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**Syed Monaim**

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***SUMMARY:-***

* **CCNP** Certified Professional with **8+ years** of experience in routing, switching, firewall technologies, system design, implementation and troubleshooting of complex network systems.
* Hands on experience in **Cisco IOS/IOS-XR/NX-OS**, **Juniper JUNOS** for configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, BGP v4, MPLS,, NAT, VLAN, STP, VTP, HSRP & GLBP.**
* Experience with designing, deploying and troubleshooting **LAN, WAN, Frame-Relay, Ether-channel.**
* Experience working with High performance data center switch like **Nexus 7010,7018, 7009, 5020, 2148, 2248** devices
* Experience with F5 load balancers – LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.
* Experience in Configuring and implementing **VLAN, VTP, LAN** switching, **STP** and **802.x** authentication in access layer switches.
* Strong hands on experience on **PIX Firewalls, ASA (5540/5550) Firewalls**. Implemented Security Policies using **ACL, Firewall, IPSEC, SSL, VPN, AAA (TACACS+ & RADIUS).**
* Switching tasks include VTP, ISL/802.1q, IPSec and GRE Tunneling, VLANs, Ether Channel, Trunking, Port Security, STP and RSTP.
* In-depth knowledge and hands-on experience in **Tier II ISP Routing Policies, Network Architecture,** IP Sub netting, VLSM, TCP/IP, NAT, DHCP, DNS, FT1 / T1 / FT3 / T3 SONET POS OCX / GigE circuits, Firewalls.
* Experience in IP addresses management services.
* Understanding of JUNOS platform and worked with IOS upgrade of Juniper devices.
* Good knowledge in configuration of Voice VLAN’s (VOIP), prioritizing the voice traffic over the data traffic.
* Experience with different Network Management Tools and Sniffers like **Wireshark** (ethereal), RSA envision, and Cisco works to support 24 x 7 Network Operation Center
* Extensive knowledge in different networking protocols DHCP, DNS, FTP, VOIP (SIP, H.323, MGCP), Quality of Service (QOS).
* Efficient at use of **Microsoft VISIO/Office** as technical documentation and presentation tools
* A highly organized individual who adopts a systematic approach to problem solving, effectively analyzes results and implements solutions.
* Strong general management, negotiation, inter-personal, communication and team building skills.
* Experience with Load Balancers for administrating and monitoring global & local traffic using Cisco CSM, ACE Module, and F5 BIG IP LTM & GSS
* Experience in Network Management Tools and sniffers like **SNMP, HP-Open view, WireShark** and **Cisco works** to support 24 x 7 Network Operation Center.
* Experience in **physical cabling, IP addressing and sub-netting** with **VLSM**, configuring and supporting **TCP/IP, DNS**, installing and configuring **proxies**
* Experience with **802.11x** wireless technology
* Ability to Install, Manage & Troubleshoot Large Networks & Systems Administration on **Windows & Linux platforms** in Development, Lab & Production Environments
* Excellent leadership with good written and oral communication
* Great team player and able to work under pressure 24x7 duty rotation

***CERTIFICATIONS:-***

* Cisco Certified Network Associate (CCNA)
* Cisco Certified Network Professional (CCNP)

**TECHNICAL SKILLS:-**

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| **Operating Systems:** | DOS, Windows 95/98, Windows NT/2000/XP/Vista/7/8 |
| **IP Routing:** | RIPv1, RIPv2, BGP, OSPF, IGRP, EIGRP. |
| **Communication Protocols:** | TCP/IP, UDP, DHCP, DNS, ICMP, SNMP, ARP, RARP, PPP, HDLC and ISDN. |
| **Topologies:** | Frame Relay, ATM, T1, T3, OC3, OC12, OC48, Ethernet, Cable Modem, xDSL and Wireless. |
| **Network Peripherals:** | Hubs, Cisco switches (2900, 2924, 2950, 3550, 3560, 4000, 5500, 6500, 6509, 6513,), Cisco routers (2600, 2800, 3640, 3700, 3825, 7200, 7204, and 7206), Cisco PIX 500 series, and Cisco ASA 5500 series |
| **Sniffers:** | WireShark, Solarwinds. |
| **Firewall Security:** | Cisco ASA, Checkpoint, Juniper SRX, Checkpoint, Palo Alto |
| **Protocols** | TCP/IP, Telnet, SSH, HTTP, HTTPS, FTP, SNMP, LDAP, DNS, DHCP, ARP, SSL. |

***PROFESSIONAL EXPERIENCE:***

**Wichita University, KS Oct-‘13–Till date**

**Sr. Network Engineer**

***Responsibilities:***

* Configured Routing protocols such as RIP, OSPF, EIGRP, static routing and policy based routing.
* Team member of Configuration of Cisco 7206 router with VPN and Configuration of Catalyst switches.
* Configuration 7609, 7606 with OSPF and catalyst 6505, 4500, 3550 switches with various VLAN.
* Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
* Configuration and troubleshooting link state protocols like OSPF in single area and multiple areas.
* Redesign of Internet connectivity infrastructure for meeting bandwidth requirements.
* Configured HSRP and VLAN trucking 802.1Q, VLAN Routing on Catalyst 6500 switches.
* Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
* Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
* Configured BPDU Guard, port-fast, uplink fast and other spanning tree features.
* Configuration and troubleshooting of Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers.
* Providing Technical Support and solutions for Network Problems.
* Implementing NAT solution's on wan applications.
* Planned, tested and evaluated various equipment’s, systems, IOSs and procedures for use within the Network / security infrastructure.
* Upgrading IOS, troubleshooting network outages.
* Continually monitor, assess and improve network security, test and implement new security technologies.
* Participate in all technical aspects of LAN, WAN, VPN and security Internet Service projects including, short and long term planning, implementation, project management and operations support as required.
* Worked on Cisco Routers, Active /Passive Hubs, Switches, Cisco PIX Firewall, Cisco ASA, NOKIA Firewalls, Nortel VPN Concentrators TCP/IP, NAT and Checkpoint ESX/GSX firewall.
* Having Data Center Design Experience, installing and Configuring Network Devices in a Data Center including patching the cables in the Patch Panel. Design and implemented network infrastructure and configured the entire network Infrastructure devices including Network Printers and Register.
* Configuring Voice VLANS with respect to Cisco VOIP phones 7940, 7960.
* Worked with the Call manager installation for deploying Cisco VOIP.
* Hands-on experience in the network management of circuits using TDM and Frame Relay network, performing configuration and provisioning management, fault management and performance monitoring.
* Worked with several network engineers for the understanding of **Juniper SRXfirewalls** along with the changeoverto **Palo Alto(5060s)**needs.
* Provided VPN services to site-to-site and, Remote access VPNs using **IPSec tunneling** along with ensuring of high availability.
* Managed, deployed and provided troubleshooting support for Routing Protocols. Performed route manipulation to influence traffic flows using protocols **OSPF** and **BGP** across the WAN MPLS cloud.
* Involved in **design, documentation, planning and migration** of data center fabric from legacy catalyst switches to nexus switches.
* Responsible for simulating network operations with usage of monitoring tools like wireshark, netcool thereby resolving tickets as per the issue.

**Environment:**JuniperSRX,F5BIG-IPLTM,BGP,EIGRP,HSRP,VRRP,RSTP,PaloAlto,RIP,EIGRP,OSPF, BGP.

**BB&T Dec ‘12–Sep-‘13**

**Sr. Network Consultant**

**Responsibilities:**

* Designed, installed, and maintained various WAN technologies and applications connecting remote sites to corporate headquarters.
* Configured, implemented, and troubleshoot routers and switches with various account settings, permissions, and parameters including security firewalls.
* Primary responsibility is to design and deploy various network security & High Availability products like Checkpoint NGX, Provider-I, Nokia appliance, Cisco ASA other security products
* Installed various network hardware including concentrators, bridges, and hubs to establish communication connections with remote locations.
* Configured multiple domain name services (DNS), email services (Exchange Server), web, and file transfer protocol services (FTP) for various platforms including line leasing through DHCP servers.
* Configuring various advanced features (Profiles, monitors, iRules, Redundancy, SSL Termination, Persistence, SNATs, HA on F5 BIGIP appliances SSL termination and initiation, Persistence, Digital Certificates, Executed various migration/upgrade projects across F5 and hands on with F5 BIGIP LTMs/EM.
* Experience with creating VIP (virtual servers), pools, nodes and applying iRules for the virtual servers like cookie persistency, redirection of the URL.
* Experience with Trinzic management.
* Networking protocols worked with included but not limited to TCP/IP, DNS, WINS, DHCP, VPN, Terminal Services, Routing and Remote Access, Network Design, wiring and cabling.
* Cisco IOS experience on 3600/7200 class hardware in complex WAN environment and experience on Cisco OS and IOS on CAT6500 in a complex data center environment
* Hands on experience installing Sup720 for Cisco 6509-E series and its Gigabit Ethernet port deployment in the core network.
* Configuring IP, RIP, EIGRP, OSPF and BGP in routers.
* Experience in deploying EIGRP/BGP redistribution and the changing the metrics for the primary and backup paths for the packet prioritization and EIGRP tuning.
* Establishing VPN Tunnels using IPSec encryption standards and also configuring and implementing site-to-site VPN, Remote VPN.
* Experience on a mesh 6500 and 5500 series routes and switches to support the core trading system.
* Experience working with Nexus 7010, 7018, 5020, 2148, 2248 devices.
* Designed the PGP enterprise encryption solution.
* Experience working with High performance data center switch like nexus 7000 series
* Configuring IPSEC VPN on SRX series firewalls.
* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500.
* Provided redundancy in a multi homed Border Gateway Protocol (BGP) network by tunings AS-path.
* Configured IPSec site-to-site VPN connection between Cisco VPN 3000 Concentrator and Cisco 3800.
* Experience working with **Nexus 7010, 5020, 2148, 2248 devices**
* Experience with configuring **Nexus 2000 Fabric Extender (FEX)** which acts as a remote line card (module) for the Nexus 5000
* 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.
* Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies.
* Configuring and implementing F5 BIG-IP,LTM,GTM load balancers to maintain global and local traffic

**Environment:** Checkpoint, F5 BIG-IP, LTM, GTM, RIP, OSPF, EIGRP, RIP, BGP, LAN, WAN, MPLS,Nexus 2K,5K,7K,PIX 501,Cisco VPN

**DCU Bank, Boston, MA Dec ’11 - Nov’12**

**Network Engineer**

**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, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies.
* 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.
* Worked with Juniper Firewalls.
* 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.
* Configured ASA 5540 to ensure high-end security on the network with ACL**s** and Firewall**.**
* Used IPSec VPN tunneling to provide access to user machines and partners in other network. Provided application level redundancy and availability by deploying F5 load balancers LTM.
* Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with Cisco ASA VPN experience.

**Environment:** Cisco 2900/3550/4500/6809 switches, Cisco 1600/2600/2800/3600/7300 routers, Cisco ASA5510, Checkpoint, Cisco ASA, PIX, LAN, WAN, RIP, OSPF, EIGRP, BGP, Nexus 2K/5K/7K, VLAN,F5 BigIP GTM/LTM.

**First Bancorp, Damariscotta, ME Aug, 2010 – Nov, 2011**

**Sr. Network engineer**

**Responsibilities:**

* Worked on Cisco routers 7200, 3700 and Cisco switches 4900, 2900
* Key contributions include troubleshooting of complex LAN/WAN infrastructure that include
* Configured Firewall logging, DMZs & related security policies & monitoring
* Creating Private VLANs & preventing VLAN hopping attacks & mitigating spoofing with snooping & IP source guard
* Installed and configured Cisco PIX 535 series firewall and configured remote access IPSEC VPN on Cisco PIX Firewall.
* Enabled STP Enhancements to speed up the network convergence that include Port-fast, Uplink-fast and Backbone-fa
* Establishing VPN Tunnels using IPSec encryption standards and also configuring and implementing site-to-site VPN, Remote VPN.
* Configured network access servers and routers for AAA Security (RADIUS/ TACACS+)
* Other responsibilities included documentation and change control
* Responsible for Configuring SITE\_TO\_SITE VPN on Cisco Routers between Head Quarters and Branch locations
* Implemented the security architecture for highly complex transport and application architectures addressing well known vulnerabilities and using access control lists that would serve as their primary security on their core & failover firewalls
* Installation & configuration of Cisco VPN concentrator 3060 for VPN tunnel with Cisco VPN hardware & software client and PIX firewall
* Involved in troubleshooting of DNS, DHCP and other IP conflict problems
* Used various scanning and sniffing tools like Wire-shark.
* Experience with Infoblox technologies.
* Hands on Experience working with security issue like applying ACL’s, configuring NAT and VPN
* Documenting and Log analyzing the Cisco PIX series firewall
* Configured BGP for CE to PE route advertisement inside the lab environment
* Spearheaded meetings & discussions with team members regarding network optimization and regarding BGP issues.

**Magnus International Group, PA Aug, 2007 –June, 2010**

**Network Engineer**

**Responsibilities:**

* Configured OSPF on CISCO devices with multiple routing processes and redistributed them. Tested and hands on experience in multi area OSPF topologies.
* 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, troubleshoot, test and resolve Frame Relay, ATM, MLPPP, PPP, and Dial-up.
* Configuring/Troubleshoot issues with the following types of routers Cisco (7200, 6500, 4500, 1700, 2600 and 3500 series), to include: bridging, switching, routing, Ethernet, NAT, and DHCP, as well as assisting with customer LAN /MAN, router/firewalls.
* Responsible for LAN and internet connection file and print server.
* Maintained and installed new internet connections for customers.
* Configured all devices for remote sites/plants, vendors and added new equipment to RADIUS and worked with MPLS-VPN and TACACS configurations.
* Created load balancing policies using BGP attributes such as Local Preference, AS-Path, MED, Community etc.
* Validate existing infrastructure and recommend new network designs.
* Created scripts to monitor CPU/Memory on various low end routers in the network.
* Installed and maintained local printer as well as network printers.
* Handled installation of Windows NT Server and Windows NT Workstations.
* Handled Tech Support as it relates to LAN & WAN systems