

Network Engineer Network Engineer Network Engineer - DELLEMC/Progressive Insurance Over 7 years of experience in Networking and Security, including hands-on experience in providing network installation, network integration, network support, and analysis for a broad range of LAN/WAN/MAN communication systems. Expertise in configuring and troubleshooting Layer 3 Interior Gateway Routing protocols such as Link-State routing protocols (OSPF and IS-IS) and Distance Vector routing protocols (RIPv1, RIPv2 and EIGRP). Working experience in configuring and administration of Checkpoint, Palo Alto, Juniper SRX & Netscreen firewalls to manage large scale firewall deployments Hands on experience in implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST. Implementation of HSRP, VRRP for Default Gateway Redundancy and also implementation of PPP, HDLC, PAP, CHAP. Expertise in installing, configuring, and maintaining Cisco Switches (2900, 3500, 7600, 3700 series, 6500 series) Cisco Routers (4800, 3800, 3600, 2800, 2600, 2900, 1800, 1700, 800). Worked with Cisco Layer 3 switches 3750, 4500, 6500 and Cisco Nexus 2248, 5548, 6001 and 7018 in multi VLAN environment with the use of inter-VLAN routing, 802.1Q trunk, ether channel Hands on experience in configuring Cisco Nexus 2232, 2248, 5548, 6001 and 7018(Sup 2E) and worked on nexus protocols VPC, VRF, VDC and FEX Links 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 knowledge in troubleshooting of DNS, DHCP and other IP conflict problems. Good knowledge and Experience on Bluecoat proxy server SG and ITIL framework. Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration. Worked on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability. Experience with hardware load balancer administration and support, preferably with F5 and Cisco ACE load balancers. Expertise in creating groups and pruning traffic flow using VLAN, VTP, ISL, 802.1Q. Good knowledge on Bluecoat proxy server, Knowledge of advanced technologies like VOIP, H.323, SIP, QOS, Multicasting, 802.11x wireless technology, MPLS and MPLS-VPN Worked on Cisco IOS for configuration & troubleshooting of routing protocols: OSPF, EIGRP, RIP, BGP v4. Working

knowledge in configuring and supporting site-to-site and remote access Cisco, IPSec, VPN solutions using ASA/PIX firewalls, Cisco and VPN client. Extensively worked on Juniper models EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210 and SRX240. Configuring virtual chassis for Juniper switches EX-4300, firewalls NS 5200. Configuring and testing Multicast for both IPv4 and IPv6 routing in Data Environment. Working knowledge of configuring BGP/OSPF routing policies and designs, worked on implementation strategies for the expansion of the MPLS VPN networks. DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design. Some knowledge in documentation and updating client's network documentation using Visio. Familiar with REMEDY, Service-now & JIRA for ticket change management process.

Work Experience

Network Engineer DELLEMC/Progressive Insurance - Cleveland, OH January 2019 to Present

Responsibilities: Planning, installing, configuration and troubleshooting of networking infrastructure including routers and configuring end to end BGP sessions. Experience in working with Cisco Nexus Switches like 9000 and Virtual Port-Channel configuration. Implemented VPC, VRF and OTV on the Nexus 9348 and 9310-YC switches and 9508 switches. Implemented Zone Based Firewalls and Security Rules on the Palo Alto Firewall. Supported Blue Coat Proxy in explicit mode for users trying to access Internet from Corp Network. Configure all Palo Alto Networks Firewall models (PA-2k, PA-3k, PA-5k etc.) as well as a centralized management system (Panorama) to manage large scale Firewall deployments. Extensive experience in configuring and implementing OSPF and BGP. Implemented BGP using Route filters to communicate with primary datacenter. Experience Installing, configuring, Troubleshooting Cisco Nexus 9508, 9348-FXP, 2332-TQ FEX, 93180-YC models in datacenter. Experience with configuring Nexus 2000 Fabric extender(FEX) which acts as a remote line card(module) for several ACI switches Datacenter. Configured VLANs on a switch for inter-VLAN communication. Configured VLAN Trunking Protocol (VTP) on Core Switches. Advanced implementation and consultation on all F5 Networks BIGIP platform network modules (incl. LTM, GTM). Hands-on experience with upgrading/downgrading operating system for Nexus 9K, F5 LTM, GTM. Installed high availability Big IP F5 LTM and GTM load balancers to provide. Implementing F5 BIG-IP application delivery controllers for load

balancing using Virtual servers, rules and iApps. Provided application level redundancy and availability by deploying F5 load balancers LTM. In data center environment configured F5 LTM and GTM load balancer as a server where GTM dynamically resolve VIPs and provided to LTM server. Conversions to BGP WAN routing. Which will be to convert WAN routing from OSPF to BGP (OSPF is used for local routing only) which involves redistribution. Configured Cisco Nexus 9K, 5K, 3K and ASR 1001 routers at client locations. Paloalto 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. Palo Alto design and installation (Application and URL filtering, Threat Prevention, Data Filtering). Configured OSPF within the network and EBGP as EGP and advertised routes according to the customers. Configuring EBGP route filters, prefix-lists to manipulate the traffic to the customers. Strong knowledge on networking concepts like TCP/IP, Routing and Switching. Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls. Audited Firewalls, Switches, Load balancers and Routers for security threats and implemented corrective measures to eliminate the risk. Implemented Zone Based Firewalling and Security Rules on the Palo Alto Firewall. Troubleshoot line card issues on daily basis depending on the alarms on the Chassis. Hands-on experience configuring TACACS+ on Network devices (Cisco Nexus, Palo Alto, Open gear, Riverbed, Gigamon). Extensive experience taking copy of Cisco NX-OS, TFTP server and loading back on Nexus 9K and Palo Alto firewalls. Exposure to Network devices like Riverbed ARX, Netprofilers, Infoblox, Gigamon, Garland. Used to raise tickets and work with Cisco TAC in case of devices hardware issues. Documented all the work done by using Visio, Excel & MS word. Network Administrator Charter Communications - Charlotte, NC March 2017 to December 2018 Responsibilities: Hands on and exposure to Juniper SRX, Netscreen & PaloAlto firewalls on a regular basis. Configured and maintained IPSEC and SSL VPN's on Pulse SecureFirewalls. Implemented Zone Based Firewalling and Security Rules on the PaloAlto & Juniper Firewall. Created security system rules and opened ports as per the user request. Created Firewall policies and NAT rules to provide access for websites internal and externally on PaloAlto and Juniper Firewalls. Configured VPN tunnels on Juniper security system

clusters and tested tunnel negotiations. Experience working with Network security manager (NSM) to access the Juniper Firewall. Worked on Juniper Net Screen Firewalls such as SSG5, ISG1000.

Worked with Junos Space to control all the Juniper devices in the network and made a documentation on working of Junos Space Experience in managing Active Directory, DNS and DHCP Servers and handy experience in coordinating releases, build deployments. Worked closely with our NOC on monitoring all servers, applications, network devices and connections along with customer traffic, using specific custom built tools. Palo Alto design and installation (Application and URL filtering, Threat Prevention, Data Filtering) Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls Implemented NAT solutions on WAN applications and troubleshoot NAT issues on VPN's. Experience in deployment of Bluecoat as proxy and firewall solution to provide secure and optimum access of web service. Rolled out migration projects of vendor data-center equipment from unsupported Netscreen devices to SRX. Upgraded JUNOS and NX-OS with minimal or no downtime by shifting traffic to redundancy devices. Migrated from Juniper SRX firewalls to Palo Alto firewalls platforms PA-5000, series (5060/5050/5020). Troubleshoot and hands on experience on security related issues on Cisco ASA and Palo Alto firewalls Administering multiple Firewall of Juniper / NetScreen, in a managed distributed environment. Fulfilling routine change requests of Net Screen OS Firewall and resolving trouble tickets, maintain and monitoring firewalls. Established IPsec -VPN tunnels with ASA firewall and Cat 7200 between some branch offices and the headquarters Firewall technologies including general configuration, risk analysis, security policy, rules creation and modification of Check Point firewall Implemented new device of Cisco & Juniper as per policy reviewed by network architect Configured MPLS core using LDP protocols and troubleshooting end-to-end label issues Configured MPBGP between the provider edge routers and VPNv4 between them. Used to scan ports time to time and restrict them according to the company policies Interacts with major ISP's regarding the routing issues and troubleshoot the issues using ISP's looking glass Configured ibgp with in the network and ebgp as EGP and advertised routes according to the customers Closely worked with DNS team in order to shift traffic from one POP to other Implement Cisco Secure Access Control Server (ACS) for

TACACS+ RADIUS. Extensive experience taking copy of Cisco IOS, Netscreen OS on TFTP server and loading back on routers and firewalls. Troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF & BGP Network Engineer T-Mobile - Bellevue, WA October 2015 to February 2017 Responsibilities: Experience working with Cisco Nexus 2148 Fabric Extender and Nexus 7010 5000 series to provide a Flexible Access Solution for datacenter access architecture. Configured Cisco Nexus 9K,5K,3K and 2960 XR switches and 4331 and ASR 1001 routers at client locations Racking, Stacking, configuring, Nexus 5K and 2K and 7K, Port Channel fabric interface connection, configuring a Fabric Port Channeling, VRRP, vlans, SVI's. Managed fast Layer 3 switched/routed LAN/WAN infrastructure as a part of Network team. The LAN consisted of Cisco campus model of Cisco 3550 at access layer, Cisco 6513 at distribution/core layer. Supported core network consisting of Cisco routers running multi area OSPF. Troubleshooting the issues with Nexus switches regarding peer keep alives, peer link's and member ports to the servers and eliminating the blackhole traffic Knowledge with F5 load balancers - LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability Performed load balancing and application level redundancy by deploying F5 BIG-IP LTM 3900 Basic and advanced F5 load balancer configurations, LTM, GTM, including migrating configurations from Cisco ACE to F5 and general troubleshooting of the F5 load balancers Dealt with creating VIP(virtual servers), pools, nodes on F5. Best practice implemented on Cisco & Juniper devices of access, aggregation and core Experience working with frame relay, MPLS services, OSPF, BGP and EIGRP routing protocols, NAT, sub-netting, also including DNS, LDAP, DHCP, HTTP, HTML, HTTPS, TCP/IP, UDP, SNMP, OSPF, RIP, IPSEC, PPTP, VLAN,WISM, STP (Spanning tree Protocol), RTSP & Multicasting protocols Configured DMVPN with IPSEC on it and eigrp as IGP protocol. Troubleshoot routing issues on Cisco 7600, 7200VXR and Juniper QFX 5100 Deploying and decommission of VLANs on Nexus 7K, 5K and its downstream devices Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms. Provided proactive threat defense with ASA that stops attacks before they spread through the network. Deployed

Nexus switches 2248, 5548, 7018 and implemented features like FEX Links, VPC. Implementing, Monitoring, Troubleshooting and Convergence in Frame-Mode MPLS inside the core and troubleshooting VRF and MPLS VPN issues Managed fast Layer 3 switched/routed LAN/WAN infrastructure as a part of Network team. The LAN consisted of Cisco campus model of Cisco 3550 at access layer, Cisco 6513 at distribution/core layer. Experience in installing, configuring and troubleshooting juniper switches EX2200, EX2500, EX3200 and EX4200 series Configuring virtual chassis for Juniper switches EX-4200 and firewalls NS 5200 Configured policy based routing on WAN links as per company requirement. Configured various LAN switches such as CISCO CAT 2900, 3550, 4500, 6509 switches for STP, VTP Domain, VLAN, Trunking, Fast Ether Channel configuration Configured and implemented centralized Syslog server on both production and corporate network and enable SNMP traps for monitoring traffic and check the health of servers and network devices Extensive experience taking copy of Cisco IOS on TFTP server and loading back on routers and switches Network Engineer Morgan Stanley - Brooklyn, NY October 2014 to September 2015 Responsibilities: Worked extensively on IGP and EGP protocols which include OSPF, EIGRP, EBGp and IBGP. Worked on OSPF in different architecture environments which includes broadcast network, point to point and also configured stubs, NSSA, virtual links. Configured IPsec VPN's site to site using ESP protocol and route map's. Configured DMVPN between offices with hub and spoke architecture using NHRP protocol and configured DMVPN phase-3. Configured Cisco ACS for authentication, authorization and accounting and also configured local AAA services on Cisco devices. Configured and maintained IPsec and SSL VPN's on Palo Alto firewalls. Experience in working with Virtual Private Networks VPN's on Cisco ASAs with AnyConnect, Cisco Client for authentication, as well as site to site VPN Worked on Cisco ISR's & CSR, Cisco Switches (Cisco 3560, 3850, 3750-X, 4500, 6500), Cisco ASA's, Meraki AP's Configured Cisco routers running 15.3M5 for thick client ssl VPN's configuring webvpn gateway, webvpn context, policy groups and linking it to Cisco ACS for AAA. Configured Clientless ssl VPN's for direct web access. Configured Juniper SRX firewalls creating address books, zones and security policies. Worked on Cisco ASA firewall configuring inside, outside, DMZ zones

Configured transparent firewall using BVI and routed mode ASA firewall Worked on deep packet inspections with capture and packet tracer in ASA firewall Worked on configuring different contexts on ASA firewalls and creating classes and allocating resources For troubleshooting firewall related packet drops and reachability issues, Checkpoint's Smart Tracker Configured of ACL's in Cisco 5520 ASA firewall for internet Access requests for servers, Protocol Handling, Object Grouping and NAT. Involved in knowledge transfer to vendors and provided them network support as required

Configuration and management of NEXUS network in the existing network infrastructure Worked with datacenter operations on the circuits that were down and fixed those circuits. Worked on different monitoring tools in the company to check the traffic and errors on the circuits Experience working with service providers if there is an issue with ISP.

Network Administrator Life Insurance Corporation of India April 2012 to September 2014 Responsibilities: Designed and Implemented Cisco UCS pods in Nexus 7000 and Cisco 6500 Platform Creating Virtual IP address, Pools and Persistence profiles on F5 LTMs Configurations of load balancing in F5, SSL/VPN connections, Troubleshooting CISCO ASA firewalls, and related network security measures. Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration. Setup and configured Citrix Branch Repeater and Netscaler 10 with Access Gateway load balancing. Configuration 7609, 7606 with OSPF and catalyst 6505, 4500, 3550 switches with various VLAN Checking and configuring Cisco 7600 routers at data center for remote sites' issues. Configuring and Maintaining TACACS+ for AAA Worked on Aruba Wireless LAN Implementation for 11n Infrastructure Across the Corporate Network Use INFOBLOX grid master for coordinating and synchronizing data and configurations across other appliances which are designated as INFOBLOX grid members.

Worked on Cisco Layer 2 switches (spanning tree, VLAN). WAN Infrastructure running OSPF & BGP as core routing protocol. Support various Routers like 2600/3600/7200 series routers.

Responsible team member to install and configure DDI services [DHCP, DNS and IP Add. Management] using INFOBLOX in existing network Played a supporting role in the expanding the dual band wireless N and 802.1X to all remote sites. Worked on Cisco Layer 2 switches (Spanning Tree, VLAN, QOS) Implemented ACLs and authenticated (EIGRP, BGP) to ensure high security

on the network. Network Administrator Tata Motors - IN April 2011 to March 2012 Responsibilities:

Configuration of various Cisco Routers & L2/L3 Switches and implementing OSPF and BGP on the routers Provided Load balancing solutions to clients for using F5 Load balancers. Implemented redundancy in BigIP F5 loads balancers to provide uninterrupted services to clients. Configured and edited policies on F5 network access control. Used Agilent as Network analyzer, INFOBLOX and also worked with Wireshark for packet sniffing Experience with Juniper Netscreen 520M Firewall and Palo Alto network firewall Implemented various OSPF scenarios on networks consisting of 7600 routers Checking and configuring Cisco 7600 routers at data center for remote sites' issues. Configured the Cisco router as IP Firewall and for NATing Configured RSTP, MST and used VTP with 802.1q trunk encapsulation Systems monitoring and maintenance, resolution and troubleshooting using INFOBLOX Responsible team member to monitor different DNS attacks using INFOBLOX Integrated VoIP with PSTN and set up voice Gateway ensuring QOS for Cisco based Voice over IP and CDR for voice call Accounting Used DHCP to automatically assign reusable IP addresses to DHCP clients Demonstrated the migration benefits from HSRP to GLBP. Successfully upgraded the existing network to GLBP for high availability and load balancing between distribution layer switches Negotiate VPN tunnels using IPSec encryption standards and also configured and implemented site-to-site VPN, Remote VPN Education Bachelor's

Name: Christopher Jackson

Email: williamsfrancisco@example.org

Phone: (938)543-2509