

# Check Point Certified Troubleshooting Administrator (CCTA)

Kód kurzu: CCTA

Pro koho je kurz určen Administrátory a zkušenější uživatele, kteří se potřebují dovědět možnosti řešení problému při správě platformy Check Point.

Co Vás naučíme • Understand how to use Check Point resources for support.

- Understand how to perform packet captures using tcpdump 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 training/certifikace (není podmínkou, avšak uchazeč o školení by měl mít pokročilé znalosti Check Point). CCSE training/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
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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## Pro koho je kurz určen

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

## Co Vás naučíme

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- 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 training/certification (not a condition, but applicants for training should have advanced knowledge of Check Point).
- CCSE training/certification preferred.
- Deeper knowledge of Linux and TCP/IP.
- Teaching methods

## 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
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

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# Check Point Certified Troubleshooting Administrator (CCTA)

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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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