CCSE, Check Point Certified Security Expert R80: Certification Prep

Hands-on course of 3 days - 21h
Ref.: CPW - Price 2024: CHF2 490 (excl. taxes)

EDUCATIONAL OBJECTIVES
At the end of the training, the trainee will be able to:

Perform updates

Solve user access problems detected during implementation with Identity Awareness

Implement a high-availability cluster and Load Sharing

Prepare for the official exam that leads to CCSE certification

CERTIFICATION
To take the certification exam, you'll need to register on the Check Point website. You can then take the exam directly online or at an approved centre. You will need CCSA certification.

THE PROGRAMME

last updated: 06/2022

1) Check Point R80: Operation and updating
- Updating Check Point R80.
- Update compatibility.
- Upgrade tools.
- Overview of Database Revision Control.
Hands-on work : Installing systems and updates in R80.

2) Identity Awareness and Application Control
- The limits of a traditional IP-based and port-based firewall.
- Access control.
- The four authentication methods in Identity Awareness R80
- Check Point 3D Security. HTTPS Inspection.
- The AppWiki. URL Filtering.
Hands-on work : Setting up Identity Awareness. Installing Security Management Server R80. Installing the Smartconsole and creating objects

3) The SecurityCore acceleration module
- Overview of the new SecurityCore acceleration module.
- Accelerating connections with SecureXL.
- The SecureX module and session acceleration.
- The case of http. CoreXL technology.
- Getting SecureXL and CoreXL to work at the same time.

4) Check Point clustering
- High availability of the Management Server.
- Firewall redundancy.
- ClusterXL High Availability (Active/Passive).
- ClusterXL Load Sharing (Active/Active).
- VMAC and ARP issues.

- VRRP. Comparing ClusterXL and VRRP.
Hands-on work : Implementing Active/Passive firewall redundancy, a cluster in Active/Active unicast (pivot mode) and multicast mode.

5) VPN and advanced routing
- VPN routing. Route-Based VPN.
- Dynamic routing with the RIP, OSPF, and BGP routing protocols.
- Wire Mode operating modes.
- Directional VPN Route Match.
- Link Selection and VPN redundancy.
- Traditional/simplified VPN. Tunnel Management.
Hands-on work : Setting up route-based VPN tunnels, static/dynamic routing, and configuring Wire Mode.

6) Advanced firewalls.
- Tools: Dbedit and guiDBedit.
- System files. Log management.
- Retrieving a CPInfo file.
- Example use of "InfoView" and "Confwiz".
- SIC, ICA, and certificates.
- Check Point processes.
- Tcpdump. The command fw monitor.
Hands-on work : Using debug tools.

DATES

REMOTE CLASS
2025 : 02 Apr, 02 Jul, 01 Oct, 19
Nov