Bharani. V

Network Engineer - SEI Investments

GA - Email me on Indeed: indeed.com/r/Bharani-V/142404b2575b2e66

• Having8 years of experience in routing, switching, firewall technologies, system design, and 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 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.
• Hands on experience on PIX Firewalls, ASA […] Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, AAA (TACACS & RADIUS).
• Switching tasks include VTP, ISL/802.1q, 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
• Expert in networking protocols DHCP, DNS, FTP, VOIP (SIP, H.323, MGCP), Quality of Service (QOS).
• 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.
• 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.
• Excellent leadership with good written and oral communication.
• Great team player and has worked under pressure 24x7 duty rotation.

WORK EXPERIENCE

Network Engineer

SEI Investments - Oaks, PA - July 2014 to Present

Responsibilities:

• Experienced with manipulating various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.
• Memory upgrades on 5K Nexus, 7K Nexus and 9K Nexus NX-operating system devices.
• Performed and configured VLANs, different Routing Protocols and Bundle Ethernet implementation on ASR 9K.
• Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies.
• Configuring HSRP between VLANs, Configuring Ether-Channels, Port Channel on 6500 catalyst
• Having Data Center Design Experience, installing and Configuring Network Devices in a Data Center including patching the cables in the Patch Panel.
• Worked Knowledge on bluecoat Proxy like blocking URLs Etc.
• 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.
• Assisted in MPLS migrations, implemented a backup for the existing WAN connection using site-to-site IP sec VPN tunnels.
• Worked on WAN Optimization devices desired (Cisco, Riverbed, etc.)
• Experienced with Riverbed Steelhead technologies SHA xx50 to CXA platform, Interceptor, CMC, Cascade.
• Configured and installed 6500, 4500 in Campus networks.
• Switches Replace branch hardware with new 2851 routers and 2960 switches.
• Worked on converting WAN routing from OSPF to BGP (OSPF is used for local routing only) which involves new WAN links and Branch WAN links from TDM circuits to MPLS.
• Converting encryption from IPSec/GRE to GetVPN.
• Maintained complex LAN/WAN networks with several VLANS and provided support for routing protocols and also providing secure sessions over internet using IPSec and SSL encryption.
• Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution.
• Configuring and troubleshooting Juniper Firewalls including UTM features like anti-virus, deep inspection (IDP), URL filtering and screening.
• Worked on migration of existing PIX firewall to ASA firewall, PIX OS upgrade from 6.3 to 7.0.
• Design and Implement DMZ for FTP, Web and Mail Servers with CISCO PIX 506, PIX515
• Design and implementing of the UTP Cabling work-node to rack fixing and patch panel termination
• Involved in Configuration of Access lists (ACL) on ASA firewall for the proper network routing for the B2Bnetwork connectivity.
• To secure configurations of load balancing in F5, SSL/VPN connections, Troubleshooting CISCO ASA firewalls and building the VPN tunnel and VPN encryption.
• Worked with CISCO IOS and IOS-XR OS.
• Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA 5500 Firewalls.

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 ASA 500, Checkpoint, windows server 2003/2008: F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP

Network Engineer
Hughes Networks   -   Germantown, MD - December 2011 to May 2014

Responsibilities:
• Worked on Cisco Layer 2 switches (spanning tree, VLAN).
• Configured HSRP and VLAN trucking 802.1Q, VLAN Routing on Catalyst 6500 switches.
• WAN Infrastructure running OSPF & BGP as core routing protocol.

• Configuration and troubleshooting of Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers.
• Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
• Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
• Configuration 7609, 7606 with OSPF and catalyst 6505, 4500, 3550 switches with various VLAN.
• Troubleshooting IOS related bugs based on past history and appropriate release notes.
• Worked on different connection medium like Fiber and Copper Connectivity.
• In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of LAN/WAN networking systems.
• Planning and configuring the routing protocols such as OSPF, EIGRP, RIP, and Static Routing on the routers.
• Performed and technically documented various test results on the lab tests conducted.
• Planning and configuring the entire IP addressing plan for the clients' network.
• Assist the certification team and perform configuration of LAN\WAN technologies such as Ethernet, Fast Ethernet, and Gigabit Ethernet.
• Supported networks, which are comprised of 2000+ Cisco devices.
• Supported nationwide LAN infrastructure consisting of Cisco 4510 and catalyst 6513.
• Deployed the switches in high availability configuration with HSRP.
• Configured port-fast, uplink fast and other spanning tree features.
• Support various Series of Cisco Routers like 7200/7600 series.
• Support Complex 6500 /5500 Series Switches.
• Network Monitoring using tools like Cisco Works 2000 and Netflow Analyzer.
• Troubleshoot network problems using Packet Analysis tools like Ethereal.
• Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500
• Worked on ASA (5540/5550) Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS).
• Understanding of JUNOS platform and worked with IOS upgrade of Juniper devices.
• Efficient at use of Microsoft VISIO/Office as technical documentation and presentation tools.
• Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
• Experience working with Nexus 7010, 7018, 5020, 2148, 2248 devices.
• Experience working with High performance data center switch like nexus 7000 series.
• Performed load balancing and application level redundancy by deploying F5 BIG-IP LTM 3900.

Environment: Cisco 3750/3550/3500/2960 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers, Cisco ASA5510, Checkpoint, Palo Alto, Cisco Nexus7K/5K.

Network Engineer
Net Global Ltd - February 2009 to November 2011

Responsibilities:
• Provided estimated bandwidth requirements for data replication, to best determine adequate timing for migration service levels
• Configuring HSRP between VLANs, Configuring Ether-Channels, Port Channel on 6500 catalyst
• Switches Replace branch hardware with new 2851 routers and 2960 switches.
• Implemented WLAN Aruba Wireless Access Points and its Controllers at various corporate sites fort 11n Infrastructure and its legacy technologies.
• Experience in working with Cisco Nexus 5000 series switches for data center.
• 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).
• 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.
• Wrote IOS and CAT OS upgrade procedures and Pre/Post checks for customer production upgrades.
• Actively participated in upgrading fast Ethernet, Layer 3 switched/routed LAN infrastructure from Cisco 3640 to Cisco 2811 ISR routers and switches at access level to 2950, 3550.
• Configuring Vlan's, VTP's, enabling trunks between switches.
• Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
• Assisted in network engineering efforts consistent with the infrastructure of an Internet Service Provider and support of such network services. Helped in designing and implementation of VLAN for the new users.

Environment: Cisco routers (7200, 6500, 4500, 1700, 2600 and 3500 series) LAN /MAN, router/firewalls.

SKILLS

CISCO (8 years), DATA CENTER (8 years), EIGRP (8 years), ETHERNET (8 years), HSRP (8 years)

ADDITIONAL INFORMATION

SKILL SET:

Cisco & other vendor equipment
[…] 4500, 2900 series).

Routing Protocols BGP, OSPF, EIGRP, IGRP, and RIP, Redistribution, Summarization and Static Routing.
Infrastructure services DHCP, DNS, SMTP, FTP, TFTP
LAN technologies Ethernet,FastEthernet,Gigabit Ethernet,& 10 Gigabit Ethernet, Port-channel,VLANS, VTP, STP, RSTP, 802.1Q
WAN technologies &SONET Frame Relay, ISDN, ATM, MPLS, leased lines exposure to PPP, DS1, DS3, OC3, T1 /T3
Network Security
AAA, IPS/IDS, TACACS+, RADIUS, SSH, VPN, Cisco ACS, IPSec, Data Management Zone, IPS/IDS, NPS, Cisco AMP, Cisco ESA, FWSM/PIX/ASDM, Cisco ISE, Cisco TrustSec, Checkpoint, SIEM, F5 Load Balancer, Blue coat proxy SG,Cisco ASA, Palo Alto, CISCO ACI

Wireless access points Cisco […] 3850, CiscoAirNet 3700
Network Management SNMP, Cisco Works, Wireshark
Gateway Redundancy HSRP, GLBP and VRRP
Platforms Cisco IOS-XR, Cisco Cat OS, Cisco IOS(11.x, 12.x), PIX,IOS(6.x, 7.x), CAT-OS UNIX, LINUX, Windows XP, NT,2000, 2003
Programming C, C++, HTML, Python, Pearl, Brocade, Aruba, Scripting, Linux, Unix
Data Center Technologies
Cisco Nexus 1000v, Virtual Supervisor Modules (VSM) and Virtual Ethernet Modules (VEMs), Cisco Cloud Services (CSR 1000v), Routing Profiles, Service Profiles.

VOIP QoS, SIP, H.323, RTP, RTCP, SS7, ISUP, MEGACO, Voice Gateways, Gatekeepers
Operating Systems Windows XP/Vista/7/8/10, Linux, Windows Servers […] Windows MS-OfficeMS Office, MS Visio