

Punitha Devi

Network Engineer - Inovalon

Edison, NJ - Email me on Indeed: [indeed.com/r/Punitha-Devi/52d2727753308462](https://www.indeed.com/r/Punitha-Devi/52d2727753308462)

Willing to relocate: Anywhere

Sponsorship required to work in the US

WORK EXPERIENCE

Network Engineer

Inovalon - Bowie, MD - June 2016 to Present

Provided network configuration and implementation of all cisco products including routers, switches and ASA. Dedicated time for day to day operation of infrastructure and network as well.

Responsibilities

- Design WAN structure to prevent single point of failure in case of a link failure
- Configured ASA 5500-X Series firewalls to provide highly secure and high performance connectivity between the site locations.
- Experience in maintenance and troubleshooting of connectivity problems using PING, Traceroute
- Planning and implementation of Subnetting, VLSM to conserve IP addresses
- Experience in configuring STP for loop prevention and VTP for Inter-VLAN Routing
- Configuration and troubleshooting of EIGRP, OSPF, and BGP
- Configuration of Standard and Extended ACLs for Security
- Provide technical assistance for LAN/WAN management and complex customer issues.
- Work on PIX firewalls to build ACL rules for extranet connectivity and implement rules on corporate firewalls.
- Monitored logs for issues.
- Configured and troubleshot Nexus 5k and 7k series.
- Responsible for managing the TFTP logs for VPN and firewall services.
- Troubleshoot VPN tunnel issues like SA, RSA, ISAKMP encryption and cleared/refresh VPN tunnel issues
- Perform IOS upgrades on Catalyst 6500, 3550, 2950, 1900 switches, and 3600, 2600 and 2500 routers
- Implement and configure routing protocols like EIGRP, OSPF, BGP and troubleshoot related issues.
- Monitor, manage and troubleshoot the network using Network Monitoring tools.
- Implement Network Security with Cisco IOS Feature Set, NAT, and Simple Network Management Protocol
- Involved in installing and configuring PIX 515E firewall
- Deal with DNS, DHCP troubleshooting and other IP conflict problems
- Implementation of name resolution using WINS & DNS in TCP/IP environment
- Installation of Windows 2003 & 2008 on Servers using VMware Virtualization software.
- Prepare the technical documentation using Microsoft Visio/Microsoft Office.

Environment: Cisco routers 3700, 3800, 7200, 7604, Cisco catalyst series Switches 2960, 3750, 3560, 6500, Nexus 5k, Nexus 7k, MPLS, Frame Relay, VRF, DSLAM, RIPv2, OSPF, BGP, IPSEC, VLAN, STP, VTP, HSRP.

Network Engineer

Earth Link - Rochester, NY - January 2015 to May 2016

Provided network configuration and implementation of all cisco products including routers, switches and ASA. Worked on different projects dealing with wireless network planning and LAN network configuration and support

Responsibilities:

- Configuration of EIGRP and OSPF as interior gateway protocol with route filtering and route redistribution.
 - Extensive experience in configuring and implementing EIGRP, OSPF and BGP.
 - Support the core network consisting of Cisco 7200 series routers running multi area OSPF
 - Implement stub/Totally stub areas and various OSPF features like route-summarization and SPF throttling.
 - Responsible for service request tickets generated by the helpdesk such as troubleshooting, maintenance, software upgrades, patches and fixes with all around technical support.
 - Responsible for Data center Monitoring and Performance Tuning.
 - Support EIGRP and BGP for problems of L2/L3 in internal teams & external customers.
 - Collaborate amongst a group of Security Professionals to finalize consolidation of the DMZ Firewall Zone.
 - Configuration and implementation of various Cisco Routers and Nexus 3k switches.
 - Providing daily network support for national wide area network consisting of MPLS, VPN and point-to point site.
 - DHCP implementation to automatically assign reusable IP addresses to DHCP clients.
 - Design WAN link using PPP Multilink and by implementing Cisco WAAS
 - Used DHCP to automatically assign reusable IP addresses to DHCP clients.
 - Negotiate VPN tunnels using IPsec encryption standards and also configured and implemented site-to-site VPN, Remote VPN
 - Configure STP for switching loop prevention and VLANs for data and voice along with configuring port security for users connecting to the switches
 - Worked on commissioning and decommissioning of the MPLS circuits for various field offices
 - Network cabling, dressing, labeling and troubleshooting various network drops onsite.
- Environment: Cisco routers 1002, 2600, 2800, 7200, Cisco catalyst series switches 2950, 3700, 6500, Nexus 3k, OSPF, BGP.

Network Engineer

Frontier Communications - Rochester, NY - October 2013 to December 2014

Project involved multiple hardware device environment such as Cisco Nexus 5k/7k series switches and Cisco catalyst 7600/6500/2900 series.

Responsibilities

- Configured and implemented various Cisco Routers and L2 Switches.
- Supported core network consisting of Cisco 7200 series routers running multi area OSPF.
- Configured EIGRP and OSPF as interior gateway protocols with route filtering and route redistribution.
- Implemented stub/Totally stub areas and various OSPF features like route-summarization and SPF throttling.
- Responsible for service request tickets generated by the helpdesk such as troubleshooting, maintenance, upgrades, patches and fixes with all around technical support.
- Troubleshoot for Private Network, Cisco Wireless Routers and TCP/IP configurations /VPNs.
- Configuring, Managing and Maintaining Networking Equipment's such as Nexus 5000, 7000, Catalyst 6500.
- Configured Nexus 7010 including NX-OS Virtual Port Channels, Nexus port profiles, Nexus Version 4.2 and 5.0, Nexus VPC peer links.
- Developed good knowledge and skills in networking concepts, router and switch configuration with Cisco IOS, such as Nexus 5000, 7000, Catalyst 6500
- Involved in design and deploying various network security & High availability products like Cisco ASA and other security products.
- Managed Core network upgrade, Unified Communications & Identity Services Engine (ISE) deployment
- Support customer with the configuration and maintenance of ASA firewall systems
- Building campus network topologies with Layer 2 and Layer 3 technologies such as IP multicasting, IGMP/MLD, OSPF, STP, VLAN.
- Supporting EIGRP and BGP for problems of L2/L3 in internal teams & external customers
- Validate and test network topologies that will meet certification requirements.

- Perform offsite testing at external customer labs to validate solutions.
- Work with offsite development team to communicate any issues that arise during certification, perform root cause analysis to provide necessary information for resolution to issues.
- Responsible for assessing the existing network topology and propose an action plan to reduce the layer 2 loops on the network based on Nexus technology.
- Migration and installation of VPC's on Nexus 7K, 5K, 2K to get High availability on servers that were not configured with that functionality.
- Responsible for redesigning, integrating and installing on the existing network, 2 Nexus 7010, 4 Nexus 5548, and 8 Nexus 2248, in separate data centers
- Overall Network administration including QoS and traffic shaping across switched and routed networks, as it relates to VoIP.

Environment: Cisco catalyst series switches 7600/6500/2900, Cisco Nexus 5k/7k series switches, SolarWinds, Remedy, GNS3, Wire Shark

Network Analyst

Saksoft - Chennai, Tamil Nadu - January 2012 to September 2013

Performed support and daily operations of the network, telecom and troubleshooting networking issue also responsible for creating and maintaining diagrams and documentation of network system

Responsibilities:

- Worked and collaborated with a Team of IP Telephony Specialists, supported them on a need basis.
- Configured routers using routing protocols such as RIP, OSPF and BGP.
- Configure site to site IPsec VPN to provide communication between the branch office and headquarters.
- Configure Client VPN technologies including Cisco's VPN client via IPSEC.
- Configure Cisco voice over IP (VOIP) phones, and Telephony.
- Configure static routes, default routes, Frame Relay.
- Set up and troubleshoot secured wireless access points (WAP) and wireless LAN controller (WLC) for broadband internet.
- Provided security by using ACL, NAT.
- Involved in troubleshooting VLAN, RSTP, & Switch Trunk issues.
- Worked on replication between various domain controllers in Active Directory.
- Responsible for layer 2 security. Securely managed all switches and routers, and deployed a syslog server to allow proactive network monitoring.
- Configure IP allocation and subnetting for all applications and servers and other needs throughout company using VLSM addressing.
- SNMP network management using MRTG and Cisco works.
- Drawing Visio diagrams of the entire network and updating them.

Environment: Cisco Routers, Cisco Switches, Routing Protocols (RIP, BGP, OSPF), VPN Tunnels, Checkpoint Firewall, Frame relay, ACL, NAT, WAP, WLC, VLAN, RSTP, Active Directory, Tools (MRTG, Cisco Works).

Network Engineer

SEAL Infotech - Hyderabad, ANDHRA PRADESH, IN - July 2010 to December 2011

Managed LAN/WAN network & systems for the entire company as well as overall network related projects in the office and hosting environment. Communicated and worked with team members and various internal groups for timely resolution of network issues.

Responsibilities:

- Configuration and installation of Cisco Routers 2900 series, 3800 series, 3900 series, 7200 series, 7600 series.
- Maintenance and installation of Cisco 2960, 2975, 3750-E, 4500, 6500 Series Catalyst Switches, Nexus 3k/5k.

- Performed switching technology administration including VLANs, Inter-VLAN routing, trunking, port aggregation in the LAN environment.
- Implemented redundancy using VRRP Protocol on Core and distribution router
- MPLS Configuration in Cisco 3845 Series Router for Layer 3 circuits.
- Implementation and configuration of Load balancer BIG-IP F5.
- Configuring and troubleshooting of Layer 3 routing protocols such as OSPF and BGP.
- Coordinated with Network Administrator regarding BGP/OSPF routing policies and designs, worked on implementation strategies for the expansion of MPLS VPN networks.
- Creating dedicated VLANs for Voice and Data with QOS for prioritizing VOICE over DATA.
- Designed QOS policies for critical applications based on business requirements and traffic patterns.
- Worked with Wireless Network Engineer in deploying and configuring Cisco 1300 Series access point for network connections.

Environment: Cisco Routers - 2900, 3800, 3900, 7200, Cisco Series Catalyst Switches - 2960, 2975, 3750-E, 4500, 6500, Nexus 3k/5k, Cisco Pix Firewall, ASA Firewall, MPLS, Frame-Relay, VOIP, OSPF, BGP, VLANs, STP, PAGP, VRRP, Port Security, VPN, Load balancers, Access list, Wire shark.

SKILLS

BGP (7 years), CISCO (7 years), FIREWALL (7 years), OSPF (7 years), LAN (5 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Routers ASR 9000, Cisco CRS-X, 1800, 2500, 2600, 2800, 2900, 3200, 3600, 3700, 3800, 4000, 7600

Switches Cisco Cat 2960, 3750, 4500, 6500 7600 and Nexus 2K/3K/5K/7K series

Firewall ASA [...] Check Point [...] Palo Alto (PA [...])

Load Balancers F5 Networks (Big-IP) LTM, Cisco ACE 4710

LAN/ WAN BGP, MPLS, L3/L2VPN, QOS, Frame Relay, PPP, HDLC, Ethernet, WLAN 802.11, T1/T3

Routing Protocols ISIS, OSPF, EIGRP, RIP, BGP, Route Filtering, Redistribution, Summarization

Switching Protocols STP, RSTP, PVST+, RPVST+, 802.1q, VLAN, VTP, ARP, Ether channels

Gateway Redundancy HSRP, VRRP, GLBP

AAA Architecture: RADIUS, TACACS+, Cisco ACS

Miscellaneous NAT, SNMP, Syslog, SMTP, HTTP, FTP, DNS, DHCP, IGMP, ICMP

Network Tools Wireshark, Solar winds, Cisco Works, GNS3, TCP dump, OPNET

Languages Python, SQL, Bash Scripting

Operating Systems NX-OS, IOS-XR, Windows (Server [...]) OSX, Linux (Ubuntu, Kali, CentOS, Fedora)