

Muhammad S

Sr. Network Engineer

Dallas, TX - Email me on Indeed: [indeed.com/r/Muhammad-S/31c5b1ef03b2d14c](https://www.indeed.com/r/Muhammad-S/31c5b1ef03b2d14c)

- 10+ years of experience in Cisco/Juniper Networking, Security which includes designing, Deployment and providing network support, installation and analysis for a broad range of LAN / WAN protocols.
- Performing troubleshooting on slow network connectivity issues, and Performance on F5 and Cisco ASA Firewalls.
- Deploying and decommissioning Cisco switches/Firewalls and their respective software upgrades.
- Hands on experience in Installing and Configuring Palo Alto PA-3060 Firewalls to protect Data Center.
- Implemented Positive Enforcement Model with the help of Palo Alto networks
- Configure outbound web flow policies on Palo Alto devices
- Implemented Palo Alto solution for remote and mobile users and for analyzing files for malware in a separate (cloud-based) process that does not impact stream processing.
- Hands on experience in Configuring VPN, routing, NAT, access-list, security contexts, and failover in ASA firewalls.
- Maintained TACACS+/RADIUS Servers for AAA authentication and User authentication.
- Provided VPN services to site-to-site and, Remote access VPNs using IPSec tunneling.
- Work with IP for any vulnerabilities /ACLS and remediate as needed.
- Provided routine status updates on work performed and interpretation of security implications from performed events.
- Experience with Firewall Administration, Rule Analysis, Rule Modification
- Experience on Check Point GAIA R77. Environment consisted of 30+ Check Point firewalls and performed configuration, troubleshooting, and maintenance.
- Worked on, groups, and updating access-lists and responsible on Check Point Firewall, apply static, hide NAT using smart dashboard.
- Performed upgrades for all IP series firewalls from previous Check point versions (R75.40, R75.40VS, R75.45, R75.46, R75.47, R76, R77) to R77.10
- Troubleshoot and resolve firewall software and hardware issues including VPNs, connectivity issues, logging, cluster configurations, hardware installations
- Experience in converting Check point VPN rules over to the Cisco ASA solution. Migration with both Check point and Cisco ASA VPN experience.
- Setting up MPLS Layer 3 VPN cloud in data center.
- Implemented all standard and non-standard ISDN and IP-VPN changes to company customer support connections.
- Responsible for administrating Bluecoat and dealing with policies for user access like Blocking/Unblocking URL's.
- Worked on ASA routed mode and transparent mode.
- Worked on ASA 5500-x platform configuring the ACLS, NAT policies and AnyConnect VPN's
- Upgraded the Cisco ASA firewalls from version 8.6 to 9
- Negotiate VPN tunnels using IPsec encryption standards and, also configured and implemented Site to Site VPN and remote VPN.
- Performing the ACL requests change for various clients by collecting source and destination information from them
- Work with application team and Information security for ACL renewals and ACLS aging.
- Hands on Experience on IPAM tool used for periodical scans a subnet and provides the availability status of IP addresses in that subnet.

- Worked on T1/E1/T3 technologies and different LAN & WAN technologies, FTP, TFTP and DHCP configuration and setup
- Design, configure and debug Data Center cloud Network traffic with ESXI hosts, using APIs/tools DCM, DFA Data Server using Nexus N9K, N7K, N6K, N5K/ & N2K (Fex)
- Worked on datacenter migration of existing PIX firewall to ASA firewall, PIX OS upgrade from 6.3 to 7.0.
- Worked extensively on Cisco ASA [...] Series, experience with convert datacenter PIX rules over to the Cisco ASA solution
- Worked on the datacenter environment, with routers and switches
- Build customer Data center setup in Cisco by using Nexus Switches such as: [...] N7K, N5K, N6K, N2K and connect EXSI Hosts, using Linux kernel to reproduce and debug Customer issue and configure network/share resource and setting security parameters, firewalls, etc
- Experience with setting up MPLS Layer 3 VPN cloud in data center and also working with BGP WAN towards customer
- Experience working with 2600, 2900, 3600, 3900, 7200, 7600, 9396 series Cisco Routers.
- Hands On experience Cisco IOS/IOS-XR/NX-OS, Juniper JUNOS for configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS.
- Strong knowledge of TACACS+, RADIUS implementation in Access Control Network.
- Extensive work experience with Cisco Routers, Cisco Switches, Load Balancers and Firewalls.
- Experience working with Cisco Nexus 2148 Fabric Extender and Nexus 7010, 5000 series to provide a Flexible Access Solution for a datacenter access architecture
- Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
- Responsible for Check Point (Secure Platform R70) and Cisco ASA firewall administration across global networks.
- Extensive implementation of firewall rules on Juniper SRX 3400 and NetScreen 5500 on a daily basis, using CLI.
- Hands on experience in troubleshooting of inter-VLAN routing and VLAN Trunking using
- 802.1Q. Implemented gateway redundancy with HSRP and GLBP
- Excellent / Advanced understanding of Cisco Unified Contact Center Express & Developing and maintaining applications.
- Experience with UCCX scripting, Cisco collaboration and Unified Communication portfolio.
- Experience with Cisco Video & Routing and switching in Cisco environment.
- Hands on experience on Cisco Unified Communications Manager, Cisco Unity Connection, Cisco Contact Center Enterprise
- Knowledge of the following Protocols: SIP, MGCP, H.323, SCCP.
- Strong knowledge of TACACS+, RADIUS implementation in Access Control Network.
- Knowledge of 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.
- Experience in testing Cisco routers and switches in laboratory and deploy them on site production.
- Outstanding experience in designing and configuring of Layer 2 / 3 networking features such as VLAN, ISL, STP, VTP, 802.1X, Port Security, L2PT and SPAN
- Experience configuring multi-link point-to-point circuits for combining T1 circuits for speeds of T1 to OC3
- Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design.
- Knowledge in preparing Technical Documentation and presentations using Microsoft VISIO/Office.
- Worked on MPLS while ensuring secure networking, improving the network performance by prioritizing network traffic and allocating bandwidth according to usage and service requirements.
- Worked on Multicast to use the bandwidth more effectively while reducing the load on the sender.
- Knowledge of WAN Optimization Technology, Riverbed.

- Excellent customer management/resolution, problem solving, debugging skills and capable of quickly learning, effectively analyzes results and implement and delivering solutions as an individual and as part of a team.

Authorized to work in the US for any employer

WORK EXPERIENCE

Sr. Network Engineer

Citi Group - Irving, TX - June 2014 to Present

Responsibilities:

- Performing troubleshooting on slow network connectivity issues, and Performance on F5 and Cisco ASA Firewalls.
- Deploying and decommissioning Cisco switches/Firewalls and their respective software upgrades.
- Hands on experience in Installing and Configuring Palo Alto PA-3060 Firewalls to protect Data Center.
- Implemented Positive Enforcement Model with the help of Palo Alto networks
- Configure outbound web flow policies on Palo Alto devices
- Implemented Palo Alto solution for remote and mobile users and for analyzing files for malware in a separate (cloud-based) process that does not impact stream processing.
- Hands on experience in Configuring VPN, routing, NAT, access-list, security contexts, and failover in ASA firewalls.
- Implementation of firewall rules on Juniper SRX 3400 and NetScreen 5500 on a daily basis, using CLI.
- Maintained TACACS+/RADIUS Servers for AAA authentication and User authentication.
- Provided VPN services to site-to-site and, Remote access VPNs using IPSec tunneling.
- Work with IP for any vulnerabilities /ACLS and remediate as needed.
- Provided routine status updates on work performed and interpretation of security implications from performed events.
- Experience with Firewall Administration, Rule Analysis, Rule Modification
- Experience on Check Point GAIA R77. Environment consisted of 30+ Check Point firewalls and performed configuration, troubleshooting, and maintenance.
- Worked on, groups, and updating access-lists and responsible on Check Point Firewall, apply static, hide NAT using smart dashboard.
- Performed upgrades for all IP series firewalls from previous Check point versions (R75.40, R75.40VS, R75.45, R75.46, R75.47, R76, R77) to R77.10
- Responsible for implementing, supporting, and maintaining 24x7 network services.
- Coordinated efforts with Engineer's to ensure all network devices conformed to defined network standards.
- Configured and troubleshooting HSRP, BGP, OSPF, EIGRP, MPLS WAN, QoS and Route Maps.
- Configured and maintaining Cisco 9396, 7200, 3548, 4400, 5000 and 6500 platforms.
- Troubleshoot connectivity issues involving VLAN's, OSPF, QoS etc.
- Support, monitor and manage the IP network.
- Build customer Data center setup in Cisco by using Nexus Switches such as: N9K, N7K, N5K, N6K, N2K and connect EXSI Hosts, using Linux kernel to reproduce and debug Customer issue and configure network/share resource and setting security parameters, firewalls, etc
- Experience in Data Center process of Migration and responsible for smooth transferring of existing configuration to operating environment
- Experience with setting up MPLS Layer 3 VPN cloud in data center and also working with BGP WAN towards customer
- Experience configuring multi-link point-to-point circuits for combining T1 circuits for speeds of T1 to OC3.
- Migrated to Juniper EX series switches from Cisco 3500 series and 6500 series switches

- Experience with moving data center from one location to another location, from 6500 based data center to Nexus based data center
- Work MPLS, VPN, 6VPE, VRF-Lite and IPv4 / IPv6 Supported Routing protocol such as: (RIP, OSPF, EIGRP, BGP, ISIS, Static etc) in different Cisco IOS releases on 6500 switch and NEXUS (N7K, N6K,N5K) Releases
- Basic and advance F5 load balancer configurations, including migrating configurations from Cisco ACE to F5 and general troubleshooting of the F5 load balancers
- Prepared and maintained documentation using MS Visio
- Excellent / Advanced understanding of Cisco Unified Contact Center Express & Developing and maintaining applications.
- Experience with UCCX scripting, Cisco collaboration and Unified Communication portfolio
- Worked on Cisco Unified Communications Manager, Cisco Unity Connection, Cisco Contact Center Enterprise.
- Supporting Cisco contact Center in a call center environment, Worked on Voice gateways and Routers, Cisco Cube, SIP Gateways.
- Experience with Cisco Video & Routing and switching in Cisco environment.
- Knowledge of the following Protocols: SIP, MGCP, H.323, SCCP.
- Experience with configuring Nexus 5000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 7000.
- Performance monitoring of various applications and web servers to maintain quality of service and network stability.
- Implement a process to authorize system access based on need-to-know in PCI network.
- Successful Deployment of AWS for client and also involved in migration process.
- Experience to configure AWSSEC2 and Iamp..
- Implement strong user authentication and Physically secure systems and network devices in PCI.
- Maintained core switches, creating VLAN's and configuring VTP.
- Designed IP Addressing schemes, VLAN tables and Switchport assignments, Trunking and Ether-channel implementation.
- Strong experience in Network Security using ASA Firewall, Checkpoint, Palo Alto, Cisco IDS/IPS and IPSEC/SSL VPN, F5 BIGIP Load Balancer
- Experience to configure DNS Change requests and administration leased time.
- Experience with DNS/DHCP/WINS Standardizations and Implementations.
- Provided service and 3rd level escalation support for DNS, Internet Email, global server load balancing (F5 3DNS and GTM), local network load balancing F5 LTM, web and ftp proxies, VPN, and other network related solutions.
- Experience with F5 load balancers and Cisco load balancers (CSM, ACE and GSS).
- Gained hands on experience with VLSM, STP, VTP, VLAN Trunking.
- Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and PALO ALTO rules.
- Configuring rules and Maintaining PALO ALTO Firewalls & Analysis of firewall logs using various tools.
- Installed and set up Cisco routers and switches according to deployment plans.
- Applied access lists and NAT configurations based on implementation guidelines.
- Managed and developed network projects designed to strengthen network continuity and deploy security elements in an attempt to meet and exceed contract requirements, including system analysis and troubleshooting.
- Change management, monitoring network performance with network tools.
- IP Distribution for existing devices and new devices as they were added.
- Performed maintenance on equipment as necessary, performing device upgrades, modification of configurations, password changes and diagnostic testing.

- Deployed a large-scale HSRP solution to improve the uptime of collocation customers, in an event where a core router became unreachable.
- Responsible for maintenance of multiple CheckPoint-1 firewalls on NT environment
- Worked with vendors and Engineering team to test new hardware and procedures.
- Prepared and maintained documentation using MS Visio.
- Basic and advanced F5 load balancer configurations, general troubleshooting of the F5 load balancers.
- Route configuration and point code checks for System Technician and Network Technician.
- Knowledge and experience of 802.11 a/b/g/n Ethernet standard for wireless Technology.
- Worked with other team members in testing of the network architecture.
- Implemented, configured redundancy protocols HSRP, VRRP, GLBP for Default Gateway Redundancy.
- Implementing, configuring, and troubleshooting various routing protocols like RIP, EIGRP, OSPF and BGP etc.
- Upgrade multiple Checkpoint firewall and NG on distributed NT environment. And manage network security policies which include access control, NAT, content security and authentication.
- Performing network monitoring, providing analysis using various tools like WireShark, Solarwinds etc.
- Responsible for Cisco ASA firewall administration, Rule Analysis, Rule Modification.
- Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500.
- Experience in migration of VLANs.
- Primary responsibility is to design and deploy various network security & High Availability products like Checkpoint, Cisco ASA other security products
- Installed various network hardware including concentrators, bridges, and hubs to establish communication connections with remote locations.

Environment: Cisco4400/7200/3900/7600 Routers, Cisco3650, 6800/6500/3560 Switches, Nexus 9k/7k/5k RIP, OSPF, BGP, EIGRP, LAN, WAN, CISCO ASA 5500, HSRP, VRRP, GLBP, VLAN, QoS, Wireshark, Solarwinds.

Sr. Network Engineer

- February 2013 to May 2014

Key Responsibilities:

- Troubleshoot and resolve firewall software and hardware issues including VPNs, connectivity issues, logging, cluster configurations, hardware installations
- Experience in converting Check point VPN rules over to the Cisco ASA solution. Migration with both Check point and Cisco ASA VPN experience.
- Setting up MPLS Layer 3 VPN cloud in data center.
- Implemented all standard and non-standard ISDN and IP-VPN changes to company customer support connections.
- Responsible for administrating Bluecoat and dealing with policies for user access like Blocking/Unblocking URL's.
- Worked on ASA routed mode and transparent mode.
- Worked on ASA 5500-x platform configuring the ACLS, NAT policies and AnyConnect VPN's
- Upgraded the Cisco ASA firewalls from version 8.6 to 9
- Negotiate VPN tunnels using IPsec encryption standards and, also configured and implemented Site to Site VPN and remote VPN.
- Performing the ACL requests change for various clients by collecting source and destination information from them
- Work with application team and Information security for ACL renewals and ACLS aging.
- Hands on Experience on IPAM tool used for periodical scans a subnet and provides the availability status of IP addresses in that subne

- Responsible for entire company network infrastructure that includes Cisco Switches, Routers, Firewalls, Access Points, Servers and PBX.
- Involved in design and implementation of Data Center Migration, worked on implementation strategies for the expansion of the MPLS VPN networks
- Worked on configuration commissioning and upgradation of the MPLS circuits for various branch offices.
- Worked on MPLS while ensuring secure networking, improving the network performance by prioritizing network traffic and allocating bandwidth according to usage and service requirements.
- Experience configuring multi-link point-to-point circuits for combining T1 circuits for speeds of T1 to OC3.
- Design, configure and debug Data Center cloud Network traffic with ESXI hosts, using APIs/tools DCM, DFA Data Server using Nexus N7K, N6K, N5K/ & N2K (Fex)
- Deployment and support of Nexus Switches, UCS, Fabric Path (Trill) to forward Layer 2 and Layer 3 Packet from Classical Ethernet to Fabric Path mode
- Work and debug Hardware /Software Forwarding Table in packet drop with Layer 3 Routing Table with equal / non-equal load balance and Layer 2 adjacency table
- Configured Site to Site IPsec VPN tunnels to peer with different clients and each of client having different specifications of Phase 1 and Phase 2 policies using Cisco ASA 5500 series firewalls
- Configured Easy VPN server and SSL VPN to facilitate various employees' access internal servers and resources with access restrictions.
- Successfully installed Palo Alto PA-3060 firewalls to protect Data Center and provided L3 support for routers/ switches/firewalls.
- Researched, designed, and replaced aging Checkpoint firewall architecture with new next generation Palo Alto appliances serving as firewalls and URL and application inspection
- Building the VPN tunnel and VPN encryption.
- Enabled STP attack mitigation (BPDU Guard, Root Guard), using MD5 authentication for VTP, disabling all unused ports and putting them in unused VLAN.
- Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls
- Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
- Implemented TCP/IP and related services like DHCP/DNS/WINS.
- Configured various LAN switches such as CISCO CAT 2900, 3550, 4500, 6509 switches and Access layer switches such as Cisco 4510, 4948, 4507 switches for VLAN, Fast Ether Channel configuration.
- Implemented VPC, VDC on Nexus Switches and also configured FEX.
- Implementation of Access Lists for allowing/blocking desired traffic.
- Configured inside ACL, outside ACL, inside/outside interfaces.
- Configuring VLANs/routing/NATing with the firewalls as per the network design.
- Configured EBGp load balancing and ensured stability of BGP peering interfaces.
- Worked on Route-Reflectors to troubleshoot BGP issues related to customer route prefixes also route filtering using Route-maps.
- Implement automated audit logs and protect log data and Monitor and test security controls in PCI Infrastructure.
- Hands on experience on Cisco Unified Communications Manager, Cisco Unity Connection, Cisco Contact Center Enterprise.
- Experience with Cisco Video & Routing and switching in Cisco environment.
- Knowledge of the following Protocols: SIP, MGCP, H.323, SCCP.
- Maintain an information security policy and incident response plan in PCI.
- Deploying and decommission of VLANs on core ASR 9K, Nexus 7K, 5K and its downstream devices
- Configuration and troubleshooting of CSM, integration with ASA devices.
- Worked extensively in Configuring, Monitoring and Troubleshooting Cisco ASA 5500.
- Provided proactive threat defense with ASA that stops attacks before they spread through the network.

- Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 Firewalls, CISCO PIX 506, PIX515.
- Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution.
- Worked on datacenter migration of existing PIX firewall to ASA firewall, PIX OS upgrade from 6.3 to 7.0.
- Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert datacenter PIX rules over to the Cisco ASA solution.
- Mapped, Network Diagrams and physical identification in MS Visio.
- Updated documentation as necessary.
- Performed IOS upgrades on Cisco routers and switches.
- Worked with engineering team to resolve tickets and troubleshoot L3/L2 problems efficiently.
- Server load-balancing utilizing F5 LTM-BigIP, including, AFM, APM and ASM modules.
- Maintaining and load balancing: web server traffic for customers using F5 load balancers.
- Worked as a team with other engineers to design, install, implement, and configure ASR 9K Network for interconnectivity, and egress redundancy.
- Troubleshoot basic BGP routing issues on Cisco 12xxx and Cisco CRS series.
- Propose network redesign based on client hardware guidelines, network policies and individual site's unique characteristics.
- Implementing, troubleshooting and maintaining AP, WLC, WCS, NCS.

Environment: Cisco 2948/3560/4500/3560/3750/3550/3500/2960/6500 Switches and Cisco 3640/1200/7200/3845/3600/2800 routers, Cisco 1200 Aironet Access Points, Cisco Nexus 7K/5K/2K, Cisco ASA 500, Checkpoint, windows server 2003/2008: F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP.

Sr. Network Engineer

Microsoft - Irving, TX - February 2011 to January 2013

Responsibilities:

- Working with Network Design and implementation teams on various projects across related to Branch, Campus and Data Center.
- Work MPLS, VPN, 6VPE, VRF-Lite and IPv4 / IPv6 Supported Routing protocol such as: (RIP, OSPF, EIGRP, BGP, ISIS, Static etc) in different Cisco IOS releases on 6500 switch and NEXUS (N7K, N6K, N5K) Releases
- Experience configuring multi-link point-to-point circuits for combining T1 circuits for speeds of T1 to OC3.
- Write technical notes, Function Specs, Test Plans for the new features, and plan them executing time, script require and attend bug scrubs
- Designing and deployment of Partner IPSEC VPN tunnels.
- Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies.
- Deploying and decommissioning Cisco switches and their respective software upgrades.
- Converting CatOS to Cisco IOS Config Conversion on distribution layer switches
- Experience with manipulating various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.
- Configuration and troubleshooting of Site-to-Site and Client to Site VPN's on Cisco PIX/ASA Firewalls and IOS Routers.
- To secure configurations of load balancing in F5, SSL/VPN connections, Troubleshooting CISCO ASA firewalls, and related network security measures
- NAT and access rules on PIX/ASA Firewall
- Failover on PIX/ASA Firewall (Active/Standby & Active/Active)
- Software upgrade(PIX/ASA Firewalls)

- Experience configuring Virtual Device Context in Nexus 7010
- Experience in Configuring, upgrading and verifying the NX-OS operation system.
- Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair.
- Configured CIDR IP RIP, PPP, BGP, MPLS and OSPF routing.
- Configuring and Troubleshooting of Multicasting.
- Performing the ACL requests change for various clients by collecting source and destination information from them.
- Performed Break Fix support through driving to different buildings, identifying the root cause of the hardware issues with switches, routers.
- Design, implementation and operational support of routing/switching protocols in complex environments including BGP, OSPF, EIGRP, Spanning Tree, 802.1q, etc.
- Performing troubleshooting on slow network connectivity issues, routing issues that involves OSPF, BGP and identifying the root cause of the issues.
- Experience working Juniper T-Series, M-Series, MX-Series, J-Series Routers.
- Configure Corporate , Wireless and Lab Devices which includes Bandwidth Upgrade, Adding New Devices, Decom the Devices, Testing(Pilot)
- Implemented DHCP, DNS, IPAM configuration on the servers to allocate, resolute the ip addresses from Subnet.
- Worked on Aruba Wireless LAN Implementation for 11n Infrastructure Across the Corporate Network.
- Troubleshoot the Network Issues onsite and remotely depending on the severity of the issues.
- Familiar with various MSIT Tools to check Networking Connectivity, Testing, Configuration and Adding or Removal of IP address blocks, Decoming or Adding the Devices.
- Created Visio Dean / Visio Documentation to give complete picture of network design for each building.

Environment: Cisco 2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers , Cisco Nexus 7K/5K, Cisco ASA5510, Checkpoint, Aruba Controllers 6000, 3600, 3400,650: windows server 2003/2008: F5 BIGIP LTM.

Network Engineer

IBM - March 2009 to January 2011

Responsibilities

- Troubleshoot traffic passing managed firewalls via logs and packet captures
- Configured and resolved various OSPF issues in an OSPF multi area environment.
- 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.
- Worked with telecom vendors in regards to network fault isolation.
- Hands-on experience with WAN (ATM/Frame Relay), Routers, Switches, TCP/IP, Routing Protocols (BGP/OSPF), and IP addressing.
- Configured CIDR IP RIP, PPP, BGP and OSPF routing.
- Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, MPLS, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies.
- Management and Deployment on Checkpoint Firewall.
- Use Checkpoint to establish Point-to-Point tunnels.
- Ability to use NAT and Firewall security policies in Checkpoint.
- Experience In working on Configuring Multicast.
- Identify, design and implement flexible, responsive, and secure technology services
- Experience with Firewall Administration, Rule Analysis, Rule Modification

- Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
- Deployed 7613 as PE and CE router and Configured and troubleshoot the Edge Routers.
- Excellent troubleshooting knowledge on T1, T3, OC-3 and OC-12.
- Configured egress and ingress queues for ISP facing routers using CBWFQ.
- Generating RCA (Root Cause Analysis) for critical issues of layer1/layer2/layer3 problems.
- Configuration and troubleshooting of Cisco catalyst 6509, 7613 with supervisor cards.
- Experience with implementing and maintaining network monitoring systems (Cisco works and HP Open view) and experience with developing complex network design documentation and presentations using VISIO
- Estimated Project costs and created documentation for project funding approvals.

Environment: Net Flow,TACACS,EIGRP,RIP,OSPF,BGP,VPN,MPLS,CSM,SUP720, Ether Channels, Cisco 7200/3845/3600/2800 routers, Fluke and Sniffer, Cisco 6509/ 3750/3550/3500/2950 switches, Checkpoint firewalls (SPLAT).

Network Engineer

EXXON MOBIL - April 2007 to February 2009

As a network Engineer my job was to setup the network routers and keep them up for work and also responsible for the routing protocols of the routers.

Responsibilities:

- Configured and supported TCP/IP networks.
- Monitored the network with Cisco Works 2000.
- Documented the design, implementation and troubleshooting procedures.
- Configured and troubleshoot VLAN, VTP, STP and Trunks.
- Responsible for procurement and installation of H/W, network drives and other IT infrastructure.
- Network Administrator responsible for the full Planning, designing, installation and administration of the Corporate WAN (wide area network).
- Worked on the datacenter environment, with routers and switches.
- Configuration, Management, Troubleshooting of Network devices (Routers, Switches, Firewalls, Servers, DSL Modems etc.). Maintained the Telecommunication Connectivity using DSL and T1 Lines.
- Maintained complex LAN/WAN networks with several VLANS and provided support for routing protocols.
- Managed IP addressing and implemented IP Access Lists.
- Evaluate and recommend inter-connectivity hardware, software, and services to fulfill various businesses needs as requirements develop.
- Worked on Routers Cisco 2620, 3750 and 2950 Switches & Link sys wireless access points.

Environment: TCP/IP networks, Cisco Works 2000, VLAN, VTP, STP, Trunks H/W, network drives, DSL, T1 Lines LAN, WAN, VLANs, IP Access List, Cisco 2620, 3750, 2950 and Link sys

SKILLS

BGP (8 years), Cisco (10+ years), Firewalls. (10+ years), LAN (10+ years), routing protocols (9 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Networking Technologies LAN/WAN, VPN, VTP, NAT, MSTP, PAT, VLAN, TCP/IP, Frame Relay, Point-to-Point Circuit, STP, RSTP, PVST, MSTP

Networking Hardware Cisco Switches, Cisco Routers, ASA/Pix firewalls, Vmware, Ironport

Routing Protocols BGP, MPLS, RIP, EIGRP, OSPF, IGRP, IS-IS, BGP

Security Technologies CHAP, PAP, Cisco PIX

Routers CISCO ASR 1002, 2600, [...] Juniper M & T Series, Cisco CRS-1, CRS -3, GSR

Load Balancers Cisco ACE, F5 Networks (BIG-IP) LTM3600, Content Filtering

Switches Nexus [...] CISCO 2900, [...]

Firewalls juniper net [...], Juniper SRX [...], [...] [...] Palo Alto Firewalls, McAfee Web Gateway

AAA Architecture TACACS+, RADIUS, Cisco ACS