

Vijay Edla

Sr. Network Engineer

- Email me on Indeed: indeed.com/r/Vijay-Edla/eb95ef65e639669b

- Cisco Certified Network Engineer with 8+ years of experience in the industry, which includes expertise in the areas of Routing, Switching, Firewall and Load Balancing.
- Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as EIGRP, OSPF, BGP ability to interpret and resolve complex route table problems.
- Implementation traffic filters on Cisco routes using Standard, extended Access list.
- Expert Level Knowledge about TCP/IP and OSI models.
- Virtualization: Experience with Vmware (Workstation, Vcenter, Vmotion, ESXI hypervisor)
- Experience with vBlock Cloud infra such as VMware vSphere, VMware Cloud Director and Veeam Backup.
- Experimented with Software defined Networks- open day light.
- In-depth expertise in the analysis, implementation, troubleshooting & documentation of LAN/WAN architecture and good experience on services.
- Cisco ASA 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.
- Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R75 firewalls.
- Hands on experience working with Cisco Nexus 7K, 5K & 2K Switches.
- Comprehensive knowledge of wireless networking systems and protocols.
- 3 years of experience in working with operating systems like Linux, Unix and Ubuntu.
- Worked on NXOS, IOS, and IOS-XR BXB to N7K-NXOS (MPLS) system test.
- Experience in F5, Cisco ACE 4710 Load balancers, Aruba wireless access points and controllers.
- Familiar working with alcatel-lucnet networks, BENU appliances and network observer gigastor.
- Experience with Vsat, Voip and WAN optimization techniques.
- Extensive understanding of the Application Security Module (ASM) technology.
- Experience in working with load balancer for converting CSS to ACE.
- Experience deploying BIG-IP F5LTM Load Balancers for load balancing and traffic management of business application.
- Strong hands on experience in installing, troubleshooting, configuring of Cisco 7200, 3800, 3600, 3400, 2800, 2600, 2500, 1900, 1941, 1921 and 1800 series Routers, Cisco Catalyst 6800, 6807, 6500, 4500, 3750, 2950, 2960 and 3500XL series switches.
- In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM, DNS, DHCP and ARP, reverse & proxy ARP, Ping Concepts.
- Experience in working with video from end-point in the network to the backend.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP Ether channel, STP, RSTP and MST.
- Experience in working with Windows power shell scripting to maintain and administrating server environments.
- Experience with Layer 2 and Layer 3 protocols like LDP, RSVP/ TE, QOS, COS L2 VPWS and VPLS, FRR.
- Responsible for network design, projects and support across the globally co-located data center networks.
- Understanding of Quest Active role server, Quest self service manager for exchange and Quest reporter.
- Experience on Virtual Private Network (VPN) for operating Network and Data Center.
- Experience with Internet/Intranet Networking Protocols and Services.
- Experienced with Windows [...] active directory design installation and migration.
- Implementation of HSRP, VRRP and GLBP for Default Gateway Redundancy and troubleshooting.

- Facilitating the automated collection, Analyzing, alerting, auditing, reporting and secure storage processing of all the logs using RSA envision solution.
- Working with Riverbed for WAN optimization.
- Excellent qualities such as Teamwork, Negotiation, Analysis and Communication.

WORK EXPERIENCE

Sr. Network Engineer

Boston Medical Center - Boston, MA - April 2016 to July 2017

Responsibilities:

- Involved in configuring and implementing of composite Network models consists of Cisco 7600, 7200, 3800 series routers and Cisco 2950, 3500, 5000, 6500 Series switches.
- Configured Nexus 7010 including NX-OS Virtual Port Channels, Nexus port profiles, Nexus Version 4.2 and 5.0, Nexus VPC peer links.
- Experienced in providing a plan, designing and implementing the services for the enterprise class data center networks with leading technologies such as virtual port channel (VPC), virtual extensible LANs, Fabric path and Overlay Transport Virtualization (OTV) in NX-OS
- Strong networking capability and knowledge of different firewall platforms to help in random identification and isolation of issues during outages and incidents.
- Participated in the installation, configuration, post installation daily operational tasks and configuration and deployment of Cisco Nexus equipment.
- Worked on a project to update and manage configuration parameters for data center and servers using Python scripting.
- Designed 10 gigabit networks using Cisco Nexus 7000 series switches, and Cisco 3800 series routers
- Maintenance of citrix-Net scalar 9800 load balancer to monitor the traffic at the servers end.
- Managed rules on Cisco checkpoint NGX firewall.
- Managed VPN, IPSec, Endpoint-Security, status policy, Application control, IPS, Monitoring, Anti-Spam, Smart Provisioning, DLP using Checkpoint Firewalls
- Worked with Junos OS and Juniper M&T series switches.
- Worked with Cisco ACE GSS 4400 Series global site selector Appliances.
- Configuring and enable Net flow on layer 3 ingress ports with defined active timers.
- Good working knowledge of common end user operating systems and internal/external DMARC identification.
- Experience with email security standard implementation policies such as SPF, DMARC and DMARC.
- Configured OSPF redistribution and authentication with type 3 LSA filtering to prevent LSA flooding and also Configured OSPF over frame relay networks for NBMA and point to multipoint strategies.

Sr. Network Engineer

Wells Fargo - West Des Moines, IA - February 2014 to February 2016

Responsibilities:

- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Coordinated efforts with Engineer's to ensure all network devices conformed to defined network standards.
- Configured various Routing protocols such as RIP, OSPF, EIGRP, static routing.
- Maintaining Core Switches, creating VLANs and configuring VTP.
- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Troubleshooting of Cisco 2900, 3900, 6500, 7500, 7200 Series routers.
- Configured static NAT, dynamic NAT, dynamic NAT overloading.

- Back up a Cisco IOS to a TFTP server and Upgraded and restored a Cisco IOS from TFTP server.
- In-depth expertise in the implementation, optimization, troubleshooting and documentation of LAN/WAN networking systems.
- Responsible for designing, implementing and troubleshooting temporary infrastructures for Live Webcasting Events
- Involved in F5 BIG IP LTM administration, familiar with enterprise level traffic managers like 6800, 3600, 1600,3400 series
- Involved in updating the VIP's for pools and pool members, updating iRules for the URL created in the new DNS entry
- Upgrade Cisco Routers and Switches IOS using TFTP
- Installed and configured Cisco IP Phone 794x, 796x, 7937's and IP Communicator
- Creating dedicated VLANs for Voice & Data with QOS for prioritizing VOICE over DATA
- Installation and management of overall administration of LAN, WAN, systems involving design of network layouts, configuration and maintenance, Commissioning Routers & Switches, firewalls, IPS and ensuring maximum uptime during site deployment to VoIP.
- Configuring and adding, moving, removing of various IP phones like (7941, 7961, and 7971)
- Knowledge on VOIP protocols like H.323, RTP, SIP and good understanding about VOIP devices.
- Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems
- Performing network monitoring, providing analysis using various tools like WireShark, Solar winds etc.
- Implementation and configuration of F5 Big-IP LTM-6400 load balancers
- Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and Cisco ASA VPN experience
- Worked on a project to update and manage configuration parameters for data center and servers using Python scripting.
- Responsible for Cisco ASA firewall administration across our global networks

Environment: Cisco Catalyst 2960/3750/4500/6500 Series Switches, Linux, Cisco 2800/2900/3000 Series ISR's and Cisco 3640/12000 /7200/3845/3600/2800 routers, SQL, Cisco ASA 5500, Juniper Ex switches, Active Directory, Juniper ACX series routers, Windows Server 2003/2008, ACL, SIP, RIP, OSPF, Python scripting, MPLS, BGP, EIGRP, Wi-Fi, LAN, MacAfee, WAN, WAP, IDS, IPS, Aruba WLAN, VPN, HSRP.

Sr. Network Engineer

Comcast Cable - Philadelphia, PA - September 2011 to February 2014

Responsibilities:

- Installing, Configuring and troubleshooting Cisco Routers (ASR1002X, 3945, 3845, 2800, 3600) and Switches (6509E, 4507, 4500-X, 4900M, 3850, 3650, 2960) to perform functions at the Access, Distribution, and Core layers.
- Configuration of various Cisco Routers & L2/L3 Switches and implementing OSPF and BGP on the routers
- Configuring, upgrading and deployment of Nexus 7010, 5596 and 2248.
- Installation and deployment of new class 9X and class 10 Server farms in multiple silos.
- Designing and installing new branch network systems. Resolving network issues, running test scripts and preparing network documentation.
- Working with Cisco Nexus 2248 Fabric Extender and Nexus 5500 series to provide a Flexible Access Solution for datacenter access architecture.
- Design, Installation and consolidation of local server farms in multiple branch locations with Cisco 4500-X at distribution and 4948's replacing the 3750's at access level.
- Worked as a part of data center deployment where we converted from Cisco 6500 to Nexus.
- Ensuring problems are satisfactorily resolved in a timely manner with focus in providing high level of support for all customers.

- Work with Engineering on Server Farm refresh project on consolidation and increasing the bandwidth on Server Access silos.
- Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms
- Working with wireless technologies troubleshooting and configuration.
- Working with BGP, OSPF protocols in MPLS Cloud.
- Designed, configured, implemented site-site VPN on Cisco ASA 5500 firewall.
- Establishing VPN Tunnels using IPSec encryption standards and also configuring and implementing site-to-site VPN.
- Troubleshooting of Cisco 2800,2900, 3900, 7200, 7600, ASR9k, CRS, GSR 12k Series routers
- Implementing the necessary changes such as adding, moving and changing as per the requirements of business lines in a data center environment.
- Configure BGP features such as as-override, Local pre, EBGp load sharing on client connections
- Configured and resolved various OSPF issues in an OSPF multi area environment between multiple branch routers.
- Working with Juniper JUNOS on M and MX series routers.
- Providing daily network support for national wide area network consisting of MPLS, VPN and point-to-point site.
- Configuring HSRP between the 3845 router pairs of Gateway redundancy for the client desktops.
- Configuring GLBP, VLAN Trunking 802.1Q, STP, Port security on Catalyst 6500 switches.
- Responsible for service request tickets generated by the helpdesk in all phases such as troubleshooting, maintenance, upgrades, patches and fixes with all around technical support.
- Configuring, Monitoring and Troubleshooting Cisco's ASA 5500 security appliance, Failover DMZ zoning and configuring VLANs/routing/NATing with the firewalls as per the design.
- Providing Level 3 support to customers, resolving issues by attending to conference calls.
- Configuring multiple route reflectors within a cluster.
- Worked with Juniper Net Screen 500/5200 and also juniper SRX 650/3600
- Implementation of Palo alto firewalls in standalone, vwire, active/passive & active/active modes
- Setup of Central Panorama console to manage Palo Alto firewalls 3020,3050,5020 & VM-200 models
- Working on HP open view map for Network Management System and Ticketing.
- Working on a broad range of topics such as routing and switching, dedicated voice access, planning and implementation, large-scale high-visibility outages, change management coordination, proactive monitoring and maintenance, disaster recovery exercise and core network repairs.
- Deployed and configured Cisco ASR 1000, 7000, 9000 series routers
- Implementation of Juniper Firewall, SSG Series, Net screen Series ISG 1000, SRX Series
- Involved in L2/L3 Switching technology administration including creating and maintaining VLANs, Port security, Trunking, STP, Inter VLAN Routing, LAN security.
- Working on security levels with RADIUS, TACACS+.

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

Genpact - May 2010 to June 2011

Responsibilities:

- > Responsible for implementing, supporting, and maintaining 24x7 network services.
- > Coordinated efforts with Engineer's to ensure all network devices conformed to defined network standards.
- > Worked with MSC- Microsoft system center manager.

- Configured various Routing protocols such as RIP, OSPF, EIGRP, static routing.
- Implemented and developed security operation methods and procedures to maintain regular activities in accordance with prescriptive PCI controls
- Provided configuration of STP and Port Security on Catalyst 7509, 6500, 6509 switches.
- Configure the Cisco CRS-1 Routing System, back out of configuration changes, and restore older versions of a configuration.
- Troubleshooting of Cisco 2800, 2900, 3900, 7200, 7600, Series routers.
- Configure the Cisco IOS XR security features in both owner SDR and non-owner SDRs.
- Configure legacy route map configurations using the new Cisco IOS XR Routing Protocol Language (RPL).
- Worked with Juniper net Screen 500/5200 and also juniper SRX 650/3600.
- Worked on Fiber channel over Ethernet (FCOE) for connecting 10gigabit Ethernet networks.
- Maintaining Core Switches, creating VLANs and configuring VTP.
- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Worked extensively on troubleshooting 2900 series routers.
- Experienced working with Tomcat and Apache servers in troubleshooting network issues for our internal server teams.
- Worked with Enterprise Intrusion Detection / IPS (Snort, Source fire, Juniper IDP, IBM ISS, McAfee Intrushield).
- Designed on-premise IVRs for integrating with the ACD and CRM systems to ensure maximum efficiency in call handling.
- Performed redistribution with OSPF, EIGRP, RIP version 1 and 2 to enable communication with backbone.
- Configured OSPF for Stub area, Totally Stubby Area and NSSA.
- Executed BPDU Guard, port-fast, uplink fast and other spanning tree features on various layer 2 and layer 3 switches.
- Worked on video from end-point in the network.
- Troubleshooting advanced Riverbed Issues and settings.
- Experienced on Riverbed ARX net flow module.
- Configured and optimization settings of Riverbed.
- Troubleshooting of Cisco 2900, 3900, 6500, 7500, 7200 Series routers.
- Configured static NAT, dynamic NAT, dynamic NAT overloading.
- Back up a Cisco IOS to a TFTP server and Upgraded and restored a Cisco IOS from TFTP server.
- In-depth expertise in the implementation, optimization, troubleshooting and documentation of LAN/WAN networking systems.
- PGW, XGW and SGW configuration on Data communication networks such as 4G LTE, CDMA, WCDMA network.
- 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.
- Participated in quality system implementation project.
- Configure wireless routers on enterprise network.

Environment: Riverbed, wireless-LTE, CDMA, WCDMA, Extreme Access Points- AP3705, AP3610, Cisco Wireless Controllers 2500 and 5800, 802.11a/b/g/n, IOS, STP, PVST, RSTP, MST, Juniper- net Screen 500/5200, SRX 650/3600, FCOE, IPS, OSPF, EIGRP, BGP, NAT, Citrix-Netscaler.

Network Engineer

Qualcomm - Hyderabad, ANDHRA PRADESH, IN - November 2008 to April 2010

Qualcomm Inc. is an American global semiconductor company that designs and markets wireless telecommunications products and services. The company headquarters are located in San Diego, California, United States. The company has 157 worldwide locations.

Responsibilities:

- > Experience in Cisco 7200, 7600 routers, Cisco 2800 3700 series switches: Physical cabling, IP addressing, Wide Area Network configurations (Frame-relay and ATM).
- > Performed troubleshooting, while maintaining trouble ticket tracking, following internal/external escalation procedures and customer notifications. Configured Cisco Routers for OSPF, RIP, IGRP, RIPv2, EIGRP, Static and default route.
- > Configured the Cisco router as IP Firewall and for NATting.
- > Worked with the Help Desk for circuit troubleshooting to give Support to the Tech persons at the site.
- > Configuring routers and sending it to Technical Consultants for new site activations and giving online support at the time of activation.
- > Supporting Development team for the access to corporate network and outside world. Providing access to specific IP, Port filter and port access.
- > Switching (Ethernet) related tasks included implementing VLANs and configuring ISL trunk on Fast-Ethernet channel between switches.
- > Installed and configured PIX 520, 525, 535 series firewalls, configured standard and extended access-lists and policy- based filters.
- > Configured ASA 5510 appliance and VPN.
- > Responsible for implementing Qos prioritizing voice traffic over a data.
- > Implemented SNMP on Cisco routes to allow for network management. Completed the installation and configuration of T1, T3 & OC3 circuits.
- > Troubleshoot TCP/IP problems, troubleshoot connectivity issues.

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

CISCO (8 years), OSPF (8 years), FIREWALL (7 years), FIREWALLS (7 years), VPN (7 years)

ADDITIONAL INFORMATION

SKILLS:

- > Networking Technologies: LAN/WAN Architecture, TCP/IP, Frame Relay, VPN, VLAN, VTP, NAT, PAT, STP, RSTP, PVST, MSTP. Wireless networks such as microwave point-point, point- multipoint and wireless mesh network RF (Radio Frequencies) technologies, CISCO ACI.
- > Networking Hardware: Cisco Switches (9k, 7k, 5k), Cisco Routers, ASA/Pix firewalls, Checkpoint firewalls, VMware, Big ip F5 Load Balancers, IronPort.
- > Routing Protocols: OSPF, IGRP, EIGRP, RIP, MPLS, IS-IS, BGP, Multicasting.
- > Networking protocols such as L2 protocols (STP, RSRP, IEEE802, 1Q, VTP, ARP) and L3 protocols (RIP, OSPF, IP, ICMP, BGP).
- > Security Technologies: PAP, CHAP, Cisco PIX, Checkpoint, ASA, BlueCoat proxy.
- > Virtualisation: Geni, VMware.
- > Vast knowledge on structured cabling, data & voice networks, wireless networks and desktop environment.
- > Proficient in checking the network's security protocols, system features and good hands on experience in the manual testing of L2, L3 protocols.

- Deep knowledge of AWS cloud computing platform such as VPC (Virtual private cloud), EC2 and load balancing with ELB using ECB.
- Implementation of Spine leaf architecture, Equal cost multipathing.
- Network Monitoring: Cisco Works 2000, Wire Shark, Network sniffer & packet analyzer, HRPing, Infoblox, Solar Winds
- Windows Active Directory administration.

- Operating Systems: Windows 7, Vista, XP, 2000, CentOS LINUX, Puppet, Cisco IOS, solaris, IOS XR.
- Routers: CISCO 1900, 2600, 2800, 3600, 3800, 7200, ISR-2900, 4000, ASR-1k, 9k Juniper M & T Series, Cisco CRS-1, CRS -3, GSR.
- Capacity & performance IXIA, Spirent, Cisco works, IPerf, IXChariot.
- Switches: CISCO 2900, 3500, 3750, 3850, 4500, 5000, 6500, [...] 7509, Nexus 7k, 5k, 2k.
- Load Balancers: Bigip F5 [...] Cisco ACE-4710, ACE gss 4400, CSS
- Programming Languages: C, C++, SQL, and Python.
- Knowledge of Microsoft Exchange 2013, 2010, 2007, 2003 administration, Microsoft Visio.
- Simulation Tools: Qualnet Developer, OPNET IT GURU, OPNET Modeler, Cadence.
- Active participant in corporate PCI compliance initiatives and assessments.
- Configuring and troubleshooting different Cisco ASR's like 1002, 1013, 3750, 3850, 4510 and 9K routers.
- Firewalls: Juniper net screen [...] Juniper SRX [...] [...] [...] R70, NGX), McAfee Web Gateway.
- AAA Architecture: TACACS+, RADIUS, Cisco ACS.
- Netscreen firewall setup, upgrade and configuring IPSEC VPNs and NSM (Netscreen security manager) management.
- Features & Services: IOS and Features, HSRP, GLBP, IPAM IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, DNS, TFTP and FTP Management, Net Flow, Open Stack, IVR's, HLD and LLD documents, Dell equal logics, Microsoft Visio diagramming.