

Vigneshwaran Kumar

Network Engineer - Radware Inc

Edison, NJ - Email me on Indeed: indeed.com/r/Vigneshwaran-Kumar/6cb0d72483ca249d

- Over 7 years of experience in the field of routing, switching, firewall technologies and troubleshooting of complex network systems.
- Experience in designing, installing, configuring and maintenance of Enterprise Networks using Cisco routers, Catalyst Switches and Load Balancers, Cisco Firewalls.
- Strong hands on experience in installing, configuring , and troubleshooting of Cisco Catalyst 6500, 4500, 3750, 2950 and 3500XL series switches, Cisco 7600, 7200, 3800, 3600, 2800, 2600, 2500 and 1800 series Routers.
- Experience working with Nexus 7010, 5020, 2148, 2248 devices.
- Expertise experience in implementing and troubleshooting VLANs, VTP, STP, RSTP, DTP, Root Guard, BPDU Guard, Port Fast ,Uplink Fast, Backbone Fast, Ether Channel, PAGP, LACP and 802.1Q.
- Planning, Designing & Implementing VPN connections using Checkpoint, ASA and Cisco Routers using site-to-site VPN's.
- Extensive Experience in WAN Technologies, Switching Technologies along with Failover Mechanisms & Inter Vlan Routing types.
- Well Experienced in configuring protocols HSRP, GLBP, VRRP, ICMP, IGMP, PPP, HDLC, PAP, CHAP, and SNMP.
- Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000.
- Extensive experience in configuring and troubleshooting of routing protocols RIP v1/v2, EIGRP, OSPF, IS-IS BGP and MPLS.
- Experience with F5 load balancers LTM, GTM series like 6400, 6800, 8800 for the corporate applications.
- Experience with Juniper SRX 240 Firewalls
- Involved in iRule management like loading rules, writing iRule syntax using TCL language.
- Experience in installing and configuring DNS, DHCP server.
- Moderate knowledge in configuring and troubleshooting Cisco Wireless Networks: LWAPP, WLC, WCS, Standalone APs, Roaming, Wireless Security Basics, IEEE 802.11 a/b/g, RF spectrum characteristics.
- Good knowledge and experience in Installation, Configuration and Administration of Windows [...] HTTP,FTP,DNS,NTP,DHCP servers under various LAN and WAN environments.
- Proficiency in handling Network Monitoring tools and Packet capture tools.
- Implemented Network Security solutions using Cisco VPN Concentrators and Cisco ACS sever.
- Efficient use of Microsoft VISIO/Office for technical documentation and presentation tools.
- Excellent analytical, organizational, problem solving & resolution skills.

Willing to relocate: Anywhere

Sponsorship required to work in the US

WORK EXPERIENCE

Network Engineer

Radware Inc - Mahwah, NJ - April 2016 to Present

Responsibilities:

- Working on Cisco 6509 and 4507 series switches for LAN requirements that include managing VLANs, Port Security and troubleshooting LAN issues.
- Configuring and installation of Cisco 2500, 3640, 7200, and 7940 Routers.

- Configured IPX/SPX, HDLC, PPP, TCP/IP, BGP, EIGRP, RIP, & HSRP.
- Configured TCP/IP addressing scheme to assigned IP blocks.
- Coordinated with LAN/WAN engineers the development and implements security policy.
- Part of a team working in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-VLAN routing, LAN security.
- Deploying Layer 2 security in Server Farms by configuring switch for 802.1x port based authentication.
- Prepared documentation for various VLANs and Voice sub networks and worked on Visio for the same.
- Performed switching technology administration including VLANs, inter-VLAN routing, Trunking, STP, RSTP, port aggregation & link negotiation.
- Performing network monitoring, providing analysis using various tools like Wireshark, Solar winds etc.
- Ensure Network, system and data availability and integrity through preventive maintenance and upgrade.
- Supporting EIGRP and BGP network by resolving level 2 & 3 problems of internal teams & external customers of all locations.
- Coordinated with a team to remove EIGRP from all devices and making OSPF the primary routing protocol.
- Involved in the modification and removal (wherever necessary) of BGP from the MPLS routers.
- Installed and configured DNS and DHCP server.
- Troubleshooter DHCP and other IP conflict problems.
- Defined policies, NAT and anti-spoofing for internal, external networks as well as Internet gateways.
- Configuring remote users to access corporate LAN with VPN connectivity.
- Configured and installed new IP addresses for new users by using IP Addressing and Subnetting Scheme.
- Interfaced with various vendors for company products.
- Configured Frame-Relay, ISDN, ATM, Protocols, & load balancing switches.
- Configuring Virtual Device Context in Nexus 7010.
- Worked on Network support, implementation related internal projects for establishing connectivity between the various field offices and data centers.
- Involved in the redistribution into OSPF on the core ASA firewall.
- Responsible for Cisco ASA 5500 firewall administration, Rule Analysis, Rule Modification.
- 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.

Network Engineer

TPG Communications - Belleville, NJ - June 2015 to March 2016

Responsibilities:

- Managing and configuring Cisco Switches, Aruba Wireless devices, Cisco Access Points and Routers independently.
- Providing Technical Support and solutions for Network Problems.
- Creating and managing user accounts to all team members in partner environment.
- LAN cabling in compliance with CAT6 standards; Installing new hardware and swap out hardware physically.
- Worked with Cisco IOS, NX-OS, IOS-XR.
- Managed VPN, IPSec, Endpoint-Security, status policy, Application control, IPS, Monitoring, Anti-Spam, Smart Provisioning, DLP using Checkpoint Firewalls.
- Maintenance and configuration of Cisco ASR1000 series and 7200VXR routers at data center and deployment of 3900, 3800, 2951 and 2821 for branch connectivity.
- Communicating and escalating tickets with service providers for network outage issues.
- Managing the DNS entries using Infoblox.
- Configuring and implementing F5 BIG-IP, LTM, GTM load balancers to maintain global and local traffic.
- 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.
- Configuring and implementing F5 BIG-IP Load balancer.

- Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
- Configuring ASA Firewall and accept/reject rules for network traffic.
- Designing, implementing LAN/WAN configurations on Cisco 5K, catalyst 6500 switches.
- Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design.
- Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems.
- Implementing, configuring, and troubleshooting various routing protocols like RIP, EIGRP, OSPF, and BGP etc.
- Performing network monitoring, providing analysis using various tools like Wireshark, Solar winds etc.

Network Engineer

TEOCO Corporation - Fairfax, VA - October 2013 to May 2015

Responsibilities:

- Deploying and decommissioning the VLANs on core ASR 9K, Nexus 7K, 5K, 3k and its downstream devices
- Experience with Cisco Catalyst 6500 and 6800 series core switches
- Providing Network Support in the designing and implementation of P2P over T1s Frame Relay, IP over Frame Relay.
- Configuring and troubleshooting routing issues related to protocols like RIP, OSPF, and BGP.
- Had implemented several MPLS Solutions involving Routing protocols like OSPF, BGP.
- Managing and Working with IPSEC tunnels, LAN to LAN VPN implementations.
- Worked on 3750 and 3850 access switches.
- Responsible for managing and configuring Layer 2 and layer 3 devices for customer's network.
- Configuring and troubleshooting QOS, VLAN, Spanning Tree, VTP and HSRP.
- Making configuration change recommendation for routers, switches, and firewalls.
- Configuring routing protocols OSPF, EIGRP, RIP.
- Managing and working with VPNs within the organization and to third-party entities.
- Attending the managerial and Technical meetings to discuss the current progress of the project.
- Creating a detailed design drawing of the sites, which are under up-gradation and getting it validated from the technical design team.
- Implemented, Monitoring, Troubleshooting and Convergence in Frame-Mode MPLS inside the core.
- Worked with senior network engineers for multiple site upgrades comprising of data and VOIP equipment's and also in re-configuring the new devices, as well as making sure projects are done under defined timelines.
- Installed wide range of network equipment.
- Configured Layer2 and Layer3 equipment.
- Building and configuring the Network as per requirement of Clients and Company.

Network Engineer

IBOX Technologies - Chennai, Tamil Nadu - August 2012 to September 2013

Responsibilities:

- Deployed in building the Datacenter right from the scratch, turning up devices and getting into Production.
- Deploying Nexus 2248 Fabric Extenders, 5548 series Fabric Interconnect and 7010, 7018 series switches in Server Farm environment with VPC&VDC features.
- Performing Legacy Catalyst 6509 with SUP-720, Catalyst 4507 with SUP-6 switches migration to Nexus 7k with SUP-2E as part of the data center refresh.
- Performing OTV to extend L2 VLANs between data centers over IP on Nexus7018 switches.
- Configuring/troubleshooting various routing protocols like OSPF, EIGRP, BGP on Cisco router series including 2900, 3600, 3900, 7200, 7600.
- Hands-on experience with BGP multi-homing and configuration of Peer-Groups, Route maps.

- Testing various BGP attributes like AS Path, local preference, MED, Weight and replicated customer issues in the testing environment lab.
- Implementing redundancy with HSRP, Ether channel technology (LACP, PAGP) etc.
- Configuring Cisco Catalyst 2900, 2960, 3560, 3750, 4500, 4900, 6500 series and Nexus 2248, 5548 and 7010 switches.
- Performing network deployment & troubleshooting tasks such as creation and management of VLANs, port security, trunking, STP, RPVST+, Inter-VLAN routing and LAN security.
- Network Design and Deployment of MPLS cloud - Designed, constructed, implemented, tested and launched various network nodes featuring BGP, OSPF, MPLS and VLANs using RSTP.
- Gateway redundancy protocols HSRP, GLBP and VRRP.
- Implementation and operational support of routing protocols and topologies including BGP, OSPF, MPLS, DMVPN.
- Working with Cisco catalysts switches that include 3750, 4500 and 6500 in multi VLAN environment for implementation of inter-VLAN routing, 802.1Q trunking and Ether channel.
- Implementing Firewall policies on Cisco ASA5500.
- Overseeing the VPN configuration providing secure access to the users.
- Working with F5 BIG-IP LTM 3900, configured profiles and ensured high availability.
- AAA implementation for network device management with TACACS+ and Radius server.
- Implementing on Policy Base Routing (PBR)
- Managing and configuring of Access lists, configuring of Wide Area Networking Protocols, HDLC, PPP, Frame Relay, NAT, HSRP and VPN and DMVPN.
- Preparing engineering documents and network diagrams in Microsoft Visio.
- Used internal network monitoring tools such as Solar Winds to ensure network connectivity and Protocol analysis tools to assess the network issues causing service disruption.

Network Engineer

Technova Solutions - Chennai, Tamil Nadu - March 2009 to July 2012

Responsibilities:

- Responsible for implementing, engineering & level 2 support of existing network technologies / services & integration of new network technologies / services.
- Building large scale Network environment using routing protocols like OSPF, EIGRP, and BGP.
- Configuring route redistribution between EIGRP and OSPF.
- Involved in Network Designing, Routing, DNS, IP Subnetting, TCP/IP protocol.
- Performing Route Filtering and Route Manipulation by applying distribute-lists, route-maps & offset lists.
- Diagnose MPLS protocol problems including VRF and COS issues to full resolution.
- Providing Layer-3 redundancy by implementing HSRP in the network.
- Hands-on experience in implementation and troubleshooting of BGP version 4, OSPF, IPV4 and Ethernet Protocols.
- Managing various VLANs, IP addressing for various subnets, VLAN Trunking between various access-switches.
- Used Load Balancers F5 Big-IP6900 and 3900 between the servers inside the Network and in the Server Farm.
- Performance fine tuning and maintaining customer network devices to provide high availability for the applications, proper bandwidth utilization and to avoid network congestion.
- Configuring Standard and Extended Access Control Lists (ACLs) and Firewalls.
- Designing and Implementing VPN and remote access support.
- Pro-active Monitoring and Alerting of client's network for any alarms.

- Testing and validating new solutions in lab before deploying them to customers.

SKILLS

BGP (8 years), EIGRP (8 years), HSRP. (7 years), MPLS (7 years), OSPF (8 years)

ADDITIONAL INFORMATION

Technical Skills:

Routers: Cisco 2620, 2901, 3925, 3945E, 7201, 7613

Switches: Cisco Catalyst 2232, 2960, 3560, 4507R+E, 5596, 6509-E, 7009 Nexus 2232, 5596, 7009

Routing: OSPF, EIGRP, BGP, RIP, PBR, Route Filtering, Redistribution, Summarization, Static routing

Switching: LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Ether channels, MPLS, Transparent Bridging

Juniper: EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210, SRX240

Network Security: Cisco ASA 5540, ACL, IPSEC

Load Balancer: F5 Networks (Big-IP) LTM 6400, 1600

LAN: Ethernet, Fast Ethernet, Gigabit Ethernet

WAN: PPP, HDLC, Channelized links (E1/T1/E3/T3), Fiber Optic Circuits, Frame Relay Gateway HSRP, VRRP, GLBP, Various Features IOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP, FTP