



ANI CONSUMER SOLUTIONS PRIVATE LIMITED

CIN: U74999DL2016PTC308530

Phone: +91-9711212660 Email: aniconsumersolutions@gmail.com

Website: <http://aniconsumersolutions.com/>

“Checkpoint Certified Security Administrator”

Duration: 3 days

Eligibility: B.Tech/BE & MBA Students

Training Objective: Firewall is essential design element for enterprise and datacenter security requirements. Organizations are using firewall and other security technologies to secure their perimeter and business critical assets. Ever changing and dynamic business requirement's has ensued complex business interactions hence security has become of paramount interest and topmost priority for organizations to secure the digital information.

Course Contents:

- Describe Check Point's unified approach to network management, and the key elements of this architecture.
- Design a distributed environment using the network detailed in the course topology.
- Install the Security Gateway version R77 in a distributed environment using the network detailed in the course topology.
- Given network specifications, 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 sysconfig and cpconfig from the Gateway command line.
- Given the network topology, create and configure network, host and gateway objects
- Verify SIC establishment between the Security Management Server and the Gateway using SmartDashboard
- Create a basic Rule Base in SmartDashboard that includes permissions for administrative users, external services, and LAN outbound use.
- Evaluate existing policies and optimize the rules based on current corporate requirements.
- Maintain the Security Management Server with scheduled backups and policy versions to ensure seamless upgrades and minimal downtime.
- Configure NAT rules on Web and Gateway servers.
- Use Queries in SmartView Tracker to monitor IPS and common network traffic and troubleshoot events using packet data.
- Using packet data on a given corporate network, generate reports, troubleshoot system and security issues, and ensure network functionality.
- Using SmartView Monitor, configure alerts and traffic counters, view a Gateway's status, monitor suspicious activity rules, analyze tunnel activity and monitor remote user access based on corporate requirements.



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- 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 to 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.
- Implementing 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
- Resolve security administration issues.

Note: This program will lead by corporate security advisor who work with the realistic scenarios of how work has been taken place on perimeter device.