

Firewall & Proxy Migration

Six live tracks. One weekend playbook. Companies hire you to move production without an outage - Palo Alto to Check Point, Check Point to Palo Alto, Bluecoat to Zscaler, Zscaler to another proxy, ASA to proxy, and on-prem NGFW to Azure Firewall.

Course fee Rs 25,000

40 live hours · 16 classes · Sat & Sun 9:00-11:00 PM IST
Workbook + six playbooks + MoP pack + Techclick certificate

Who this is for

- Firewall engineers replacing Palo Alto with Check Point - or the reverse.
- Proxy / SASE engineers moving Bluecoat (Symantec ProxySG) to Zscaler, or Zscaler to Netskope / Prisma / on-prem SWG.
- ASA / Firepower engineers told internet now goes to the proxy.
- Cloud / hybrid teams moving an on-prem NGFW edge into Azure Firewall.
- L2 / L3 engineers who must write a Method of Procedure, not a slide.

Prerequisites

- TCP/IP, routing, NAT, DNS and a working idea of a security policy.
- Comfort reading a rule, a NAT, a PAC file, or a config export.
- Helpful: one vendor course (Palo Alto, Check Point / ASA, or Zscaler). Both sides are not required.

Six migration tracks

Track	From -> To	What you must quote on the ticket
A1	Palo Alto NGFW -> Check Point	App-ID / User-ID / zones -> applications, Identity Awareness, layers, NAT, VPN
A2	Check Point -> Palo Alto NGFW	Layers, implied rules, hide NAT, VSX -> security rules, User-ID, VSYS, Panorama
B1	Bluecoat / Symantec ProxySG -> Zscaler	PAC, CPL, SSL intercept, auth, WCCP -> GRE / PAC / ZCC, URL, SSL, IdP
B2	Zscaler -> other proxy	ZIA forwarding + SSL + DLP -> Netskope, Prisma Access, or on-prem SWG
B3	Cisco ASA -> proxy	URL-filter, inspect, AnyConnect -> ZIA / ZPA / SWG. What stays on the ASA
C1	On-prem NGFW -> Azure Firewall	Hub-spoke, Firewall Policy, SNAT / DNAT, IDPS, TLS inspect on Premium

How we migrate (every track)

Prepare inventory · **Learn** object mapping · **Practice** dual-run a pilot · **Prove** weekend MoP, named rollback owner, 48-hour hypercare. Wrong migrations start with convert the config. Right migrations start with what must still work Monday morning.

Full syllabus - 16 modules

M1 Why migrations fail

Five failure modes. Inventory first. Pilot, dual-run, phased cutover, decommission. Write the one-page MoP before you type.

M2 Object-model translation

Zones vs layers vs VSYS/VSX. Port vs App-ID vs Check Point application vs URL category vs Azure application rule. User-ID vs Identity Awareness vs SAML. SNAT / DNAT / hide NAT / Azure SNAT.

M3 Palo Alto -> Check Point

PAN-OS / Panorama export. App-ID, User-ID, NAT, decryption, GlobalProtect, IPsec mapped to Check Point applications, Identity Awareness, layers, NAT, HTTPS Inspection. Residual-risk column.

M4 Check Point -> Palo Alto

SmartConsole / API export. Implied rules, ordered layers, hide NAT, VSX -> VSYS, Identity Awareness -> User-ID, HTTPS Inspection -> SSL Forward Proxy. What Expedition cannot verify.

M5 NAT, VPN, HA, decrypt

Shadow NAT, proxy-ID vs VPN community, HA flap, decryption exception list first. Identity and decrypt stay last.

M6 Dual-run and rollback

Pilot VLAN / PBR without a loop. Hit-count after 7 days. Rollback: default route, NAT, VPN, identity. Dummy ticket: finance cannot reach SAP.

M7 Bluecoat -> Zscaler

ProxySG, PAC, CPL, WCCP -> GRE / PAC / ZCC. URL, Cloud App, SSL CA, IdP / SCIM. What CPL will not map 1:1.

M8 Bluecoat advanced

ICAP / DLP / AV -> ZIA DLP + ATP. Bandwidth. PAC failover. When a small ProxySG stays as break-glass. Decommission WCCP, PAC URL, laptop cert.

M9 Zscaler -> other proxy

M&A and cost moves. Export forwarding, SSL, URL, DLP, IdP, PAC, ZCC, NSS. Targets: Netskope, Prisma Access, or on-prem SWG. Do not dump ZPA into a proxy.

M10 Cisco ASA -> proxy

ACL, NAT, inspect, URL-filter, AnyConnect. Internet off the ASA. What stays: site-to-site, DC east-west, inbound DNAT, OT. Inspect is not SSL intercept.

M11 On-prem NGFW -> Azure Firewall

Basic / Standard / Premium. Classic rules vs Firewall Policy. Network / application / DNAT collections. UDR, SNAT private ranges, forced-tunnel return path.

M12 Azure Firewall Premium + coexistence

TLS inspection, IDPS, easy SKU change. On-prem NGFW still owns branches / VPN. App Gateway WAF vs Firewall. NSG is not a replacement. Logs to Sentinel.

M13 What Azure Firewall cannot replace

No App-ID / User-ID / GlobalProtect. Decision table: Firewall only / Firewall + NGFW / Firewall + SASE.

M14 Cutover weekend

T-7 freeze, T-1 pilot sign-off, T0 cut, T+2 hypercare. Go / no-go. Rollback in 15 minutes. War-room board for top 20 apps.

M15 Interview and RFP language

90-second answers for each track. Weak vs strong. Practice desks: Palo Alto, Check Point, Zscaler, Azure interview hubs.

M16 Capstone + certificate

Pick one track. Submit inventory, mapping, dual-run, MoP, rollback. 30 judgment MCQs + one broken-cutover ticket. Techclick certificate.

Labs

Lab	You produce
1 PA <-> Check Point	20-rule PAN-OS export mapped both ways. Unused objects dropped. Residual-risk column.
2 Bluecoat -> ZIA	PAC rewritten. 15 CPL rules mapped. SSL exception list. One IdP test user on ZCC.
3 Zscaler -> other proxy	One department PAC on Netskope / Prisma / on-prem SWG. SSL CA swap. URL parity.
4 ASA -> proxy	Internet off the ASA. AnyConnect still up. ACL / NAT / VPN leftover list.
5 Azure Firewall	Ten on-prem rules become a Policy. Spoke UDR. SNAT from a test VM. Premium TLS note.
6 Capstone MoP	Weekend change for your track. Go / no-go, named rollback owner, 48-hour hypercare.

Fee, exam map and certificate

Rs **25,000** is one price for live classes, recordings, workbook, six playbooks, interview practice and the Techclick Infosec completion certificate. Vendor exam vouchers are separate. Concept map only: Palo Alto NGFW Engineer / Network Security Professional, Check Point CCSA / CCSE topics, Zscaler ZDTA migration items, Microsoft AZ-500 Azure Firewall.

What you get

Live + recorded 40 hours · **Workbook** six playbooks, PAC templates, Azure Policy examples · **MoP pack** cutover / rollback / hypercare · **Exam map** NGFW Engineer, CCSA/CCSE, ZDTA, AZ-500 · **Certificate** Techclick Infosec after the capstone.

Official references and related syllabi

Palo Alto + Expedition · Check Point docs · Broadcom ProxySG · Zscaler ZIA/ZPA · Cisco ASA · Azure Firewall / Premium / Change SKU · Netskope · Prisma Access. Check the vendor date before class. Related Techclick pages: Palo Alto NGFW · Check Point / ASA / FTD · Zscaler ZIA+ZPA · SASE Combo · Azure Security (AZ-500) · Netskope SSE.

Enroll - Rs 25,000

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