Eduva Tech

PALO ALTO FIREWALL

SYLLABUS

Prepared For :
Eduva Tech

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Course Outline

NEXT-GENERATION SECURITY PLATFORM AND ARCHITECTURE

- Basic-Terminology of Firewall
- Introduction about Palo Alto Networks, Certifications, Next Gen Firewalls.
- Firewall Technologies
- About Palo Alto Networks
- what is SP3 Architecture

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VIRTUAL AND CLOUD DEPLOYMENT

- Install Palo Alto on VM
- Install Palo Alto on EVE
- Install Palo Alto in GNS3
- CLI-Commands
- Dashboard Tab

INITIAL CONFIGURATION

- PA Initial Configuration
- DNS & NTP
- Licenses and Updates
- Dynamic Updates
- Initial Working Lab
- Interface Mgmt
- Backup and Restore

INTERFACE CONFIGURATION

- Interfaces PA
- Firewall Zones
- Intro to Routing
- Virtual Routers (VR)
- VS Static Routing
- VS Default Routing
- RIP-Lab
- Securing Routing Protocols
- OSPF-Lab

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SECURITY POLICIES

- Security Policy Concepts
- Security Policy Basic Criteria
- Security Policy Action
- Shadows Rule
- View Rules by Tag Group
- Policy Optimizer

NAT POLICIES

- NAT-PA-Theory
- NAT Topology
- Source NAT Policy with Dynamic IP
- Source NAT Static IP
- Destination NAT Static IP
- Destination NAT Port Forwarding
- U-Turn-NAT

APP-ID

- APP-ID
- Application Window Details
- Application Shifts
- Dependent Applications
- Implicitly Use Applications
- Application Groups
- Application Filters
- Custom Application
- Application Override
- Application Updates

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CONTENT-ID

- Security Profiles-Intro
- Antivirus Profile
- Anti-Spyware Profiles
- Vulnerability Protection Profiles
- URL Filtering Profile
- File Blocking Profiles
- Security Profile Groups
- DoS Protection Profile
- Zone Protection Profile-Lab

WILDFIRE

- WHAT IS Wildfire
- WildFire Analysis Profile

USER-ID

- User-ID-Theory
- Captive Portal
- LDAP Integration

DECRYPTION

GLOBALPROTECT

- Remote-Access VPN GlobalProtect Theory and Lab.
- GlobalProtect

SITE-TO-SITEVPNS

- VPN Concept
- IPSec Protocols
- VPN-Lab

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MONITORING AND REPORTING

- Log Types
- Syslog Server
- NetFlow
- SNMP
- Packet-Capture
- ACC Tab

ACTIVE/PASSIVE HIGH AVAILABILITY

- WHAT IS High Availability
- Active/Passive High Availability Lab

NEXT-GENERATION SECURITY PRACTICES