



Check Point Certified Security Expert

Module 1: Upgrading

- Perform a backup of a Security Gateway and Management Server using your
- Understanding of the differences between backups, snapshots, and upgrade-exports.
- Upgrade and troubleshoot a Management Server using a database migration.
- Upgrade and troubleshoot a clustered Security Gateway deployment.

Innovative Execution...

Module 2: Advanced Firewall

- Understand key elements of Checkpoint firewall infrastructure.
- Understand kernel table in checkpoint.
- Understand packet processing in checkpoint.
- Debug firewall using knowledge of kernel table, packet flow table and tcpdump.

Module 3: Clustering and Acceleration

- Build, test and troubleshoot a ClusterXL Load Sharing deployment on an enterprise network.
- Build, test and troubleshoot a ClusterXL High Availability deployment on an enterprise network.
- Build, test and troubleshoot a management HA deployment on an enterprise network.
- Configure, maintain and troubleshoot SecureXL and CoreXL acceleration solutions on the corporate network traffic to ensure noted performance enhancement on the firewall.
- Build, test and troubleshoot a VRRP deployment on an enterprise network.

Module 4: Advanced User Management

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

Module 5: Advanced IPSec VPN and Remote Access

- Using your knowledge of fundamental VPN tunnel concepts, troubleshoot a site-to-site or certificate-based VPN on a corporate gateway using IKEView, 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

Module 6: Auditing and Reporting

- Auditing and Reporting Process
- Create Events or use existing event definitions to generate reports on specific network traffic using SmartReporter and SmartEvent in order to provide industry compliance information to management.
- Using your knowledge of SmartEvent architecture and module communication, troubleshoot report generation given command-line tools and debug-file information.