Checkpoint Firewall Course Content

Checkpoint Firewall Installation

- Standalone installation
- Distributed installation
- Primary and Secondary installation Rule base
- Objects and Smart view tracker

Network Address Translation

- Configuring Hide mode or Dynamic NAT
- Configuring Static NAT
- Configuring Manual NAT

Cryptography

- Symmetric Key Cryptography
- Asymmetric Key Cryptography Public Key Infrastructure
- Public and Private Keys
- Encryption and Decryption Message Digest
- Hashing Algorithm
- Digital Signature Authentication
- Integrity and Non-repudiation
- Diffie Helman Key exchange

Authentication

- Kerberos
- User Authentication
- Client Authentication
- Session Authentication
- Partially automatic/ Fully automatic authentication

Checkpoint Smart Defense

- Tracking and alerting TCP/IP
- 3 way handshake
- SYN Defender
- SYN Relay Passive
- SYN Defender

VPN

- VPN Fundamentals
- Creating VPN tunnels
- Internet Key Exchange (IKE)
- ISAKMP Phase 1 (SA Negotiation)
- IPsec Phase 2 (SA Negotiation)
- AH and ESP headers
- Site to Site VPN using Pre-shared secret
- Site to Site VPN using Certificate Authority
- Site to Site VPN (Secure Remote)

Content Security

- Security Servers on the Firewall
- SMTP, HTTP and FTP traffic security
- The Content Vectoring Protocol (CVP Server)
- The URL Filtering Protocol (UFP Server)
- Filtering with UFP Server Filtering with CVP server

Miscellaneous

- Lightweight Directory Access Protocol
- Load Balancing algorithms
- Clustering of Firewall for Redundancy (Failover)

For more details, Please Call or Whatsapp +91-9884987719