**Summary:**

* Extensive work experience with Cisco Routers, Cisco Switches, Load Balancers and Firewalls.
* Expert in configuration of Virtual Local Area Networks VLANS using Cisco routers and multi-layer Switches and supporting STP, RSTP, PVST, RPVST along with trouble shooting of inter VLAN routing and VLAN trunking using 802.1q.
* Experience deploying BIG-IP F5LTM Load Balancers for load balancing and traffic management of business application.
* Experience in designing MPLS VPN and QoS for architecture using Cisco multi-layer switches.
* Supporting EIGRP and BGP based PwC network by resolving level 2 3 problems of internal teams external customers of all locations.
* Experience of routing protocols like EIGRP, OSPF, RIP, and BGP, MPLS/VPN
* Experience on Cisco 7600, Cisco 6500, Cisco 4503, Cisco 3750, Cisco ASA, Juniper NSM, Juniper ISG1000, Juniper IDP and Bluecoat SG cashing and web filtering
* Strong hands on experience on PIX 506, 515, 525, 535 , ASA 5505/5510 Firewalls. Implemented

security policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA TACACS RADIUS .

* Proficient in configuring and managing various Cisco networking technologies including Nexus 7k, ASR, ISR routers, and Virtual Switching System (VSS).
* Experienced in designing and deploying multicast protocols such as PIM and IGMP on Juniper devices for efficient content delivery.
* Skilled troubleshooter of complex switching issues on Cisco switches using diagnostic tools.
* Extensive experience with Cisco ASR, ISR routers, and Check Point IPS Geo-Protection for securing networks.
* Expertise in configuring and managing MPLS L3VPN services for secure interconnectivity.
* Implemented Nexus 9k APIC for policy-based network automation.
* Strong background in Cisco routing solutions and enhancements like STP for network stability.
* Proficient in configuring and managing network management tools such as Cisco DCNM and Check Point Logging.
* Skilled in deploying BGP routing protocols for traffic optimization and scalability.
* Implemented various security measures including Check Point Anti-Bot, Anti-Virus, and F5 SSL VPN for secure access.
* Experienced in network automation using tools like Ansible, Python, and Terraform.
* Proficient in cloud technologies such as Azure Load Balancer, AWS EC2, and VPC.
* Skilled in wireless networking technologies including Cisco ClientLink and Aruba Spectrum Analysis.
* Strong knowledge of scripting languages like Python for automation tasks.
* Implemented various security measures including Palo Alto GlobalProtect and URL Filtering.
* Extensive experience in deploying and managing AWS services like Elastic Beanstalk.
* Proficient in inventory management and targeting network devices using Ansible.
* Provided assistance to the service organization to ensure that all defined service management activities are completed to required time scales and quality checkpoint firewall.
* Skilled in F5 technologies such as SSL offloading and Web Acceleration for improved performance.
* Experienced in deploying wireless technologies like Aruba AirGroup and WIPS for security.
* Well-versed in configuring Nexus switches and Juniper switching solutions.
* Knowledge of Multi - vendor platforms such as Cisco, Checkpoint, Fortinet, F5, Bluecoat (Web/Socks proxy), McAfee Web Gateway.

**Skill Matrix:**

| **Category** | **Platforms** |
| --- | --- |
| Networking Devices | Cisco Routers, Cisco Switches, Load Balancers, Firewalls, Cisco ASA, Cisco 7600, Cisco 6500, Cisco 4503, Cisco 3750, Juniper NSM, Juniper ISG1000, Juniper IDP, Bluecoat SG, Nexus switches, Nexus 7k, ASR, ISR routers, Check Point IPS Geo-Protection, Nexus 9k APIC, Aruba AirGroup, Aruba WIPS |
| Routing Protocols | EIGRP, OSPF, RIP, BGP, MPLS/VPN, STP |
| Security | ACL, IPSEC, SSL, VPN, IPS/IDS, AAA TACACS RADIUS, Check Point Anti-Bot, Anti-Virus, Palo Alto GlobalProtect, URL Filtering, Check Point Endpoint Security |
| Network Management | Cisco DCNM, Check Point Logging, Ansible, Python, Terraform, Azure Load Balancer, AWS EC2, VPC, AWS services (Elastic Beanstalk), inventory management |
| Wireless Technologies | Cisco ClientLink, Aruba Spectrum Analysis |
| Scripting Languages | Python |
| Cloud Technologies | Azure Load Balancer, AWS EC2, VPC, Elastic Beanstalk |
| F5 Technologies | BIG-IP F5LTM Load Balancers, F5 SSL VPN, SSL offloading, Web Acceleration |
| Multicast Protocols | PIM, IGMP |

**Professional Experience**

**Hyatt,IL**

**Senior Network Engineer**

**May 2022- Till date**

**Responsibilities:**

* Configured and managed Nexus 7k Enhanced Interior Gateway Routing Protocol (EIGRP) for dynamic routing.
* Skilled in troubleshooting complex switching issues on Cisco switches using various diagnostic tools and methodologies.
* Configured and managed Cisco Virtual Switching System (VSS) for creating a single logical switch with redundant control planes.
* Provided technical support and training to end-users and IT staff on RUCKUS connectivity and best practices.
* Worked on the implementation of branch routers such as Juniper MX80, MX104, EX4500 switches and perform JUNOS upgrades.
* Migration of NiSource electric company’s legacy WAN network to SD WAN with virtual firewalls on WAN routers.
* Configured, managed, and optimized F5 load balancers to ensure high availability and efficient traffic distribution.
* Configured and managed TCP/IP settings for network devices to ensure reliable communication across the network.
* Deployed and configured Prisma Access to extend secure access to remote users and branch offices.
* Extensive experience with Cisco ASR and ISR routers, including configuration of Cisco IOS and IOS-XE for routing functionality.
* Experience in Cisco Routing and Switching using 3600, 3700, 3800, 5300, 6500, 7200, 7600Nexus 7k, Nexus 5k, Nexus 2k& ASR 9000, 1000 series routers, Meraki products.
* Installation and administration of Checkpoint R 75.40, R80 Firewall.
* Expertise in configuring and administering Juniper NetScreen ISG 1000 series, Branch SRX (550,650) and Datacenter SRX (3k, 5k series) Firewalls.
* Implemented Nexus 9k Application Policy Infrastructure Controller (APIC) for policy-based network automation.
* Proficient in designing, implementing, and troubleshooting Cisco routing solutions across diverse network infrastructures.
* Proficient in configuring Cisco Catalyst 2900,2960, 3560, 3750, 4500, 4900, 6500 series and Nexus 2248, 5548 and 7010 switches.
* Implemented Cisco Spanning Tree Protocol (STP) enhancements such as PortFast and BPDU Guard for network stability and security.
* Implemented Nexus 9k Data Center Network Manager (DCNM) for centralized management and monitoring.
* Configured Check Point Logging and Monitoring features for centralized logging and reporting of security events.
* Skilled in deploying BGP routing protocols on Cisco routers to optimize traffic distribution and enhance network scalability.
* Design expertise for the SD WAN(Versa), SD LAN and WAN optimization technologies for efficient delivery of the application data across LAN and WAN.
* Worked on the SD-WAN implementations Confidential all Greenfield and Brownfield medical

facilities/hospitals by deploying Meraki hardware.

* Configured and managed Nexus 7k Overlay Transport Virtualization (OTV) for data center interconnectivity.
* Implemented Check Point Anti-Bot and Anti-Virus software blades to detect and prevent malware infections.
* Migrating applications from cisco ACE/CSM to F5LTM, and GSS configurations to F5 GTM wide-ip's.
* Profound working knowledge of administration and management of Palo Alto firewalls using centralized Panorama M-100 and M-500 devices.
* Analyzed wireless traffic patterns and conducted capacity planning to support high-density environments with RUCKUS solutions
* Configured F5 security features such as Web Application Firewall (WAF) and Distributed Denial of Service (DDoS) protection.
* Experience in configuring, troubleshooting and deploying of various IP Routing Protocols (RIP, EIGRP, OSPF and BGP) on both Cisco and Juniper devices.
* Experienced in implementing Cisco Adaptive Wireless IPS (WIPS) for detecting and mitigating wireless security threats.
* Experience on Cisco 7600, Cisco 6500, Cisco 4503, Cisco 3750, Cisco ASA, Juniper NSM, Juniper ISG1000, Juniper IDP and Bluecoat SG cashing and web filtering
* Strong hands on experience on PIX 506, 515, 525, 535 , ASA 5505/5510 Firewalls. Implemented security policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA TACACS RADIUS .
* Allocation and designing appropriate virtual IP for F5 ADC through IPAM InfloBox.
* Implemented Azure Load Balancer for distributing incoming network traffic across multiple VMs for high availability.
* Managed Prisma Access policies to enforce security controls and access permissions.
* Provided training and support to team members on TCP/IP protocol configurations and best practices.
* Configure, Manage and Monitor Palo Alto firewall models (Specifically the PA-5050 and the PA-5260).
* Skilled in deploying Cisco ClientLink for improving client performance and connectivity in dense wireless environments.
* Worked extensively with multiple wireless hardware vendors including Cisco, Cisco Meraki.
* Skilled in utilizing Python libraries such as Paramiko and Netmiko for SSH-based network automation and configuration scripting.
* Implemented Cisco Wireless Mesh Networking for extending Wi-Fi coverage in outdoor and challenging environments.
* Conducted regular performance assessments and tuning of F5 load balancers to ensure optimal performance and reliability.
* Integrated RUCKUS networks with other network infrastructure components, such as switches and routers, to create a cohesive networking environment.
* Implement advanced Palo Alto Firewall features like URL filtering, User-ID, App-ID, Content-ID on both inbound and outbound traffic.
* Expertise in configuring switching protocols such as ARP, VTP, PPP, VLAN, STP, RSTP, PVST+, HSRP, GLBP, VRRP and Routing Protocols such as RIP, OSPF, BGP, EIGRP, IS - IS, MPLS and SD WAN.

**Hackensack Meridian,NJ**

**Senior Network Engineer**

**Jun 2019 – Apr 2022**

**Responsibilities:**

* Configured and managed Cisco Multicast protocols such as PIM and IGMP for efficient content delivery across networks.
* Monitored Prisma Access performance and security metrics to ensure optimal functionality.
* Worked on Nexus platform 7010, 5K series (5548, 5020 and 5010) and FEX (2248, and 2232) and deployed VPC, VDC and OTV and successfully implemented VSS on the Cisco catalyst switches.
* Designed and deployed F5 iRules LX for advanced traffic manipulation and application-layer scripting.
* Configured and optimized Check Point IPS policies to mitigate network-based threats and vulnerabilities.
* Aruba 802.11ac wireless access points deliver superb Wi-Fi performance, Aruba 330 series, 501 wireless client bridge, 7220, 7010 MOBILITY CONTROLLER.
* Solution design included multi-region meshed hub to hub routing across regional DC’s – SD WAN controller disaster recovery between two DC.
* Integrated F5 load balancers with various network and application environments for seamless operation.
* Designed and implemented TCP/IP-based networks to ensure efficient and reliable communication.
* Actively participating in Ansible training and certifications to deepen expertise in automation methodologies and best practices, driving continuous improvement in network automation capabilities.
* Deployed Palo Alto firewalls using Confidential NSX through L2 and L3 interfaces on models such as VM-300, VM-500, and VM-1000-HV.
* Extensive experience with AWS EC2 (Elastic Compute Cloud) for scalable and flexible virtual machine deployments.
* Stayed current with advancements in RUCKUS wireless technologies to ensure network competitiveness.
* Designed and deployed AWS VPC (Virtual Private Cloud) for isolated network environments within the AWS cloud.
* Integrated Prisma Access with existing network infrastructure to enhance security and user experience.
* Implemented Juniper Link Aggregation Groups (LAGs) for increased bandwidth and improved redundancy.
* Configure Cisco 4500 routers, 2900 switches, Cisco 5500(WLC) & Wisms2, 3800 2900 switches, Aruba 7200 3600s (Cisco, Aruba, & Ruckus AP’s).
* Developed Python scripts for automating repetitive network operations such as device provisioning, configuration backups, and firmware upgrades.
* Regular upgrade and maintenance of Infrastructure, Installing, configuring, and maintaining Cisco Switches (2900, 3500, 7600, 3700 series, 6500 series) Cisco Routers (4800, 3800, 3600, 2800, 2600, 2900, 1800, 1700, 800 Nexus 7k,5k & 2k, f5 BIG IP, Palo Alto Firewalls.
* Proficient in configuring and managing Juniper Secure Tunnel Interface (STI) for secure point-to-point connectivity.
* Configured routers, switches, and other network devices to support TCP/IP communications.
* Troubleshoot IPSEC overlay connectivity from SD WAN appliance to Versa SD WAN controllers via Internet, MPLS and WBS transports.
* Conducted performance testing and validation of new RUCKUS equipment and solutions.
* Skilled in deploying AWS Elastic Beanstalk for easy and scalable deployment of web applications.
* Implemented F5 SSL offloading to improve server performance and simplify SSL certificate management.
* Skilled in utilizing Ansible's inventory management features to dynamically group and target network devices based on attributes such as location, role, or operating system.
* Implemented F5 iHealth for proactive monitoring and diagnosis of F5 BIG-IP system health.
* Implemented Aruba AirGroup for seamless integration and sharing of Apple AirPlay and AirPrint services.
* Proficient in configuring Aruba WIPS (Wireless Intrusion Prevention System) for detecting and mitigating wireless security threats.
* Implemented security measures such as IPsec, SSL/TLS, and VPNs to protect data transmission over TCP/IP.
* Good knowledge of CISCO NEXUS data center infrastructure wifi 5000 and 7000 series switches includes (5548, 7010) including CISCO NEXUS Fabric Extender (223, 2248).
* Implemented Cisco BGP Communities to simplify routing policy management and improve network efficiency.
* Skilled in deploying Juniper Ethernet Ring Protection (ERP) to provide fast convergence and resilient network topology.
* Provided training and support to network teams on F5 load balancer deployment and management.
* Enterprise experience wifi Nexus models like 7K, 5K, 2K series.
* Developed a roadmap and migration plan for SD-WAN solution deployment globally in conjunction with internal support teams.
* Proficient in designing, implementing, and optimizing Juniper switching solutions in diverse network environments.
* Configured and managed various TCP/IP protocols including DHCP, DNS, HTTP, FTP, SNMP, and SMTP.
* Skilled in configuring Check Point Endpoint Security for comprehensive endpoint protection and compliance enforcement.

**Jefferies, NY**

**Network Engineer**

**Sep 2016 - May 2019**

**Responsibilities:**

* Configured and optimized multicast routing protocols such as PIM and IGMP on Nexus platforms.
* Implemented Nexus Fabric Path for scalable and efficient Layer 2 multipathing.
* Designed and deployed Cisco Policy-Based Routing (PBR) to control routing decisions based on defined policies and criteria.
* Provided detailed reports and documentation on Prisma Access usage, performance, and incident response.
* Implemented Juniper Route Reflectors and Confederations to scale BGP deployments and improve network performance.
* Having experience in the field of Networking (Security, Routing, Switching and SD WAN).
* Designed and implemented Juniper Layer 3 Virtual Private Network (L3VPN) solutions to facilitate secure connectivity.
* Proficient in deploying Juniper Private VLANs (PVLANs) to restrict communication between devices within the same VLAN.
* Coordinated with vendors and suppliers to evaluate and procure RUCKUS wireless products and services.
* Designed and deployed F5 Web Acceleration for optimizing web application performance and reducing latency.
* Created and maintained documentation for F5 load balancer configurations, procedures, and best practices.
* Proficient in designing, implementing, and managing Check Point Next-Generation Firewalls (NGFWs) in complex network environments.
* Extensive experience with Check Point Security Management Server (SMS) for centralized policy management and configuration.
* Designed and implemented Palo Alto Security Profiles including antivirus, anti-spyware, and file blocking to prevent malware infections.
* Skilled in configuring Palo Alto SSL Decryption to inspect and control encrypted traffic for improved security posture.
* Skilled in deploying F5 iControl REST API for automation and orchestration of F5 BIG-IP configurations.
* Designed and deployed Cisco AVC (Application Visibility and Control) for identifying and prioritizing application traffic on wireless networks.
* Configured and managed AWS CloudWatch for monitoring and logging of AWS resources and applications.
* Actively staying updated with the latest Python developments and best practices in automation, continuously refining skills to drive efficiency and innovation in network operations.
* Provided training and support to junior network engineers and IT staff on TCP/IP protocols and configurations.
* Expertise in configuring switching protocols such as ARP, VTP, PPP, VLAN, STP, RSTP, PVST+, HSRP, GLBP, VRRP and Routing Protocols such as RIP, OSPF, BGP, EIGRP, IS - IS, MPLS and SD WAN.
* Contributed to Ansible Galaxy by developing and sharing reusable Ansible roles and playbooks, fostering community collaboration and knowledge sharing.
* Proficient in using Terraform to define and provision cloud infrastructure resources and services across multi-cloud and hybrid environments, including AWS, Azure, and Google Cloud Platform (GCP).

**Mizuho, CA**

**Network Consultant**

**Apr 2014 – Aug 2016**

**Respomsibilities:**

* Configured and optimized Layer 1 protocols including VLANs, VTP, STP, OSPF, and BGP on Nexus platforms.
* Expertise in configuring and managing MPLS L3VPN services on Cisco platforms for secure and scalable interconnectivity.
* Migration of NiSource electric company’s legacy WAN network to SD WAN with virtual firewalls on WAN routers.
* Configured Juniper Virtual Chassis technology to enhance network resilience and simplify management tasks.
* Designed and implemented Cisco Virtual Switching System (VSS) for creating a single logical switch with redundant control planes.
* Implemented Check Point Security Management Portal (SMP) for simplified management and monitoring of security policies.
* Configured Palo Alto Panorama Device Groups and Template Stacks for efficient management of firewall configurations.
* Configured F5 IP Intelligence (formerly IP Intelligence Service) for threat intelligence-based IP blocking and filtering.
* Design expertise for the SD WAN(Versa), SD LAN and WAN optimization technologies for efficient delivery of the application data across LAN and WAN.
* Configured and managed Cisco Wireless Guest Access for secure and scalable guest Wi-Fi services.
* Proficient in configuring and managing Azure Virtual WAN for optimized and automated branch-to-branch connectivity.
* Implemented guest Wi-Fi networks using RUCKUS SmartZone Guest Access with appropriate access controls and bandwidth management.
* Contributed to open-source Python projects related to network automation, collaborating with the community to enhance functionality and usability.
* Hands-on experience architecting and deploying SD WAN solutions (Meraki, Velocloud, Viptela).
* Designed and deployed Ansible-driven CI/CD pipelines for automating the deployment and testing of network infrastructure changes, ensuring rapid and reliable delivery.

**DXC, India**

**Network Engineer**

**June 2013 – Mar 2014**

**Responsibilities:**

* Designed, implemented, and maintained Nexus 9k and 7k series switches in large-scale data center environments.
* Implemented Cisco Performance Routing (PfR) to intelligently optimize network traffic and enhance application performance.
* Proficient in implementing policy-based routing (PBR) on Juniper routers for granular traffic control and routing policy enforcement.
* Experienced in implementing Check Point SandBlast for advanced threat emulation and extraction capabilities.
* Engaged in continuous professional development to maintain a high level of expertise in RUCKUS networking solutions.
* Experienced in implementing Palo Alto Panorama Log Forwarding for centralized logging and analysis of firewall events.
* Designed and deployed F5 Virtual Servers to abstract and manage application resources efficiently.