PALO ALTO

CURRICULUM

Module 1: Platforms and Architecture
- Single Pass Architecture
- Flow Logic
- Designing your PAN in the Network

Module 2: Initial Configuration
- Initial Access to the PAN and Account Administration
- Overview of Dashboard and Configuration Management
- Licensing and Software Updates

Module 3: Interface Configuration
- Security Zones
- Layer2, Layer3, Virtual Wire and Tap
- Sub Interfaces and virtual routers

Module 4: IP Routing
- Static and Default Routing
- Routing with OSPF and BGP
- Policy Based Forwarding

Module 5: Security and NAT policies
- Security Policy configuration
- Filtering based on Protocol and Port
- Overview of Application Inspection
- Filtering based on Applications
- Creating Service Objects
- Creating Service Groups
- Testing Security Rules
- Network Address Translation (Source and Destination)

Module 6 : SSL Decryption
- Certificate management
- Creating and Installing Certificate
- Decryption policy
- Application database and Categories

Module 7: URL Filtering
- URL Filtering (Block and Continue)
- Custom Block page and URL Category

Module 8: File Blocking (Google Mail)
- Firewall Policy and Profile
- Decryption Policy
- Testing File Blocking
- Monitoring File Blocking
- Monitoring Decryption
- Testing when changing the file type

Module 9: Anti Virus
- Anti-Virus Profile and Firewall policy
- Decryption Policy
- Testing Anti-Virus Blocking (Non-Secure, Secure web pages)

Module 10: Site to Site VPN
- Configuring Site to Site VPN (Ipsec Tunnels)
- VPN configuration Between CISCO Router and Palo Alto

Module 11: User Identification using Active Directory (without an Agent)
- Configuration on Active Directory Domain Controller
- User Identification Configuration on PAN appliance
- Creating security policies
- Testing and Monitoring
- Considerations when using User-ID

Module 12: Captive Portal
- Review of LDAP profile and Authentication Profile
- User Identification
- Security and Captive Policies
- Testing and Monitoring
- Module 13: Management, Reporting and Logging
- Log Forwarding (SyslogServer) and SNMP
- Viewing Traffic Reports for top Talkers and Applications

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