Check Point Certified Troubleshooting Administrator (CCTA)

Kód kurzu: CCTA

Školení Check Point Certified Troubleshooting Administrator (CCTA) poskytuje porozumění konceptům a dovednostem nezbytným k řešení problémů, které mohou nastat při správě platformy Check Point. Tento kurz je dvoudenní a je zaměřen pouze na troubleshooting jednotlivých funkcí.Instruktor doplňuje školení o novinky z verzí R80.40 a R81 v prezentaci.Praktická cvičení jsou ve verzi R80.30.

Pro koho je kurz určen

Administrátory a zkušenejší uživatele, kteří se potřebují dovědět možnosti řešení problému prři správě platformy Check Point.

Co Vás naučíme

- 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 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.

Požadované vstupní znalosti

- CCSA tréning/certifikace (není podmínkou, avšak uchazeč o školení by měl mít pokročilé znalosti Check Point). CCSE tréning/certifikace výhodou.
- Hlubší znalosti s Linux a TCP/IP.
- Metody výuky

Osnova kurzu

1. Intro do problematiky řešení problémů
2. Řešení potíží s politikou a Smart Konzolí
3. Kernel a UserSpace debug
4. Troubleshooting logování
5. Problémy s NATy

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6. Pochopení konceptu a komponent Unifikované politiky
7. Problémy s VPN
8. Debugging ClusterXL technologie
9. Pochopení Identity Awareness

Praktická cvičení

Lab 1.1: Monitoring Security Gateway Traffic
Lab 2.1: Troubleshooting Issues with SmartConsole
Lab 3.1: Troubleshooting Log Connectivity Issues
Lab 4.1: Investigating NAT Issues
Lab 5.1: Troubleshooting General Traffic Issues
Lab 5.2: Evaluating HTTP and HTTPS Traffic Issues
Lab 6.1: Troubleshooting Site-to-Site VPN Issues
Lab 7.1: Troubleshooting Clustering Issues
Lab 8.1: Troubleshooting Identity Awareness
Lab 8.2: Configuring and Testing Identity Collector

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