

Khadar Khan

Sr. Network engineer - Genuine Parts Company

Atlanta, GA - Email me on Indeed: [indeed.com/r/Khadar-Khan/8dab186ffbc97ce](https://www.indeed.com/r/Khadar-Khan/8dab186ffbc97ce)

- 7 years of experience in Networking, including hands-on experience in providing network support, installation and analysis for broad range of LAN/WAN/MAN communication systems.
- Proficient in Cisco IOS for configuration & troubleshooting of routing protocols: MP-BGP, LDP, EIGRP, RIP, OSPF, MPLS and BGP v4.
- Excellent knowledge in Routing, Switching, Firewall and Gateway technologies, system design, wireless design, data network design, capacity management and network growth.
- Hands on experience in installing, configuring, maintaining and troubleshooting Cisco Switches, Cisco Routers, Juniper EX Switches, Juniper Routers and Cisco Nexus Switches.
- Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
- Responsible for Check Point and Cisco ASA firewall administration across global networks.
- Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether-channel, STP, RSTP and MST.
- Implementation of HSRP, VRRP and GLBP for Default Gateway Redundancy.
- Experience in testing cisco routers and switches in laboratory and deploy them on site production.
- Expert level knowledge on OSI model and TCP/IP protocol suite.
- Worked on Network Topologies and Configurations, Routers, Frame Relay, Token Ring, ATM, Bridges, Switches, Hubs and Repeaters.
- Strong knowledge of TACACS+, RADIUS implementation in Access Control Network.
- Experience in Designing and assisting in deploying enterprise wide Network Security and High Availability Solutions for ASA.
- 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 design.
- Worked on Extensively on Cisco Firewalls, Cisco PIX [...] & ASA [...] Series.
- Responsible for Checkpoint and Cisco ASA firewall administration across our global networks.
- Strong knowledge of Cisco and Juniper software (IOS/XR and JunOS) and hardware.
- Installation, configuration, and management of WAN optimizer, Riverbed Steelhead.
- Experience with hardware load balancer administration and support, preferably with F5 and Cisco ACE load balancers.
- Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and Cisco ASA VPN experience.
- Experience in layer-3 Routing and layer-2 Switching.
- Experience with VOIP and QOS implements and support.
- Experience in installing and configuring DNS, DHCP server.
- Good Knowledge in troubleshooting issues on NAT.
- In depth understanding of Ipv4 implementation of sub netting
- Experience with Putty, Exceed, Secure CRT, GNS 3 and Cisco Packet Tracer.
- Adept in preparing Technical Documentation and presentations using Microsoft VISIO/Office.
- Ability to Install, Manage & Troubleshoot Large Networks & Systems Administration on Windows & Linux platforms in Development, Lab & Production Environments.
- Excellent customer management/resolution, problem solving, debugging skills and capable of quickly learning, effectively analyzes results and implement and delivering solutions as an individual and as part of a team.

Willing to relocate: Anywhere

WORK EXPERIENCE

Sr. Network engineer

Genuine Parts Company - Atlanta, GA - April 2014 to Present

Responsibilities:

- Configured and deployed VDC and VPC between Nexus 7018 and Nexus 5548 switches along with FEX 2248. Deployed Horizontal connectivity using OTV. Have a good understanding of Fabric Path.
- Proficient hands on experience in configuring Cisco Catalyst 2900, 2960, 3560, 3750, 4500, 4900, 6500 series and Nexus 2248, 5548 and 7010 switches.
- Involved in the troubleshooting aspects of complex network infrastructure using the routing protocols like EIGRP, BGP.
- Worked on multiple issues like troubleshooting CE side VRFs and routing issues with BGP multi-homing across multiple MPLS Clouds.
- Experience working with 2600, 2900, 3600, 3900, 7200, 7600 series Cisco Routers
- Expertise in Layer-2 Ethernet Switching deployment with technologies like STP, RSTP, PVST, RPVST along with troubleshooting of inter-VLAN routing and VLAN Trunking using 802.1Q. Hands on troubleshooting experience with First Hop redundancy protocol like HSRP and GLBP.
- Strong working experience on Cisco ASA 5540 Series that includes rule deployment, configuration using Network & Port objects. Deployment of DMZ and troubleshooting ASA Cluster failovers.
- Performed load balancing and application level redundancy by deploying F5 BIG-IP LTM 3900.
- Involved in the configuration and maintenance of IPSec Site-Site VPN.
- Performed basic security and ACL administration on Juniper SRX firewalls. That includes day to day rule deployment, troubleshooting using data flow analysis and packet capture.
- Planned and implemented network designs, including WAN, LAN, MPLS.
- Background in network design, including Wide Area Networking (WAN), Local Area Networking (LAN), Multiple Protocol Labeling Switching (MPLS), DS3.
- Actively involved in fault management and change management of the network in order to provide high availability.
- Involved in the design and installation of Branch network systems, also maintained network documentation using VISIO.
- Responsible for entire LAN and WAN maintenance and troubleshooting of the company network.
- Involved in the Team of Data Center Operations to perform duties like administration and deployment of Cisco Routers and Switches according to the organization requirements and assisting with network capacity and high availability requirements.
- Involved in project planning and reviewing based on the requirements and deploying within the existing network. Used Riverbed appliance for Bandwidth optimization and application acceleration.
- Trouble-shooting duplex mismatch errors with steel head appliance.
- Reviewing all changes to network configuration for technical accuracy and provide solutions to Multi-Protocol Network problems.
- Configured and managed VLANs, 802.1Q Trunk, RPVST+, Inter-VLAN routing, HSRP and LAN security for Layer-2 and Layer-3 switching domains as per the organization's requirement plan. IP Allocation for all applications and servers with high availability throughout the company.
- Configured ASA 5540 to ensure high-end security on the network with ACLs and Firewall. Assigned a security level (0-100) on Cisco ASA and the number vary with the trust issues.
- For trusted it is 100 and less trusted it is 0. Worked with firewall SRX550 services gateway security for routing, switching and WAN connectivity.
- 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.
- Involved in designing and commissioning WAN infrastructure for redundancy in case of link failure.

- Responsible for technical evaluation, troubleshooting, overall project management, problem solving and turn-up of the service with the ISP.

Environment: RIP, OSPF, BGP, EIGRP, VLAN, MPLS, F5 Load Balancer 6400, STP, RPVST, LAN, WAN and HSRP, Juniper SRX, Juniper EX, LAN, WAN, VPN, DNS, DHCP, FTP, HTTP, CISCO ASA 5540

Sr. Network Engineer

TIAA-CREF - Charlotte, NC - October 2012 to March 2014

Responsibilities:

- Working in high availability Nexus Environment and provide Level 3 Network Support.
- Configuring, upgrading and verifying the NX-OS.
- Basic and advanced F5 load balancer configurations, general troubleshooting of the F5 load balancers.
- Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
- Analyzed customer application and bandwidth requirements, ordered hardware and circuits, and built cost effective network solutions to accommodate customer requirements and project scope.
- Configured routers and coordinated with LD Carriers and LECs to turn-up new WAN circuits.
- Providing Level 3 support to customers, resolving issues by attending to conference calls.
- Providing Level 3 Engineering and Support to other internal network engineers and contractors.
- Designing and installing new branch network systems. Resolving network issues, running test scripts and preparing network documentation.
- Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, and Bundle Ethernet implementation on ASR 9K redundant pair.
- 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.
- Configured various Router interfaces like ATM interface, T3 & Channelized T1 interfaces
- Configuring and troubleshooting CISCO catalyst 6509, 7609, 7613 with Supervisor cards, Cisco 3640, Cisco GSR 12416,21418(with PRP and RPR processors)
- Excellent Troubleshooting Skills and Customer Centric approach.
- Working with BGP, OSPF protocols in MPLS Cloud.
- 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 BGP, MPLS in Cisco IOS XR.
- Configuring Virtual Device Context in Nexus 7010.
- Configuring multiple route reflectors within a cluster.
- Working on HP open view map for Network Management System and Ticketing
- 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 related network security measures.
- Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 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/2K, Cisco ASA5510, Checkpoint, windows server 2003/2008: F5 BIGIP, LTM, OSPF, EIGRP, RIP, BGP, VLAN, VPN, Checkpoint, Juniper SRX

Network Engineer

GEHA - Lees Summit, MO - June 2010 to July 2012

Responsibilities:

- Understanding project requirements and implementing the projects by gathering requirements from customers.
- Network design and architecture like device planning and capacity planning.
- Configuring Cisco 7600, 7200 series routers with dynamic routing protocols like BGP, OSPF and EIGRP
- ISP links monitoring and performing changes in the network devices.
- Configuring Cisco 4506, nexus 2K and brocade switch based on customer requirement.
- Configuring ACL's to provide internet access and to advertise in ISP AS numbers.
- Configuring HSRP and VRRP to provide redundancy in the network level.
- Securing network by implementing firewalls and allowing access based on customer request.
- Configuring the Fortigate, Cisco and Sonicwall firewall models.
- Configuring VPN's like SSL, IPSEC vpn's for access servers through secure channel.
- Natting and patting the IP's to access servers from internet.
- Providing security by configuring three layer setups in network devices.
- Configuring Cisco, D-link and HP switches for server's connectivity.
- Configuring HA setups from end to end setup.
- Providing LB servers on application layer on shared devices boarding number of customers.
- Worked on Radware and F5 devices.
- Providing WAF services to provide application level security by adding WAF services.
- Closing the tickets with in the SLA timelines.
- Generating the devices availability reports through MRTG.
- Project documentation and Network architecture with L3, L2 and data flow diagrams.
- Resolving all network related issues.
- Performing addition/modification in network devices without effecting existing setups.
- Following ITIL process.

Environment: Cisco 2600 / 2800 / 3600 Cisco 2950 / 2960 series switches, Cisco Routers 7000, 5300, 4000, 2500, 3000, 2600, NAT, PAT, DHCP, DNS, OSPF, EIGRP, ASR, TCP/IP, LAN, WAN, Fort iGATE, CISCO and Dell SonicWALL Firewalls.

Network Engineer

TMG Health - Jessup, PA - June 2008 to May 2010

Responsibilities:

- Created scripts to monitor CPU/Memory on various low end routers in the network.
- Installed and maintained local printer as well as network printers.
- Completed service requests (i.e. - IP readdressing, bandwidth upgrades, IOS/platform upgrades, etc.)
- Identify, design and implement flexible, responsive, and secure technology services
- Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
- Providing support to networks containing more than 2000 Cisco devices.
- Performing troubleshooting for IOS related bugs by analyzing past history and related notes.
- Carrying out documentation for tracking network issue symptoms and large scale technical escalations.

- Ensure Network, system and data availability and integrity through preventive maintenance and upgrade.
- Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-Vlan routing, LAN security.
- Worked on the security levels with RADIUS, TACACS+.
- Managing the service request tickets within the phases of troubleshooting, maintenance, upgrades, fixes, patches and providing all-round technical support.
- Commissioning and Decommissioning of the MPLS circuits for various field offices.
- Preparing feasibility report for various upgrades and installations.
- Configured switches with port security and 802.1x for enhancing customer's security.
- Monitored network for optimum traffic distribution and load balancing using Solar winds.
- Validate existing infrastructure and recommend new network designs.
- Configuring and troubleshooting multi-customer network environment.
- Involved in network monitoring, alarm notification and acknowledgement.
- Implementing new/changing existing data networks for various projects as per the requirement.
- Troubleshooting complex networks layer 1, 2 to layer 3 (routing with MPLS, BGP, EIGRP, OSPF protocols) technical issues.
- Handled installation of Windows NT Server and Windows NT Workstations.
- Handled Tech Support as it relates to LAN & WAN systems

Environment: Cisco 7609S series routers, Cisco 2900 routers, 6513E switches, Check point firewall, Radware Appdirector.

ADDITIONAL INFORMATION

Technical Skills:

Network Configuration Advanced switch/router configuration (Cisco IOS access list, Route redistribution/propagation).

Routing Protocols • RIPV1, RIPV2, IGRP, EIGRP, OSPF, BGPv4, MP-BGP, Redistribution, Summarization, and Static Routing.

WAN Protocols: HDLC, PPP, MLPPP

Circuit switched WAN T1/E1 - T3/E3/OCX (Channelized, Fractional & full).

Packet Switched WAN ATM, FRAME RELAY, MPLS, VPNs

Security Technologies Cisco FWSM/PIX/ASDM, Nokia Checkpoint NG, Juniper SRX, PAP, CHAP, Cisco PIX, Blue Coat

Cisco Routers Cisco GSR 12416, 12418, Cisco 7200vrx, Cisco 3640, Cisco 3600

Cisco Switches Cisco 2960, Cisco 3560, Cisco 3750, Cisco 6500 series

Juniper EX Switches EX8200, EX4500, EX4200, EX3200, EX2500, EX2200 Series

Juniper Routers E, J, M and T- Series

Cisco Nexus Switches Cisco 7010, Cisco 7018, Cisco 5020, Cisco 2148, Cisco 2248

Layer 3 Switching CEF, MLS, Ether Channel

Layer 2 technology VLAN, VTP, VMPS, ISL, dot1q, DTP, Spanning-tree, PVST

Physical interfaces Fast Ethernet, Gigabit Ethernet, Serial, HSSI, Sonet (POS)

Redundancy and management HSRP, RPR, NSF/NSR

QOS CBWFQ, LLQ, WRED, Policing/Shaping.

VoIP Devices Cisco IP phones, Cisco 5500, 6500 series controller, Avaya 3000, 6000, 7200 series Controllers

Switches Catalyst 6500, MSFC, MSFC2, 7600, 3700, 3500

LAN Technologies Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port- channel, VLANs, VTP, STP, RSTP, 802.1Q

WAN Technologies Frame Relay, ISDN, ATM, MPLS, leased lines & exposure to PPP, HDLC, and CSU/DSU

Security Server Protocols TACACS+, RADIUS.

Gateway Load Balancing HSRP, VRRP, GLBP, EBGp

Network Management Tools Wireshark, Netflow Analyzer, Cisco Works, Ethereal, SNMP, HP open view.

Facilities DS0, DS1, DS3, OCX, T1/T3

Firewall ASA Firewall [...] Cisco ASA

Load Balancers Cisco CSM, F5 Networks (Big-IP)

WAN Optimizer Riverbed Steelhead Appliance

IPSEC/VPN Configuration

PIX to Router, Router to Router, PIX to VPN wildcard client, Router to VPN wildcard client, PIX to PIX, fully meshed configurations

Cabling CAT 5, CAT 5e, CAT 6, CAT 6a

Programming Languages C, C++, Verilog, Matlab

Operating Systems Microsoft XP/Vista/7, UNIX, Linux (Redhat, OpenSuse, Fedora) Windows Servers [...]

Windows MS-Office