

Praneeth Madhira

Houston, TX - Email me on Indeed: [indeed.com/r/Praneeth-Madhira/5eaf728e9f411882](https://www.indeed.com/r/Praneeth-Madhira/5eaf728e9f411882)

- Over 6+ 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

Authorized to work in the US for any employer

WORK EXPERIENCE

Network Engineer

ExxonMobil - Houston, TX - February 2017 to Present

Responsibilities:

- Implemented antivirus and web filtering on Juniper SRX 240 at the web server
- Responsible for the Global design, engineering, and level 2/3 support of existing network technologies services and the integration of new network technologies / services
- Key contributions include troubleshooting of complex LAN /WAN infrastructure that include routing protocols EIGRP, OSPF & BGP.

- Providing daily network support for national wide area network consisting of MPLS, VPN and point-to point site.
- Worked with Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for data center access architecture.
- Configure VRRP & GLBP and VLAN Trunking 802.1Q & ISL, STP, Port Security on Catalyst 6500 switches.
- Configuring STP for switching loop prevention and VLANs for data and voice along with Configuring port security for users connecting to the switches.
- 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+.
- Verified the existing configuration on every interface meets the standard (like access ports having Portfast and BPDU guard enabled).
- Upgraded the IOS on the 6500 switch and saving the old system configuration and running-configuration.
- Experience with implementing Cisco 6500 VSS on the User distribution switches.
- Carried out Route-redistribution between different routing protocols like OSPF, BGP, and EIGRP for increased efficiency.
- Implemented Access lists and policy mapping on Juniper router installed in each branch across all the states.
- Administration of ASA firewalls in the DMZ and FWSM in the Server Farm to provide security and controlled/restricted access.
- Handled SRST and implemented and configured the Gateways, Voice Gateways.
- Tested and implemented various BGP attributes such as Local Preference, MED, AS-PATH, Community, Extended community using route-maps.
- Configuring Big-IP F5 LTMs (virtual servers, pools, SNATs, health monitors, irules) for managing the traffic and tuning the load on the network servers.
- Serve as part of a team of network engineers responsible for base wide network upgrade from Cisco Layer 3 Catalyst switches to Juniper Layer 3 EX4200 & EX3200 switches.
- Design, implement and administer IPv4/IPv6 enterprise network infrastructure utilizing Juniper routers.
- Worked on Juniper MX 480, MX960.
- Implementing iRules on LTMs for http traffic redirection.
- Expert in Microsoft Visio 2013.

Environment: EIGRP, OSPF, BGP, RADIUS, TACAS+, CISCO 6500, F5 LTMs, Juniper MX 480, 960, Juniper EX 3200,4200, VLAN TRUNKING 802.1Q, NEXUS 2K, 5K.

Network Engineer

American Society of Clinical Oncology - Alexandria, VA - May 2016 to February 2017

Responsibilities:

- Worked on Network design and support, implementation related internal projects for establishing connectivity between the various field offices and data centers.
- Responsible for the installation, configuration, maintenance and troubleshooting of the company network. Duties included monitoring network performance using various network tools to ensure the availability, integrity and confidentiality of application and equipment and to provide support for Cisco network.
- Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers
- Configuring VLAN, Spanning tree, VSTP, SNMP on EX series switches
- Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
- Performing the daily health Check in Telecomm and Networking.
- Worked on cisco policy trace, Access policies, and URL categories to either give or block the • Access to particular websites using Iron Port Proxies.
- Worked on CLI to enable the ports and configuration of switches and routers.
- Upgrading the IOS to the newest version using the console, TFTP server on Firewalls, switches and

Routers.

- Physically connecting the ports between the switches and the servers on to the racks.
- Setting up the WIFI connections whenever needed as per the users requests.
- Enabling the TCP, UDP, SMTP ports to allow the traffic from one server to another server by performing the trace route to find out where the traffic is blocked by the firewall.
- Setting up the Agents in Cisco Unified Call Manager (UCM), unity, ICM.
- Performed testing of agent Extension mobility phones.
- Assigning the Channels to each agent on VOIP ULTRAVAM devices.
- Troubleshooting the VAM and HUB servers when an issue arises.
- Troubleshooting issues with vendors in case of failures in call recording.
- Troubleshooting connectivity issues to web links on both internal and external domains
- Worked on configuring internet connection within the organization by consulting with different Vendors
- Configured Juniper MX480s, EX8200s, EX4500s, EX4200s, and SRX5800s from scratch to match design.
- Troubleshoot the BIG-F5 1600 LTM through constant contact with the vendor.
- Configuring and troubleshooting site-to-site IPSEC VPN tunnels on VPN concentrators and ASA firewalls with private vendors.
- Worked on commissioning and decommissioning of the MPLS circuits for various field offices.
- Network Cabling, dressing, labeling and troubleshooting various network drops onsite.
- Worked on Organization's cell phones issues.
- Weekly documentation of updates on our technical work.

Environment: VSTP, SNMP. OSPF, BGP, IRON PORT, TFTP SERVERS, TCP, UDP, SMTP, VOIP ULTRAVAM, Juniper MX480s, EX8200s, EX4500s, EX4200s, SRX5800s, BIG-F5 1600 LTM, IPSEC VPN, MPLS.

Network Engineer

EA Markets - New York, NY - August 2015 to May 2016

Responsibilities:

- Responsible for the Global design, engineering, and level 2/3 support of existing network technologies services and the integration of new network technologies / services
- Key contributions include troubleshooting of complex LAN /WAN infrastructure that include routing protocols EIGRP, OSPF & BGP.
- Providing daily network support for national wide area network consisting of MPLS, VPN and point-to point site.
- Configured RIP, OSPF and Static routing on Juniper M and MX series Routers.
- Data center to new Juniper M120.
- Racking, stacking, configuring NEXUS 5K and 2K and 7K.
- Worked with Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for data center access architecture.
- Configuring Cisco ACS 4.0 along with TACACS+ server authentication.
- Configure VRRP & GLBP and VLAN Trunking 802.1Q & ISL, STP, Port Security on Catalyst 6500 switches.
- Creating, adding and deleting new rules and objects on Checkpoint firewalls R65/ R75.
- Troubleshoot network issues using Checkpoint tracker tool.
- Documentation involved preparing MOPs, Work Orders, DCE cabling and NEMS request. Also creating and submitting Remedy tickets and Homer work orders.
- Configuring Big-IP F5 LTMs (virtual servers, pools, SNATs, health monitors, irules) for managing the traffic and tuning the load on the network servers.
- Implementing iRules on LTMs for http traffic redirection

- Configuring and troubleshooting site-to-site IPSEC VPN tunnels on VPN concentrators and ASA firewalls with private vendors.
 - Configuring STP for switching loop prevention and VLANs for data and voice along with Configuring port security for users connecting to the switches.
 - Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-Vlan routing, LAN security.
 - Worked in Configuration and extension of VLAN from one network segment to other segment between different vendor switches (Cisco, Juniper)
 - Worked on commissioning and decommissioning of the MPLS circuits for various field offices.
 - Updated the HP open view map to reflect and changes made to any existing node/object.
 - Handled SRST and implemented and configured the Gateways, Voice Gateways.
 - Network Cabling, dressing, labeling and troubleshooting various network drops onsite.
- Environment: EIGRP, OSPF, BGP, RIP, MPLS, JUNIPER M, MX SERIES, NEXUS 2K, 5K, 7K, TACACS+, VLAN TRUNKING, BIG-IP F5 LTMS.

Network Engineer

FutureNet Technologies India Pvt Ltd - March 2011 to May 2014

Responsibilities:

- Worked as part of a team to manage Enterprise Network Infrastructure as a Tier 3 Support Engineer.
- 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.
- Configuring Firewall switch module on Cisco 6506 distribution layer switches.
- Configuring VTPs, trunking, inter-vlan routing, port fast, uplink fast, and backbone fast on access layer switches.
- Enable STP attack mitigation (BPDU Guard, Root Guard), using MD5 authentication for VTP.
- Planned and installed Frame Relay WAN links to the branch offices.
- Implemented a backup for the existing WAN connection using site to site IPsec VPN tunnels.
- Configuring and troubleshooting OSPF routing protocol on the corporate network.
- Worked on the migration of Frame Relay based branches to MPLS based VPN for customer's WAN infrastructure.
- Worked on the migration of existing PIX firewall to ASA firewall. PIX OS upgrade from 6.3 to 7.0 (x)
- Has done the Configuration on BIG IP (F5) Load balancers and also monitored the Packet Flow in the Load balancers.
- Has a good experience working with the Trouble Tickets on F5 Load balancers.
- Switch experience includes Cisco Catalyst switches: CISCO 3750, 4500, 6500 series switches.
- Managing enterprise BGP setup by configuring and troubleshooting BGP related issues. My responsibility was also to add new BGP peers for remote branch offices and business partners.
- Scaling of IGP and BGP in the core.
- Administration of ASA firewalls in the DMZ and FWSM in the Server Farm to provide security and controlled/restricted access.
- Dealt with implementation of deployment related to Cisco devices and applying security policies on it.
- Troubleshoot issues related to VLAN, VLAN Trunking, HSRP failovers, related issues.
- Configuration of NAT.
- Maintain effective communications with vendors, peers and clients in resolution of trouble-tickets, equipment RMAs, and support requests.
- Planning for upgrade of IOS on devices and performing the upgrade.
- Assisted in the architecture, evaluation and recommendations related to purchasing and installing hardware, software related to IP Networking.

- Monitored network traffic and developed capacity planning initiatives, making necessary recommendations for additional resources or hardware.
- My responsibilities also include writing and executing Test Plan, Desk level procedures and Test Case Documents for smooth network operations of the remote location, assisted in design guidance for infrastructure upgrade.

Environment: CISCO 2K, 3K, 5K, 6K,7K SERIES, VTP, MDS, IPSEC VPN, OSPF, MPLS, PIX FIREWALL, ASA FIREWALL, BIG IP(F5), BGP, HSRP, IP NETWORKING.

SKILLS

BGP (5 years), CISCO (5 years), MPLS (5 years), OSPF (5 years), VLAN (5 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

IOS Features IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP, FTP

AAA Architecture TACACS+, RADIUS, Cisco ACS

Network Management Wireshark, SNMP, Ethereal, EMC Smarts

Operating Systems Windows (98, ME, 2000, XP, Server [...], Vista, Windows 7)