Check Point Certified Security Administrator & Expert R77 Bootcamp - Særpris!

Varighed: 5 Days   Kursus Kode: CCSB

Beskrivelse:

Dette 5-dages bootcamp-style kursus dækker alt hvad der bør vides omkring start-up, konfigurering og daglig drift af Check Point 3D Security systems. Du vil lære avancerede teknikker til at få det maximale ud af jeres installation inklusiv:
Troubleshooting Firewall-1 Upgrading best practices Clustering and acceleration VPN implementations Advanced user management

Målgruppe:

Technical persons who support, install, deploy or administer Check Point Software Blades should attend this course. This could include the following: System Administrators Support Analysts Security Managers Network Engineers Anyone seeking CCSA certification

Agenda:

- Perform a backup of a Security Gateway and Management Server using your understanding of the differences between backups, snapshots and update-exports

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- Upgrade and troubleshoot a Management Server using a database migration

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- Upgrade and troubleshoot a clustered Security Gateway deployment

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- Use knowledge of Security Gateway infrastructures, chain modules, packet flow and kernel tables to perform debugs on firewall processes

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- Build, test and troubleshoot a ClusterXL Load Sharing deployment on an enterprise network

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- Build, test and troubleshoot a ClusterXL High Availability deployment on an enterprise network

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- Build, test and troubleshoot a management HA deployment on an enterprise network

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- Configure, maintain and troubleshoot SecureXL and CoreXL acceleration solutions on the corporate network traffic to ensure noted performance enhancement

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- Using an external user database such as LDAP, configure User

- Create and configure network, host and gateway objects

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- Verify SIC establishment between the Security Management Server and the Gateway using SmartDashboard

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- Create a basic Rule Base in SmartDashboard that includes permissions for administrative users, external services, and LAN outbound use

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- Configure NAT rules on Web and Gateway servers

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- Evaluate existing policies and optimize the rules based on current corporate requirements

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- Maintain the Security Management Server with scheduled backups and policy

- versions to ensure seamless upgrades with minimal downtime

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- Use Queries in SmartView Tracker to monitor IPS and common network traffic

- and trouble¬shoot events using packet data

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- Use packet data to generate reports, trouble¬shoot system and security issues, and ensure network functionality

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- Using SmartView Monitor, configure alerts and traffic counters, view

Directory to incorporate user information for authentication services on the network

- Manage internal and external user access to resources for Remote Access or across a VPN

- Troubleshoot user access issues found when implementing Identity Awareness

- Troubleshoot a site-to-site or certificate-based VPN on a corporate gateway using IKE View, VPN log files and command-line debug tools

- Optimize VPN performance and availability by using Link Selection and Multiple Entry Point solutions

- Manage and test corporate VPN tunnels to allow for greater monitoring and scalability with multiple tunnels defined in a community including other VPN providers

- Create events or use existing event definitions to generate reports on specific network traffic using SmartReporter and SmartEvent to provide industry compliance information to management

- Troubleshoot report generation given command-line tools and debugfile information

- Describe Check Point's unified approach to network management, and the key

- elements of it

- Design a distributed environment

- Install the Security Gateway in a distributed environment

- Perform a backup and restore the current Gateway installation from the command line

- Identify critical files needed to purge or backup, import and export users and groups and add or delete administrators from the command line

- Deploy Gateways using the Gaia web interface

a Gateway's status, monitor suspicious activity rules, analyze tunnel activity and monitor remote user access

- Monitor remote Gateways using SmartUpdate to evaluate the need for upgrades, new installations, and license modifications

- Use SmartUpdate to apply upgrade packages to single or multiple VPN-1 Gateways

- Upgrade and attach product licenses using SmartUpdate

- Centrally manage users to ensure only authenticated users securely access the corporate network either locally or remotely

- Manage users to access the corporate LAN by using external databases

- Use Identity Awareness to provide granular level access to network resources

- Acquire user information used by the Security Gateway to control access

- Define Access Roles for use in an Identity Awareness rule

- Implement Identity Awareness in the Firewall Rule Base

- Configure a pre-shared secret site-to-site VPN with partner sites

- Configure permanent tunnels for remote access to corporate resources

- Configure VPN tunnel sharing, given the difference between host-based,

- subunit-based and gateway-based tunnels

Forudsætninger:

Successful completion of this course depends on knowledge of multiple disciplines related to network-security activities including UNIX and Windows operating systems, Certificate management, system administration, networking (TCP/IP) knowledge, and Check Point Security Administration course/CCSA Certification. Persons attending this course should have general knowledge of TCP/IP, and working knowledge of Windows, UNIX, network technology and the internet.

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Flere Informationer:

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