

Farhad Rayani

Network Engineer - Pentegra Retirement

Rego Park, NY - Email me on Indeed: [indeed.com/r/Farhad-Rayani/302fdd425e54d1e5](https://www.indeed.com/r/Farhad-Rayani/302fdd425e54d1e5)

- Over 7+ years of expertise as Network Engineer in designing, performing Network analysis, troubleshooting, maintaining and supporting complex network systems.
- Proficient with network hardware and technologies including routers, switches, firewalls, Ethernet, Fast Ethernet, Gigabit Ethernet.
- Hands on experience in configuring Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers.
- Hands on experience in configuring Cisco Catalyst 2960, 3750, 4500, 6500 and Nexus 3000, 5000, 6000, 7000 series switches.
- Experience in LAN networking technologies (Spanning-Tree, VLAN, DTP, HSRP, VRRP, GLBP) and
- Experience in Routing Protocols (EIGRP, OSPF and BGP).
- Provided engineering support for network infrastructure such as proxies, load balancers, encryption, remote access servers (terminal servers), Remote client access, Network Admission Control (NAC),
- VPNs, SSL accelerators, WAN optimizers, DHCP controllers, and performance analysers).
- Working knowledge of RADIUS/TACACS authentication mechanisms.
- Expertise in configuration & troubleshooting of routing protocols and deployment of OSPF, EIGRP, BGP, MPLS, IP Multicast.
- Experience in switch security and network security firewalls technologies. And LAN/WAN Network Support for TCP/IP based devices.
- Configured and managed VLANs, 802.1Q Trunk, RPVST+, Inter-VLAN routing, HSRP, VRRP, GLPB and LAN security for Layer-2 and Layer-3 switching domains.
- Have Strong Knowledge and experience in designing, supporting and troubleshooting of IPSEC VPN's and Remote access SSL VPN'S.
- Experience in Network Management Tools and sniffers like SNMP, Syslog server, Wire shark and Cisco works to support 24 x 7 Network Operation Centre.

WORK EXPERIENCE

Network Engineer

Pentegra Retirement - West Harrison, NY - August 2015 to Present

- Designed and deployed a Cisco Identity Services Engine (ISE) solution (wired, wireless, and VPN users) for a commercial client with converged access switches and ASA firewalls.
- Identify Firewall Ports required for application using CSM as well as CLI logging feature as well as use Packet Tracer to verify Access Policy, NAT and Routing.
- Configured and maintained Cisco Call Manager, CTIOS, Unity and related Cisco Unified Communications configurations.
- Created documents for various platforms including Nexus 7k, ASR1k enabling successful deployment of new devices on the network.
- Built site-to-site IPsec VPNs over Frame-relay circuits on various models of Cisco routers to facilitate adding new business partners to new and existing infrastructures.
- Experience in configuring and maintaining F5 SSL VPN and network access and Single Sign-On (SSO) for SAML resources.
- Used load balancers ACE and load balancing technique with multiple components for efficient performance and to increase reliability through redundancy.
- Implementing and resolving issues on advanced routing protocols such as OSPF and BGP.

- Tuned BGP internal and external peers with manipulation of attributes such as metric, origin and local Preference.
- Experience with implementing and maintaining network monitoring system (Cisco works, HP Open view and Wireshark) and experience with developing network design documentation using VISIO.
- Responsible for turning up BGP peering and customer sessions, as well as debugging BGP routing problems.
- Analysed network problems and coordinated resolutions, Monitored network infrastructure traffic and access Logs.
- Troubleshooting experience with networks, identifying the root cause of the network failure with other support engineers.

Network Engineer

Toyota - Georgetown, KY - July 2014 to July 2015

- Involved in Product analysis and support for Access-layer switches such as Cisco 4510, 4948, 4507, distribution layer switches such as 6513, 6509, 6504 and a routed core.
- Participates in network planning and provides input on network design and the selection of network equipment.
- Configured site to site VPN for connecting student lab to training and development centres
- Worked on IP control for management and optimal allocation of IP addresses.
- Configured various LAN switches such as CISCO CAT 2900, 3550, 4500, 6509 switches and Access layer switches such as CISCO 4510, 4948, 4507 switches for VLAN, Fast Ether Channel configuration.
- Worked on Route-Reflectors to troubleshoot BGP issues related to customer route prefixes also route filtering using Route-maps.
- Perform any required interface, VLAN, trunking, and routing moves, adds, and changes for existing services.
- Monitor and analyse network threats through Palo Alto Panorama; run vulnerability assessment on machines with anomalous behaviour, monitor firewall for incoming and outgoing threats.
- Enabled STP attack (BPDU Guard, Root Guard) using MD5 authentication for VTP, disabling all unused ports and putting them in unused VLAN.
- Performed any required interface, VLAN, trunking, and routing moves, adds, and changes for existing services.
- Engaged in on going performance monitoring of installed hardware and WAN circuits recommending or implementing changes to improve performance.
- Optimized and configured performance of the WAN network consisting of Cisco Nexus 5000 series Switches by configuring VLANs.

Network Engineer

ORTAM Technologies - January 2012 to November 2013

- Performed network implementation that includes configuration of routing protocols, leased lines, ISDN lines, VLANs and IOS installations.
- Installation and Configuration of Cisco Catalyst switches 6509, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design Document and followed the change process as per IT policy.
- Worked with layer 2 switching technology architecture. Implemented L2 switching functionality, which includes the use of VLANs, STP, VTP and their functions as they relate to networking infrastructure requirements including internal and external treatment, configuration and security.
- Worked on installation, maintenance, and troubleshooting of LAN/WAN (ISDN, Frame relay, NAT, DHCP, TCP/IP).
- Configuring and installing client and server network software for upgrading and maintaining network and telecommunication systems.

- Implemented VTP and Trunking protocols (802.1q and ISL) on 3560, 3750 and 4500 series Cisco Catalyst switches.
- Continually monitored, assessed and improved network security along with testing and implementing new security technologies.
- Maintain and troubleshoot switch applications and Network connectivity including DNS, DHCP, LAN and TCP/IP issues.
- Configured Routing protocols such as OSPF, BGP, static routing and policy based routing.
- Performed IOS upgrades on 2900, 3500 series Cisco Catalyst switches and 1800, 2600, 3600 series Cisco routers using TFTP.
- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Provide direct day to day support for various technologies.

Network Engineer

Surface View Technologies India - July 2009 to October 2012

- Involved in the troubleshooting aspects of complex network infrastructure using the routing protocols like EIGRP, OSPF & BGP.
- Planning and configuring the routing protocols such as OSPF, RIP, and Static Routing on the routers.
- Created Lab demonstrations for new technology deployments with loaner equipment from various vendors and presented the findings to upper management.
- Engineered, configured, and implemented numerous network solutions containing BGP, EIGRP, IGRP, OSPF, RIP routing protocols depending on customer needs.
- Configured and performed troubleshooting on link state protocols like OSPF in single area and multiple areas.
- Redesigned Internet connectivity infrastructure for meeting bandwidth requirements.
- Performed Migration of RIP V2 to OSPF, BGP routing protocols.
- Configured EIGRP for Lab Environment.
- Designed solutions for frozen requirements using Cisco Routers and Switches.
- Deployed the network infrastructure to meet the requirements.
- Enhanced WAN network resilience expertly implementing dual hub and spoke/hub WAN topology stimulating flawless operation upon failure of primary WAN connection.
- Monitoring / tracking projects with respect to budgeted cost, demand forecasts, time over-runs to ensure timely execution of projects.
- Provide Technical Support for fault diagnosis, analysis & rectification of LAN & WAN networks.

SKILLS

BGP (7 years), CISCO (7 years), OSPF (7 years), ROUTING PROTOCOLS (7 years), LAN (6 years)

ADDITIONAL INFORMATION

Technical Skills

Routers Cisco 2600, 3600, 3800, 7200, 7600

Switches Cisco 2960, 3750, 4500, and 6500 and Nexus 2K/3K/5K/7K series

LAN Technologies Ethernet, Fast Ethernet, and Gigabit Ethernet, SMTP, VLAN, Inter-VLAN Routing, VTP, STP, RSTP, Light weight access point, WLC.

WAN Technologies Frame Relay, MPLS, PPP, HDLC, (E1/T1/E3T3), DS3, OC192.

Network Security Cisco ASA, ACL, IPSEC, SSL.

Routing Protocols RIP v1/v2, OSPF, EIGRP, IS-IS, BGP, PBR, Route Filtering, Redistribution, Summarization and Static Routing.

Gateway Load Balancing HSRP, VRRP, GLBP

Various Features / Services IOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP and FTP.

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

Security Server Protocols TACACS+, RADIUS

Load Balancer F5 LTM/GTM

Operating Systems Cisco IOS, Windows NT 4.0 (Desktop/Server), Windows Server 2003, 2008, 2012, Windows XP/Windows 7/8, LINUX, Exchange server 2007, 2013.