



CCIE HUB

School of Networking
A Unit of Lan n Wan Technology



Palo Alto Firewalls

SYLLABUS

EXAM TOPICS – LAB EXAM

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Palo Alto Firewalls

- Platforms and Architecture
- Packet flow through the Palo Alto Firewalls
- Understand and configure Administration and Management
- Interface configuration L2, L3, Virtual wire and Tap, HA
- Layer 3 configuration mode
- Understand the concept of Virtual Routers and configuration
- Palo Alto Firewalls Security Policies
- Palo Alto Firewalls Network Configuration
- User ID Integration
- Configure Captive Portal to authenticate users
- Understand Captive Portal different methods including, redirection, transparent
- Palo Alto Firewalls NAT configuration
- Difference between NAT Source, Destination
- Dynamic routing protocols
- Redistribution and policies
- Security zones and traffic processing in Palo Alto Firewalls
- Understand Threat Prevention capabilities of the Palo Alto Firewalls
- Understand AntiSpyware, AntiVirus, IPS configuration
- Understand AntiSpyware
- Configure Palo Alto firewall AntiSpyware policy using example
- Understand how to configure wildfire
- Configure SSL Decryption

- **Understand how to prevent Split Brain situation with firewalls in Active / Passive HA**
- **Understand and Configure High Availability Active / Passive**
- **Configure VPN IPSec L2L tunnel on Paloalto Firewall with different scenarios**
- **Difference between IKEv1 and IKEv2 and how to deploy Palo Alto firewall with IKEv2 and the benefits**
- **Understand the difference between IKEv1 main mode and aggressive mode**
- **Global Protect (Remote Access VPN)**
- **Understand Panorama Concepts, device groups, templates, template stacks**
- **Virtual Wire Lab/Transparent Mode/ L2 Firewall**
- **Global Protect**

Panorama Centralize Manager & Palo Alto Integration

- **Components configured in a template**
- **How the order of templates in a stack affects the configuration push to a firewall**
- **Overriding a template value in a stack**
- **Configure variables in templates**
- **Relationship between Panorama and devices as pertaining to dynamic updates versions, policy implementation**
- **Device group hierarchies**
- **Identify what device groups contain**
- **Differentiate between different use cases for pre-rules, local rules, the default rules, and post-rules**