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**Summary:**

* Around 7+ years of Extensive experience in Networking and Security, including hands-on experience in providing network support, installation and analysis for a broad range of LAN/WAN/MAN communication systems in IT, Finance, Oil & Gas and Retail domain.
* Experience with network security design implementation Assessment, evaluation, design, and implementation of solutions related to following security areas: Large corporate firewall extranets, mail, Internet, internal enclave, PCI and Industrial control systems.
* Hands on experience with Azure cloud services, Virtual networks and storage accounts.
* Firewalls deployment from scratch to migrating them and updating F5 appliance and managing them.
* Configuring of F5 devices such as LTMs, GTMs, EMs, Firepass and ASM.
* Worked on F5 Local Traffic managers (LTM), Global traffic manager (GTM) of series 8900, 6400, 6800, 3400, 5100 and 3600.
* Deep understanding on Palo Alto & Cisco firewalls with administrative experience across various network security platform utilizing security tools.
* Security appliance, Failover DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design.
* Experienced Checkpoint Firewall, Security and Network Administrator routing and switching.
* Extensive experience in installing Maintaining and troubleshooting Palo Alta and checkpoint Firewalls.
* Strong knowledge base and Worked with F5 Load balancing, IDS/IPS, Bluecoat proxy servers and Administrating.
* Experience with Blue Coat URL filtering with whitelisting and blacklisting URL, creating rules for content filtering.
* Implemented security policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS).
* Fundamental understanding of F5 load balancer technologies including APM, ASM and BIG IP technologies.
* Migrations from Cisco, Juniper to Palo Alto firewalls.
* Experience in adding and maintaining security-based policies to different vendor firewalls like checkpoint, Palo Alto and Cisco.
* Experience in configuring, implementing and troubleshooting F5 load balancer in the enterprise network.
* Provided services with SIEM tools and applications with best security practices to customer by implementing with Splunk, SolarWinds, Symantec and QRadar Technologies.
* Supporting the SIEM product - Splunk ES for Enterprise client (Big Data analytics solution/Business Intelligence tool).
* Conducted security investigations into customer incidents using Splunk and QRadar under NOC & SOC hybrid environment.
* As the Security Engineer/Technical Lead, working and leading projects on the SOC team.
* Hands on experience in configuring Cisco Catalyst 2960, 3750, 4500, 6500 and Nexus 3000, 5000, 6000, 7000 series switches and Cisco 2600, 2800, 3600 series routers, Load Balancers & Cisco Firewalls.
* Working Experience with Active Directory Components (AD Users and Computers, DNS, DHCP and WINS etc.).
* Extensive Knowledge in IPSEC VPN design connection and protocols, IPSEC tunnel configuration, encryption and integrity protocols on Palo Alto firewall as well as cisco ASA and checkpoint.
* Knowledge of virtual firewalls like checkpoint VSX, IDS, IPS as well as encryption techniques.
* End point security for malware detection and threat analysis using Tanium and Sophos.
* Configure and troubleshoot Remote access and site to site-in Checkpoint & Palo alto firewall
* Excellent working knowledge of TCP/IP protocol suite and OSI layers.
* In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM, Summarization and ARP, reverse & proxy ARP and Ping Concepts
* Proficient on IPS, IDS, Tripwire tools for solving the issues and 24x7 monitoring.
* Configuring BGP/OSPF routing policies and designs, worked on implementation strategies for the expansion of the MPLS VPN networks.
* Good knowledge and experience in Installation, Configuration and Administration of Windows Servers, Active Directory, FTP, DNS, DHCP, TFTP, Linux OS under various LAN and WAN environments.
* Efficient at use of Microsoft VISIO/Office for technical documentation and presentation tools.
* Creating security alerts, reports, and security posture dashboard.
* As the Splunk - SME, responsible for deploying /configuring /administrating Splunk ES for Enterprise client.

**Technical Skills:**

**Operating Systems:** Windows (XP- 8.1), Windows Server (2008, 2012), Linux/Unix familiarity (CLI skills)

**Firewalls:** Palo Alto – 7k, 5k, 3k & 2k, Check Point R65, R75.20, R75.45 (Gaia), R76, R77, Cisco PIX 515E, Cisco PIX 535 Firewall, Cisco ASA, Cisco FWSM, Cisco ASA, Juniper, Checkpoint provider 1, Checkpoint Firewall 1, SPLAT

Knowledge of wireless technologies (GSM, GPRS, WAP, Cellular Technology, Bluetooth)

**Routers/Switches**: Cisco 1600, 1700, 1800, 2500, 2600, 3600, 4000, 6000, 7206.

**Protocols:** OSI, TCP/IP, DHCP, UDP, RIP v1, RIP v2, IGRP, EIGRP, OSPF, BGP, SSH, TFTP, FTP, SMTP, NTP, LDAP, Active Directory, L2F, L2TP, PPP, Blue Coat, Frame Relay, ATM, Fast/Gig Ethernet, HSRP, ISDN, AAA, DES, 3DES, AES, and MD5, VPN (IPsec and SSL), VRRP, HSRP, DNS, SNMP.

**Security Tools:** Wireshark, Symantec, Nexpose (VM insight), Security center, Splunk SIEM, Palo Alto IDP , Azure Cloud security, NMAP, Wireshark, Splunk, SourceFire, Fire Eye, Cisco SourceFire Defense Center, Voyence.

**Cloud:** Azure, AWS

**Professional Experience:**

**Chevron Corporation, Houston, TX July 2016 – Present**

**Network Security Engineer**

* Responsible for Palo Alto and Cisco administration across global network.
* Policy development and planning on IT security support and administration under hybrid NOC & SOC environment.
* Experienced migrating and managing instances from on premise environment to Azure cloud. Creating and managing storage accounts in Azure portal.
* Hands on experience with migrating instances to Azure from on premise.
* Experienced working with Azure web applications, Azure storage, and virtual machines.
* Deployed, configured and managed several applications on azure utilizing Azure stack.
* Designed Network security groups in Azure for maintaining and monitoring Inbound and outbound connections.
* Implemented high availability using Azure Resource manager deployment models.
* Created Azure storage pools for Azure virtual machines. Backup and restore Azure virtual machines using Azure backups.
* Performed monitoring and console for several SIEM tools and applications.
* Led the effort to remediate more than 900 firewalls that includes Cisco and Palo Alto High security, PCN and Extranet firewalls ensuring that 100 percent compliance is maintained, incident-handling and maintenance of various security products and its infrastructure.
* Conduct pre audit as a part of leading team on firewalls for any risky applications and vulnerabilities.
* Palo Alto design and installation (Application and URL filtering, Threat prevention, Data Filtering).
* Experienced working on vulnerability scanners and web applications testing tools such as Wireshark and NeXpose.
* Performed Threat vulnerability management scans through Nexpose and Algosec.
* Initiating service requests and tickets for open and active issues with Nexpose.
* Updating, Upgrading and maintaining several Vulnerability management tools.
* Worked on all Palo Alto Networks Firewall models (PA-2k, PA-3k, PA-5k & PA-7k series) as well as a centralized management system (Panorama) to manage large scale firewall deployments.
* Part of a team responsible for deployments, implementations, administration, service requests, Tier 2/3 escalation support/ticket resolution, configurations, and troubleshooting in an enterprise LAN/WAN environment for datacenters, corporate, and WAN links.
* Led a team to implement Zone Based Firewalling and Security Rules, threat implementation and applying signatures on the Palo Alto Firewall.
* Manage and monitor Active Directory services and group policies.
* Implemented F5 load balancer configurations, including migrating configurations from Cisco CSS to F5 load balancer and general troubleshooting of the F5 load balancers.
* Led the team of engineers for Firewall migrations from Cisco to Palo Alto and monitoring and documenting changes.
* Worked on security levels with RADIUS and TACACS+.
* Deploying and supporting CASB applications.
* Strong Experience with DLP (Data loss prevention) policy between CASB and network DLP to improve policy uniformity and consistency.
* Monitored network utilizing various tools such as Splunk and Qradar for optimum traffic distribution and load balancing using F5 and Solar winds.
* Support the implementation and ongoing operations of network access control devices to include firewalls, web proxies, and SSL VPN devices.
* Managed the F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs
* Provide Tier II Load Balancer expertise on F5 BigIP Local Traffic Managers (LTM). Designing F5 solutions/support for migration work of applications and websites from Cisco CSS Load Balancers to the F5 BigIP Load Balancers.
* Troubleshooting firewall access related issues between servers in the DMZ and behind firewall for 3rd party connectivity as well as routing and switching in the network.
* Managed the F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs.
* Configure and troubleshoot Remote access and site to site-in Checkpoint & Palo Alto firewall.
* Configure IPSEC VPN tunnels between Checkpoint and other non-Checkpoint endpoint devices using IKE pre-shared keys, 3DES and MD5.
* Implemented enterprise-wide network infrastructure and ecommerce support solutions including, network intrusion detection, encryption and monitoring.
* Performed business migration planning including location change, platform introduction and integration.

**Forsythe, Chicago, IL July 2015 –June 2016**

**Network Security Engineer**

* Translate User requests into firewall change requests and update firewall policy using smart dashboard and verify the connectivity with users.
* Auditing of checkpoint firewall, preparation of network diagram using Visio.
* Provide security engineering for VSX implementation in checkpoint environment
* Installation, Configuration and Troubleshooting of Checkpoint, Juniper and Cisco ASA firewalls
* Identified opportunities for implementation of network best practices, particularly F5 load balancer implementations
* Created a matrix for each application and listed the type of environment it is with best usage of ASM.
* Professional responsible for design review, engineering, deployment, administration, documentation, escalation support and analysis in an enterprise LAN/WAN environment for datacenters, corporate, WAN links, and branch offices.
* Led a team to provide configuration and management support for Cisco ASA and Checkpoint Firewalls (R75, R76, and R77).
* Created automated reports within QRadar to help aid investigation efforts.
* Creating and managing the users, groups, GPO in the Active Directory.
* Added servers to Active Directory and LDAP server.
* Working with Checkpoint firewalls version R76 & R77.20.
* Administration and configuration of Check Point (R75.40) firewall polices, day-to-day network security support for external clients.
* Configuring & managing Network & Security Devices that includes Cisco Routers & Switches, Nexus Switches, Juniper and Palo Alto Firewalls, F5 BigIP Load balancers, Blue Coat Proxies and Riverbed WAN Optimizers
* Managed F-5 LTM, GTM, APM, ASM Administration, creating virtual servers, mapping pools, iRules and Profiles. SSL traffic offloading, also managed PCI Security Audit with F5 ASM
* Updating and Upgrading the ESX and ESXi servers using VMware update manager.
* Set up VPN policy and routes on Checkpoint Firewall and Cisco Firewalls. Constructed tunnel between Expedia and Orbitz network.
* Creating a priority list of what type of attacks to focus on vs. what can be accomplished and identifying timeline on how to accomplish all the functionality ASM can provide.
* Administering multiple Firewall, in a managed distributed environment and knowledge on SIEM tools like Qradar.
* Deployed specialized multicast feeds to POP centers (ASM, and SSM)
* Black listing and White listing of web URL on Blue Coat Proxy server
* Configuring rules and Maintaining Palo Alto Firewalls & Analysis of firewall logs using various tools.
* VLAN and Port channel configurations on Cisco 4500 and 6500 series switches.
* Installation and administration of Cisco 2800, 3800, 7200 series Routers.
* Coordinate with network operations center for change notifications, alerts & escalation of security incidents.

**Capital One, Richmond, VA Sep 2014 – June 2015**

**Network Security Engineer**

* Configuration and troubleshooting L3 switches with VLAN, STP, SPAN, ETHERCHANNEL, HSRP, VRRP and GLBP
* Assisted in troubleshooting complex layer 1, 2 and 3 connectivity using WireShark protocol analyzer and recommended solution for better performance
* Upgrading checkpoint security gateways in cluster with minimal downtime.
* Working with Cisco ISE / FWSM
* Planning, design, implementing and troubleshooting on Checkpoint and Cisco ASA Firewall.
* Managing F-5 LTM, GTM, APM, ASM Administration, creating virtual servers, mapping pools, iRules and Profiles. SSL traffic offloading, also managed PCI Security Audit with F5 ASM.
* Configuring HA on checkpoint security gateways using cluster XL and VRRP.
* Worked on security tools and software such as CISCO WSA, Qualys, Splunk, Solar winds, Source fire, SIEM
* Palo Alto design and installation which includes Application and URL filtering Threat Prevention and Data Filtering.
* Blue Coat Web Proxies - ProxySG, Proxy AV, Content Analysis System, PacketShaper, Threat Detection ProxyCAS, Director, Reporter
* Worked with the custo mer and ASM engineering to improve maintenance procedures and techniques in order to optimize equipment performance.
* Monitor devices in Netcool and Event Manager
* Worked primarily as a part of the security team and daily tasks included firewall rule analysis, rule modification and administration.
* Adding and removing checkpoint firewall policies based on the requirements of various project requirements.
* Implemented Positive Enforcement Model with the help of Palo Alto Networks.
* Administer Checkpoint firewalls with cluster gateways including pushing policies and processing user requests to allow access through the firewall using Smart Dashboard and identify unused rules and schedule change to mark it for permanent deletion at later point of time.
* Configuration and implementation of Check Point Firewalls, IDS/IPS, Bluecoat Proxy, CISCO ASA.
* Checkpoint Firewall Log review and analysis and troubleshoot connectivity issues.
* Working with Cisco Catalyst/Nexus/UCS/MDS, and F5’s including ASM’s
* Perform SSL Offloading on LTMs and web accelerators with 2048-bits VeriSign certificates. Also, renewing certificates to ensure the security of websites.
* Maintained high availability of resources with F5 BIG-IP load balancer based on different load balancing.
* Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls.
* Configuration and troubleshooting of Firewalls ASA 5520, ASA 5510, Nokia Check Point VPN1 NGX R55/R65/R70.
* Managed and maintained various web content filtering solutions including Web Sense and Blue Coat.
* Provided proactive threat defense with ASA that stops attacks before they spread through the network.
* Cisco ASA/Checkpoint Firewall troubleshooting and policy change requests for new IP segments that either come on line or that may have been altered during various planned network changes on the network.
* Migrated Cisco ASA firewall to next generation Palo Alto firewalls
* Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP IPv4/IPv6 and configured IP access filter policies.

Troubleshoot on security related issues on Cisco ASA/PIX, Checkpoint and IDS/IPS.

**Hackers' Security Technologies, India Nov 2010 –Sep 2012**

**Network Engineer**

* Provided estimated bandwidth requirements for data replication, to best determine adequate timing for migration service levels.
* Configuration of various Cisco Routers & L2/L3 Switches and implementing OSPF and BGP on the routers.
* Monitored network for optimum distribution and load.
* Supported core network consisting of Cisco 7200 series routers running multi area OSPF.
* Installed and configured protocols like TCP/IP and Internet protocols on WAN network.
* Configuring, managing and troubleshooting networks using routing protocols like RIP, EIGRP and OSPF (Single Area and Multi Area).
* Assisted with troubleshooting all network issues with routers and switches when necessary and consulted with on Call tech as needed for client.
* Monitor Routers and Internet Connectivity.
* Implement network monitoring tool for monitoring servers, routers other network resources.
* Adding and deleting users and granting user level.
* Resolving VPN &MTU issues.
* Resolving Network Problem related to connectivity and assessing resources.
* Responsible for ensuring each reported problem is resolved in timely manner.
* Patching all Windows servers and workstations with Company standards.