

FORTIGATE

PROFESSIONAL INDUSTRY TRAINING SYLLABUS

Master networking fundamentals
and build the skills needed to design,
implement, and troubleshoot
enterprise networks.



PROJECTS

REAL-WORLD
PROJECTS
TO BUILD PORTFOLIC
AND PRACTICAL
SKILLS.



HANDS-ON LABS

PRACTICAL LABS
WITH
STEP-BY-STEP
GUIDED EXERCISES.



INDUSTRY CERTIFICATIONS

PREPARE FOR
GLOBALLY
RECOGNIZED CLOUD
CERTIFICATIONS.T
O BUILD PORTFOLIC
AND PRACTICAL
SKILLS.



CAREER ROADMAP

STRUCTURED
ROADMAP
TO ACCELERATE YOUR
NETWORKING
CAREER.

- DESIGNED FOR FUTURE CLOUD ENGINEERS -



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FORTIGATE

1. Create LAB
2. Configures Interfaces
3. Configure Routes
4. Create Policies LAN_DMZ
5. Translation Theory
6. Dynamic NAT/PAT Source Translation
Dynamic PAT - 2 Ways > Using Outgoing int(WAN int Public IP),
Extra Single Public IP
7. Static NAT/PAT Destination Translation
-----Physical Lab Setup-----
Create Default Route at WAN_Zone with GW 192.168.1.1
8. Theory & Lab Application, App Override, sub-app, service Based Filtering
9. Virtual Wire (Transparent Firewall/ L2 Firewall, Bridge Mode)
10. Time Based Filtering
11. User Based Auth using Captive Portal
12. HA Active Standby
13. Site to Site VPN
IPsec IKEv1 & Ikev2 (Profile / Policy Based)
14. Loop back Int & Policy
15. Web Filtering
16. Packet Flow
17. Configure antivirus scanning modes to neutralize malware threats
18. Configure IPS to
19. SSL Decryption Policy
20. Dynamic Routing Protocol
21. DNS config
22. FSSO config AD Integration

PALOALTO

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PALO ALTO

NGFW-ENGINEER

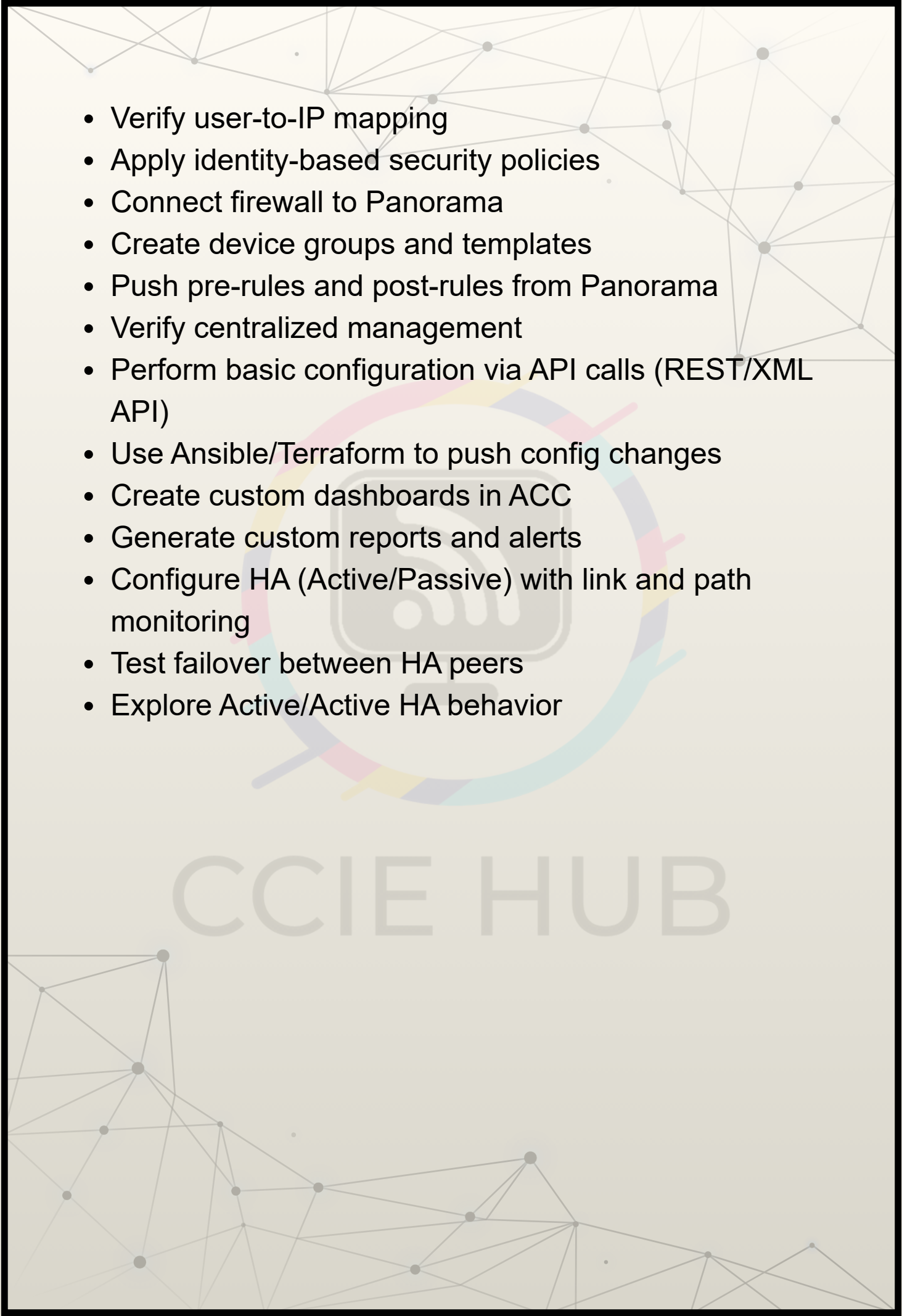
PALO ALTO NETWORKS NEXT-GENERATION FIREWALL ENGINEER

THEORY

- Platform & Architecture
- Packet Flow
- Key Features & Specifications
- Security components
- Firewall components
- Panorama components
- PAN-OS subscriptions and the features they enable
- Artificial intelligence operations (AIOps)/Telemetry
- Concepts of Interfaces (L2, L3, Virtual Wire, Tunnel, Aggregate Ethernet, Management interface)
- Zone architecture and segmentation
- High Availability (Active/Active, link and path monitoring concepts)
- Routing protocols and policies
- GlobalProtect (portal, gateway, authentication, split tunneling theory)
- IPSec VPN and GRE tunneling theory
- Authentication methods, roles, profiles, sequences
- Virtual Systems (VSYS) architecture, routing, inter-VSYS security

LAB

- Lab Setup
- Lab config
- Configure management interface & access (HTTPS/SSH/CLI)
- Initial device setup: hostname, admin users, license, updates
- Configure and verify Layer-3 interfaces
- Create zones and assign interfaces
- Configure security policies between zones
- Enable application visibility & App-ID in policies
- Test implicit vs explicit rules
- Configure static routes
- Implement dynamic routing
- Verify routing table and redistribution
- Configure GlobalProtect portal and gateway
- Add authentication profiles
- Test GlobalProtect VPN login & split tunneling
- Build IPsec site-to-site VPN tunnel
- Configure GRE tunnel and test connectivity
- Configure log forwarding profiles
- Certificates & Decryption
- Import root and intermediate CA certificates
- Configure certificate profiles
- Enable SSL Forward Proxy (decryption policy)
- Configure Forward Trust/Untrust certificates
- Test decrypted traffic inspection
- Configure User

- 
- Verify user-to-IP mapping
 - Apply identity-based security policies
 - Connect firewall to Panorama
 - Create device groups and templates
 - Push pre-rules and post-rules from Panorama
 - Verify centralized management
 - Perform basic configuration via API calls (REST/XML API)
 - Use Ansible/Terraform to push config changes
 - Create custom dashboards in ACC
 - Generate custom reports and alerts
 - Configure HA (Active/Passive) with link and path monitoring
 - Test failover between HA peers
 - Explore Active/Active HA behavior

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