

## Check Point Security Master R80.20 (CCSM)

- **Formato do curso:** Presencial
- **Localidade:** Live Training
- **Data:** 24 Nov. 2020 a 26 Nov. 2020
- **Preço:** 2170€
- **Horário:** Laboral - das 09h00 às 18h00
- **Nível:** Avançado
- **Duração:** 24 horas

Este curso avançado de 3 dias prepara-o para administrar segurança virtualizada em redes avançadas e aplicar técnicas avançadas de otimização de segurança.

### Destinatários

Technical professionals who troubleshoot, optimize, and deploy Check Point in advanced configurations with multiple Software Blades to protect environments from threats.

### Pré-requisitos

- Certificação CCSE ou conhecimento equivalente

### Objectivos

- Obtain a deeper knowledge of the Check Point Security Management Architecture.
- Understand management processes and debugs.
- Understand how GuiDBedit operates.
- Understand how fw monitor captures packets.
- Understand how to use the fw debug process and debug infrastructures for User mode debugging.
- Discuss how to enable and use core dumps.
- Understand how to troubleshoot and debug SmartConsole and policy installation issues.
- Understand how to troubleshoot and debug NAT.
- Understand client side and server-side NAT.
- Describe how to configure port mapping services.
- Recognize how to debug VPN-related issues.

- Understand the processes and components used for policy installation and packet processing.
  - Understand how to troubleshoot and debug Application Control and URL Filtering issues.
  - Understand how to debug HTTPS inspection.
  - Understand how to troubleshoot and debug Content Awareness, Anti-Bot and Antivirus, and Threat Prevention software blade issues.
  - Discuss how to use the IPS Bypass feature.
  - Understand how to reduce IPS false positives.
  - Understand hardware and operating system performance of Security Gateways.
  - Understand how to evaluate hardware performance.
  - Discover tools used in monitoring CPU utilization.
  - Understand how to monitor cluster status and work with critical devices.
  - Recognize how to troubleshoot synchronization.
  - Recognize how to work with accelerated traffic.
  - Understand how to use fwaccel dbg and sim dbg.
  - Understand how to configure CoreXL for performance.
  - Understand how to deploy IPv6.
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## Metodologia

- Sessões teóricas e práticas.
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## Programa

### LAB EXERCISES

- Exploring the Postgres Database and querying Solr
- Debugging the object creation process
- Advanced firewall troubleshooting
- Identifying issues with SmartConsole
- Troubleshooting management issues
- Troubleshooting the policy installation process
- Investigating Network Address Translation issues
- Using alternative methods of NAT
- Troubleshooting VPN issues
- Troubleshooting Application Control, Content Inspection, and IPS
- Evaluating hardware related optimization
- Troubleshooting ClusterXL
- Troubleshooting Security Gateway failover
- Troubleshooting Management High Availability
- Troubleshooting SecureXL
- Working with CoreXL
- Implementing IPv6