug firewall processes, optimize VPN performance and upgrade Management Servers.
- provides advanced troubleshooting skills to investigate and resolve more complex issues that may occur while managing your Check Point security environment.

## Destinatários

- Expert users and resellers who need to perform advanced deployment configurations of Check Point Software Blades.
- 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.

## Pré-requisitos

- CCSA training/certification
- Working knowledge of Windows, UNIX, networking, TCP/IP, and the Internet

# Metodologia

- Sessões teóricas e práticas.
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## Programa

### **LAB EXERCISES - Check Point Security Engineering**

- Upgrading a Security Management Server to R80.X
- Applying Check Point Hotfixes
- Configuring a New Security Gateway Cluster
- Core CLI Elements of Firewall Administration
- Configuring Manual Network Address Translation
- Managing Objects Using the Check Point API
- Enabling Check Point VRRP
- Deploying a Secondary Security Management Server
- Viewing the Chain Modules
- Working with SecureXL
- Working with CoreXL
- Evaluating Threats with SmartEvent
- Managing Mobile Access
- Understanding IPS Protections
- Deploying IPS Geo Protection
- Reviewing Threat Prevention Settings and Protections
- Deploying Threat Emulation and Threat Extraction

### **LAB EXERCICES - Advanced Troubleshooting**

- Monitoring Network Traffic
- Debugging Management Processes
- Exploring the Postgres and Solr Databases
- Troubleshooting Management Synchronization
- Analyzing Traffic Issues Using Kernel Debugs
- Debugging User Mode Processes
- Troubleshooting Application Control and URL Filtering
- Troubleshooting IPS
- Evaluating Threat Prevention Products
- Debugging Site-to-Site VPN
- Troubleshooting Remote Access VPN
- Testing Mobile Access VPN
- Evaluating SecureXL
- Modifying CoreXL
- Evaluating Hardware-related Performance
- Tuning and Software Optimization