

Harsha Reddy

Network Engineer - Blue cross blue shield

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> 7+ years of experience in Designing, Implementation and Operations of enterprise data networks as Network Engineer.

> CCNP and JNCIS Certified Professional with experience in routing and switching technologies, system design, implementation and troubleshooting of complex network systems including high-end routers: ASR1K, ASR9K, 2600, 2800, 3600, 7200, 12000 Series Routers, and Catalyst 4500, 6500, and 7600 switches.

> Extensively worked on Cisco Routers, Switches, Load Balancers & Firewalls

> Expertise in physical infrastructure like structured cabling, IP address management, racking, stacking and Data center concepts.

> Expert Level Knowledge about TCP/IP and OSI models.

> In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM and ARP, reverse & proxy ARP, Ping Concepts.

> Understanding the JUNOS platform and worked IOS upgrade of Juniper devices

> Enterprise routing experience using protocols such as Static, RIP, EIGRP, OSPF and BGP.

> Implemented Site-to-Site VPNs over GRE tunnel on ASA Firewall.

> Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN, Trunk, VTP, Ether channel, STP, RSTP and MST.

> Upgraded NX- OS on Nexus devices.

> Worked on ACE load balancers. Experience with F5 load balancers - LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability

> Good knowledge in network hardware and technologies including routers, switches, bridges, hubs, Ethernet, frame relay, wireless, etc.

> Familiar with Cisco firewalls PIX 515, ASA 5500 series, knowledge of Juniper and Check Point Firewalls. Strong hands on experience in layer-3 Routing and layer-2 Switching. Dealt with Nexus models like 7K, 5K, 2K series, Cisco router models like 7200, 3800, 3600, 2800, 2600, 2500, 1800 series and Cisco catalyst 6500, 4500, 3750, 3500, 2900 series switches

> Configured Security policies including NAT, PAT, Route-maps, Prefix/distribution list and Access Control Lists

> Providing technical consultancy for better application response using QoS

> Well experienced in configuring gateway redundancy protocols like HSRP, GLBP, and VRRP.

> Experience with Load Balancers for administrating and monitoring global & local traffic.

> Highly motivated with the ability to work independently or as an integral part of a team and Committed to highest levels of professional.

> Worked on Cisco 7200, 3800, 3600, 2800, 2600, 1800 series Router and Cisco [...] 3500, 4500, 5500, 6500 series switch

> In-depth expertise in the analysis, implementation, troubleshooting & documentation of LAN/WAN architecture and good experience on IP services

> Experience with Juniper NetScreen 520M Firewall and Palo Alto network firewall.

> Strong hands on experience on PIX (506, 515, 525, 535), ASA [...] Firewalls. Implemented security policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA(TACACS+ & RADIUS)

> Installed and Set up Juniper SA 6500 Network Appliances

> Hands-on experience with Ether Channel, Spanning Tree, Trunking, ACLs, Syslog

> Responsible for CheckPoint and Cisco ASA firewall administration across global networks.

WORK EXPERIENCE

Network Engineer

Blue cross blue shield - Chicago, IL - July 2016 to Present

Responsibilities:

- > Work on different networking concepts and routing protocols like BGP, EIGRP, OSPF and other LAN/WAN technologies
- > Deployed firewall (ASA 5510, 5520 and 5550) upgraded XR & Configured from scratch
- > Checkpoint Level3 operations support with hardware operations - fixed all problems & RMA's, taking any escalations that dealt with the equipment and its connection: interfaces, VLAN's, routes, etc.
- > User admin on the firewalls, adding and deleting users as Admin users come and go
- > Maintained redundancy on Cisco 2600, 2800 & 3600 series router, cisco catalyst switch 6500, 4500 and Nexus 5K & Nexus 7K switch with HSRP
- > Configuring and troubleshooting IP Multicasting (PIM & DVMRP) & MBGP
- > Configuring network access servers for AAA Security Using Juniper IC (Infranet Controllers) MAG-SM360, MAG-4610.
- > Implemented standard configuration template scripts in various network devices for SNMP, logging and NTP
- > Worked with Cisco catalyst 6500, 4500, 3750, 3560, 2960 switches and 2800, 3600, 3800, 7200, 7600 and ASR series Routers.
- > Cisco device programming and troubleshooting including CatOS, NX-OS, ACE, CSS, GSS, VPN
- > In-depth knowledge and hands-on experience in Tier II ISP Routing Policies, Network Architecture, IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS, FT1 / T1 / FT3 / T3 Sonet POS OCX / GigE circuits, Firewalls.
- > Extensive troubleshooting of VOIP network and VOIP interoperability testing on this product.
- > Configuring VRRP & GLBP and VLAN Trunking 802.1Q, STP, Port Security on Catalyst 6500 switches.
- > Build various network technologies from the ground up specifically Bluecoat Web proxies
- > Configuring and troubleshooting Cisco PIX, ASA, FWSM, ACE, Nexus 1000v, and Juniper platforms in a multi-tenant infrastructure
- > Planning and implementation of OSPF protocol and internet IBGP and EBGP peering relationship with other ISP
- > Designed and implemented Cisco VoIP infrastructure for a large enterprise and multi-unit office environment. Met aggressive schedule to ensure a Multi-office reconfiguration project which was successfully delivered.
- > Configuring and maintain access points through CISCO 4400 WLAN controller and Upgrading WAN link using PPP Multilink
- > Experience in designing and implementing IP addressing including IPv4 and IPv6
- > Deployment, configuration, and management of 802.1x solutions to include Cisco Identity Services Engine (ISE), ACS, Blockades and Cisco Prime.
- > Configuring, installing, and managing Juniper and Cisco routers, Brocade and Cisco switches, Juniper Netscreen firewalls to include ISG 2000, NS-5200, NS-5400, and SSG series, and TACLANE encryption devices
- > Managing a TACACS server for VPN user authentication and network devices authentication
- > Created standard access lists to allow SNMP, NTP and logging servers
- > Replaced Cisco 6500 from access layer and installed 3750 Switches
- > Racking and Stacking of Cisco 3750 Switches
- > Cisco IOS and Cisco CatOS configuration and backups, Uploading and download IOS and CatOS using XModem, TFTP and FTP protocols
- > Performing Drive tests & analyzing RF drive test data to evaluate network performance - track out the TCH blockade & NIST other call related problems.
- > Worked on NX-OS, IOS, IOS-XR BXB to N7K-NX-OS (MPLS) system test.
- > Perform new additions (VIPs, Pools, NIST, Virtual Servers, and Monitors) to the F5 BigIP LTM load balancer.

Network Engineer

Carnival corporation & plc - Miami, FL - September 2015 to June 2016

Responsibilities:

- > Responsible for designing and implementation of customer's network and Security infrastructure.
- > Involved in complete LAN, WAN, Extranet redesign (including IP address planning, designing, installation, pre configuration of network equipment, testing, and maintenance) in both Campus and Branch networks. Experience working with MPLS Layer 3 VPN on ASR 9006 with IOS-XR
- > Experience with converting Cisco 6500 IOS to Cisco Nexus NX-OS in the data center environment.
- > 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.
- > Experience configuring VPC, VDC and ISSU Software upgrades on Cisco Nexus 7010
- > Experience in Configuring, upgrading and verifying the NX-OS operation system
- > Responsible for Cisco ASA firewall administration across our global networks
- > Support customer with the configuration and maintenance of PIX and ASA firewall systems
- > Design, and configuring of OSPF, BGP, Blockades on Juniper Routers and SRX Firewalls.
- > Configuring IPSEC VPN on SRX series firewalls
- > Experience with configuring OTV between the data centers as a layer 2 extension.
- > Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design.
- > Provided Load Balancing towards access layer from core layer using F5 Network Load Balancers.
- > Upgraded load balancers from Radware to F5 BigIP v9 which improved functionality and scalability in the enterprise.
- > Managed the F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs
- > Other responsibilities included documentation and supporting other teams
- > Experience working with BGP attributes such as Weight, Local-Preference, MED and AS-PATH to influence inbound and out bound traffic
- > Involved in Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, InterVlan routing and LAN security.
- > Use and maintain routing protocols EIGRP, OSPF and BGP on the Routers in the network & also worked on BGP Route Reflectors, Confederations
- > Deployed a large-scale HSRP solution to improve the uptime of collocation customers, in the event a core router became unreachable.
- > Configured and designed LAN networks with Access layer switches such as Cisco 4510, 4948, 4507 switches. Experience with convert PIX rules over to the Cisco ASA solution.
- > Ability to plan independently and execute product testing with quality (White box, Black box testing, Scalability, performance, solution and system testing)
- > Applies test expertise and experience to craft & execute test plans, conduct negative/exception tests, verification, performance and regression testing of RIA, HTML, AJAX, Mobile Web client, integration services, enablers & platforms.
- > Performing Drive tests & analyzing RF drive test data to evaluate network performance - track out the TCH blockade & NIST other call related problems.
- > Configuring Virtual Chassis for Juniper switches EX-4200, Firewalls SRX-210
- > Implemented HSRP on the Cisco 2948G Layer 3 switches and EIGRP, OSPF on 2 Cisco 2610 routers, the Layer 3 switch, 3 Cisco 350XL Switches, Cisco 3524XL switches for load balancing and fail over. Configuring ASA Firewall and accept/reject rules for network traffic.
- > Extensive knowledge and troubleshooting in data communication protocols and standards including TCP/IP, UDP, IEEE 802.3, NIST, Token Ring, Cable Modem, PPPOE, ADSL, Multilayer Switching, DoD standards.

Network Engineer

T-mobile - Seattle, WA - February 2015 to August 2015

Responsibilities:

- > Experience with Supporting both Network and Security infrastructure in data center environment and Campus environment, which involved with devices such as routers, switches, firewalls and wireless access points.
- > 3rd level support lead for network security and firewall issues on Checkpoint NGX R71 and Cisco ASA devices
- > Experience with moving data center from one location to another location, from Cisco 6500 based data center to both Cisco 6500 & Nexus based data center.
- > 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)
- > Involved in conversion of PIX firewall to ASA firewall.
- > Experience in adding firewall rules, Network address Translation and also in creating multiple security contexts (virtual firewalls).
- > Involved in setting up IP sec VPN between ASA firewalls.
- > Experience with implementing Cisco 6500 VSS on the User distribution switches.
- > Upgraded IOS on the ASA 5550 5585 5520 firewalls
- > Working with MPLS Designs from the PE to CE and also configuring VRF on PE routers
- > Experience with designing and deployment of MPLS Traffic Engineering
- > Configuring RIP, OSPF, EIGRP BGP, MPLS, QOS, ATM and Frame Relay.
- > Involved in design and implementation of Data Center Migration, worked on implementation strategies for the expansion of the MPLS VPN networks
- > Working Knowledge of Cisco IOS, Cisco IOS-XR, Cisco CatOS, Cisco NX-OS, JUNOS
- > Experience with configuring BGP in the data center and also using BGP as a WAN protocol and manipulating BGP attributes
- > Design and deployment of MPLS QOS, MPLS Multicasting per company standards.
- > Implemented site to site VPN in Juniper SRX as per customer.
- > Implemented various EX, SRX & J series Juniper devices.
- > Experience with deploying Fabric Path using Nexus 7000 Devices
- > Experience with configuring VPC, VDC and OTV between the data centers as a layer 2 extension.
- > Experience with configuring FCOE using Cisco Nexus 5548.
- > Installed controller and light weight access point coordination with JTAC.
- > Maintenance and trouble-shooting of LAN, WAN, IP Routing, Multilayer Switching.
- > Worked on different phases of testing such as Sanity Testing, Functionality Testing, Smoke Testing, System Testing, Installation Testing, Compatibility Testing, Regression Testing, Stress Testing and UAT Testing.
- > Writing Test cases & Test scripts for the application functionality
- > Testing routers and modems, troubleshoot issues related to broadband technologies for Residential and Business Customers.
- > Performing onsite data center support including monitoring electrical power, switch alarms, network alerts and access logs.
- > Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers
- > Configuring VLAN, Spanning tree, VSTP, SNMP on EX series switches
- > Dealt with monitoring tools like (Solar Winds, Cisco Works), network packet capture tools like Wireshark
- > Maintained a Network with more than 600 Network devices, some 25,000 end hosts, and the other Network devices like DHCP, DNS servers, Firewall servers.
- > Co-ordination with Hardware vendors, software vendors and service Providers.
- > Assisted in backup, restoring and upgrading the Router and switch IOS.

- Attended Team meetings and provided comments on existing network and the recommendations to improve the current network Performance.
- Maintaining the health of 250+ wireless Access points in two locations.

Network Engineer

Unisys, Offshore India - April 2012 to December 2014

Responsibilities:

- Configured RIP and EIGRP on 2600, 2900 and 3600 series Cisco routers
- Implemented VTP and trunking protocols (802.1q and ISL) on 3560, 3750 and 4500 series Cisco Catalyst switches
- Performed on-call support for installation and troubleshooting of the configuration issues.
- Worked on installation, maintenance, and troubleshooting of LAN/WAN (ISDN, Frame relay, NAT, DHCP, TCP/IP)
- Configured Access List (Standard, Extended, and Named) to allow users all over the company to access different applications and blocking others
- Configured STP for loop prevention and VTP for Inter-VLAN Routing
- Performed maintenance and troubleshooting of connectivity problems using PING, and Trace route
- Provided Network and Security Architecture and Operations support services for Windows 2008 based web, application and database servers
- Provided Technical support for improvement, upgradation, and expansion of the existing network architecture
- Done troubleshooting of TCP/IP problems and connectivity issues in multi-protocol Ethernet environment.

Associate Network Engineer

Technosoft - Hyderabad, ANDHRA PRADESH, IN - February 2011 to March 2012

Responsibilities:

- IOS upgrades on Catalyst 1900, 2900, 3500 series switches and 2500, 2600, 3600 series routers.
- Racking, stacking, and cabling network-based, IT systems
- Configuration of Access List ACL (Std., Ext, Named) to allow users all over the company to access different applications and blocking others.
- Configuring of IP Allocation and sub netting for all applications and servers and other needs throughout company using FLSM, VLSM addressing.
- Troubleshoot the issues related to routing protocols.
- Perform routine network maintenance checks as well as configure and manage printers, copiers, and other miscellaneous network equipment.
- Installing operating systems, software and hardware on computers.
- Responsible for Data Backup, System Update, Recovery and Restore, and Spyware removal.
- Assisting Junior and Senior Engineers, on-site management of cable-wiring technicians
- Troubleshoot problems on a day to day basis and documented every issue to share it with design teams.

Jr. Network Engineer

Technosoft - Hyderabad, ANDHRA PRADESH, IN - May 2010 to January 2011

Responsibilities:

- Assisted students in Setting up lab with Cisco Routers and switches.
- Worked on Shell Scripting
- Was responsible for granting permissions to the domain and setting up new local and roaming profiles for close to 2000 students.
- Maintained their network with critical components, which served more than 300 students and various departments.

- Created Subnets using IP Addressing
- Configured Cisco 2600 series Routers for Internet and Intranet access with Firewall
- Configured Cisco Catalyst 2960 series Switches
- Worked as a teaching assistant for professors.

SKILLS

Cisco (5 years), DHCP (4 years), EIGRP (5 years), firewall (3 years), routing protocols (3 years)

ADDITIONAL INFORMATION

Skills:

- Cisco Routers: 12000, 10000, 7600, 7200, 3800, 3600, 2800, 2600, 2500, 1800 series.
- Cisco Switches: 6500, 4900, 4500, 3750, 3500, 2900, 1900 series
- Juniper Routers: T640, M10i and M7i
- Juniper Switches: Ex4200, Ex4500
- Firewall: Cisco 5505, [...]
- Routing Protocols: RIP, IGRP, EIGRP, OSPF, and BGP.
- L2 Protocols: VTP, STP, RSTP, MSTP, ISL, 802.1q.
- Switching: VLANs, Private VLANs, Ether-Channel
- Network Management: Cisco Works
- Servers: FTP, DHCP, DNS, HTTP, Syslog, TFTP
- Testing Tools: IXIA