

Nagbabu PA

Network Engineer - FEI Systems

Fremont, CA - Email me on Indeed: [indeed.com/r/Nagbabu-PA/cf83f0cfa6dc533](https://www.indeed.com/r/Nagbabu-PA/cf83f0cfa6dc533)

- Around 4 years of hands on experience in routing, switching, firewall technologies, implementation and troubleshooting of network systems.
- In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM and ARP, reverse & proxy ARP, Ping Concepts.
- Experience of routing protocols like EIGRP, OSPF, RIP, and BGP, MPLS/VPN.
- Good understanding of 802.11 Wi-Fi, Cisco Controller based Wireless and Freestanding Wireless.
- Experience with Network topologies and configurations, TCP/IP, UDP, Frame Relay, Token ring, ATM, bridges, routers, hubs and switches.
- Experience in troubleshooting issues on NAT configuring, access lists and DNS/DHCP issues within the LAN network.
- Implementing QoS Policy with policing and shaping for VOIP applications other queues, PBX, IP Telephone configurations on Cisco Devices as well as shell scripting.
- Extensive knowledge and experience in routing protocols as RIP, OSPF, EIGRP and BGP.
- Well experienced in configuring protocols HSRP, GLBP, ICMP, PPP, PAP, CHAP and SNMP.
- Experience in installing and configuring DNS, DHCP server.
- Experience in installing Cisco, Juniper, Arista, BNT, Nokia and HP devices.
- Experience in configuring Site-to-site and remote access VPN solutions.
- In depth understanding of IPV4 and IPV6 and implementation of Subnetting.
- Expertise in scripting for automation, and monitoring using Shell, PHP, Python & Perl scripts.
- Experience in configuring and implementing security with Cisco ASA, Checkpoint, Cisco IPS, Cisco security Manager, skybox, Tufin Secure Track.
- Configured Security policies including NAT, PAT, VPN, Route-maps, prefix lists, Access Control Lists on ASA/PIX Firewalls.
- Responsible for maintaining multi-vendor network environment including Cisco ASA, Juniper JUNOS, Fortinet firewalls, Palo Alto PA-200 and configuring different policies to provide connectivity.
- Implementing security Solutions using Palo Alto [...] Cisco ASA, Checkpoint firewalls R75, R77.20 Gaia and Provider-1/MDM.
- Expertise in Configuration of Virtual Local Area Networks using Cisco routers and multi-layer Switches and supporting STP, RSTP, PVST, RPVST along with trouble shooting of inter-VLAN routing and VLAN trunking using 802.1Q
- Extensive experience with routing protocols BGP, OSPF, EIGRP, RIP
- In depth understanding of IPV4 and implementation of Sub netting
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST
- Setup of site-site (IPSEC VPN) and (SSL VPN) remote VPN connections to communicate between branches
- Experience in Installing Firmware Upgrades, kernel patches, systems configuration, performance tuning on Unix/Linux systems.
- Experience in implementation, configuration & troubleshooting of Access Control Lists (ACL), NAT and Cisco IOS
- Have knowledge on various advanced technologies like VOIP, QOS, IPv4, Multicasting, and MPLS.
- Perform the configuration of Data Power Multi-Protocol Gateway (MPGW) and service proxies used to integrate external systems with the client's infrastructure.
- Define authentication, authorization, and accounting (AAA) policies on the Data Power.

- Deploying, configuring, maintaining and troubleshooting the vast majority of Palo Alto Networks-based network security implementations.
- Switching tasks include VTP, ISL/802.1q, IPsec and GRE Tunneling, VLANs, Ether-Channel, Trunking, Port Security, STP and RSTP.
- Solid understanding in MPLS, Point to Point WAN technology, and LAN/WAN topologies.
- Good experience in Virtualization.
- Configuring objects such as load balancer pools for local traffic management on F5 load balancers
- Hands-on experience with IOS-XR on ASR9K or CRS performing system upgrades & configuration.
- Solid Experience in Cisco Dynamic Fabric Automation, Cisco Prime and Amazon web services (AWS).
- Extensive Knowledge in Design and implementation Bluecoat, Websense, DLP solutions.
- Experience with the F5 Traffic Management Operating system, Route Domains and Develop iRules and apply rules within the F5 appliances.
- Configuring and Maintaining Virtual Machines on VMWARE and HYPER-V.
- Previous experience in customer relations provides additional versatility to excel in environments with new clients and colleagues Strong troubleshooting and problem solving skills, able to resolve technical challenges and provide creative solutions in high pressure production environments.
- Excellent team player with strong analytical, communication and presentation skills.

Willing to relocate: Anywhere

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Network Engineer

FEI Systems - Columbia, MD - April 2016 to Present

Responsibilities:

- Expert working knowledge including the ability to setup, configure, upgrade, manage and troubleshoot Juniper and Cisco routers, switches, VPN concentrators, firewalls, 802.11 wireless access points and load balancers.
- Responsibilities include web administration, adding, and removing accounts including e-mail, server performance and maintenance, installation and configuration of Cisco 700, Cisco 1600, Cisco 2600, Cisco 3600, series Router and Cisco 2900, Cisco 3500 series switches and some Juniper routers.
- Setting up VLANs and configuring inter-VLAN, Trunking, STP, PVST, RSTP, port aggregation & link negotiation on Ethernet channel between switches.
- Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, Inter-Vlan routing, LAN security and Spanning tree for creating Access/distribution and core layer switching architecture.
- Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF and BGP.
- Knowledge of Installation and Configuration of T1, Frame Relay, and ISDN, ACE Authentication, Radius reporting, and IP Services.
- Knowledge in Implementing and configuring F5 BIG IP LTM 6400 Load Balancers.
- Special focus on remote access VPN support and technical documentation
- Configuring objects such as load balancer pools for local traffic management on F5 load balancers.
- Provides technical support to clients, management, security administrators and network operations. Provides implementation support for risk assessment and data security procedures and products.
- Designed and implemented security systems including various Cisco IOS ACLs, Context-Based Access Control, PIX Firewall (PIX 506, 515), Network Intrusion Detection Systems, AAA Cisco Secure Access Control Server (Radius/TACACS+) and Linuxsyslog servers. Planned, configured and operated IPsec VPNs.
- Configured the Cisco IOS XR security features in both owner SDR and non-owner SDRs.

- Configured legacy route map configurations using the new Cisco IOS XR Routing Protocol Language (RPL).
- Testing the configuration on PCRF devices, Cisco ASR, IOS-XR routers, F5 firewalls.
- Extensive use of NSM (Network and Security Manager), FortiOS 5 and CSM (Cisco Security Manager) for adding or modifying firewall policies for the firewalls in use.
- Worked on ASA 5505, 5510 models and migration from PIX to ASA.
- Worked on Cisco ACE load balancer for minimizing traffic congestion.
- Designed, built, and implemented Checkpoint Firewall-1 VSX, with Provider-1 running on a Crossbeam X45 for evaluation by Chick-Fil-A.
- Provided on call support 24/7 and worked in NOC (Network operations center).
- Installation, Maintenance, Administration and troubleshooting of Linux, Sun Solaris, AIX, HP-UX systems

Environment: Cisco Routers, Cisco Switches, Nexus 7k/5k/2k Routing protocols, F5 Load Balancer HSRP, VRRP, IPSEC VPN, VPN, QOS, ASA firewall, Load balancer, MPLS, SVN, VLANS, VTP, RSTP, ACL, NAT, IDS/IPS, Monitoring tools (PRTG, HP Openview), SIP, RTP, RADIUS, TACACS+, Cisco Wi-Fi technologies, Juniper SRX, ASR 9000, CRS, Cisco ASR Firewall.

Network Engineer

Network Test Engineer

ANZ - Bangalore, Karnataka - April 2014 to November 2015

-Bangalore, Karnataka Apr 2014 to Nov 2015

Responsibilities:

- Managing entire LAN and WAN 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.
- Performed network administration tasks such as creation and management of VLANS, Port security, Trunking, RPVST+, Inter-VLAN routing, and LAN security.
- Worked with ASA Firewall configuration and Participated in Migration of PIX to ASA for hardware devices.
- Hands on experience with switching protocols VTP, ISL/802.1Q, IPsec, VPN Tunneling, VLANs Ether channel, Trunking, port security, STP and RSTP.
- Implemented redundancy for Routers, switches and firewalls
- Switches and supporting STP, RSTP, PVST, RPVST along with troubleshooting of inter VLAN routing and VLAN trunking using 802.1Q.
- Managed Cisco routers and troubleshoot layer1, layer2 and layer3 technologies of Inter VLAN routing and VLAN trunking Using 802.1Q.
- Configured ASA 5520 to ensure high-end security on the network with ACLs and Firewall.
- Worked with Cisco Catalyst 6500, 4500, 4900 switches and Cisco 2800, 3600, 3800, 7200 & 7600 series Routers.

- Deployed Nexus 2000, 5000 and 7000 series switches. Involved in Network Designing, Routing, DNS, IP Subnetting, TCP/IP protocol.
- Worked with Routing Protocols of EIGRP and BGP.
- Configured PVSTP+ for loop prevention and VTP for Inter-VLAN Routing.
- Worked on commissioning and decommissioning of the MPLS circuits for various field offices & POPs.
- GRE tunneling & Site-to Site VPN configuration between other two sites in USA.
- Implemented redundancy for Routers, Switches and Firewalls.
- Manage Cisco Routers and troubleshoot layer1, layer2 and layer3 technologies for customer escalations.
- IP Allocation & Maintenance for users and other needs throughout company.
- Responsible for working large customer facing projects that encompasses switch configurations, routing changes, firewall rules (Cisco, Juniper, Palo Alto), and load balancer deployments (including creating Virtual servers, server pools, SSL profiles, SSL offloading, custom health checks and iRules)

Environment: Cisco Routers ASR1002X/3945/3845/2800/3600, Load Balancer (BIG-IP), Cisco ASA Firewalls, STP, F5 Load Balancers, VLAN, VTP, VPN, NAT, OSPF, BGP, EIGRP

Network Test Engineer

Begonia Information Systems-Hyderabad, A.P May 2013 to Mar 2014

Responsibilities:

- Worked on installation, maintenance, and troubleshooting of LAN/WAN (ISDN, Frame relay, NAT, DHCP, TCP/IP)
- Configured Routing protocols such as OSPF, BGP, RIP, static routing and policy based routing
- Performed network QA test, executed system analysis and troubleshooting in order to resolve problems on servers, workstations and other network devices
- Planned and executed 802.11 Wireless LAN adapter testing to model potential customer setups and deploy wireless solutions
- Configured HSRP and VLAN trunking 802.1Q, VLAN Routing on Catalyst 6500 switches
- Responsible for Internal and external accounts and, managing LAN/WAN and checking for security
- Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture
- Provided Technical support for improvement, up-gradation, and expansion of the existing network architecture
- Troubleshooting Linux Network, security related issues, capturing packets using tools such as IPtables, firewall, TCP wrappers
- Done troubleshooting of TCP/IP problems and connectivity issues in multi-protocol Ethernet environment
- Managed Veritas Cluster Server on Sun/Linux servers performing manual failover, adding resources, service groups.
- Site to site VPN implementation on ASA Firewalls.
- Monitored the network performance regularly to improve performance and functionality

- Configured static routes, default routes, Frame Relay and provided security by using ACL, NAT
 - Implemented VLANS between different departments and connected them using trunk by keeping one VLAN under server mode and rest falling under client modes
 - Configured site-to-site IPSec VPN to provide communication between the branch office and headquarters
- Environments: RIP, OSPF, BGP, and VLAN, HSRP Spanning tree, IP Sec tunnels, Windows Server, Cisco routers and switches, Red-Hat Linux Enterprise servers SAN (Netapp)

EDUCATION

Bachelor of Engineering in Electrical & Electronics Engineering in Electrical & Electronics Engineering

Jawaharlal Nehru Technological University - Kakinada, Andhra Pradesh

SKILLS

BGP. (3 years), Cisco (3 years), EIGRP (3 years), Ethernet (3 years), Firewall (3 years)

ADDITIONAL INFORMATION

SKILLS

CISCO (3 years), TCP/IP (4 years), IPSEC (3years), LAN (3 years), Firewalls(3),Virtualization(3),BGP (3 [...])

Technical Skills:

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

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

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

Routing: RIP, EIGRP, OSPF & BGP, Route Filtering.

Switches: Cisco switches (3560, 3750, 4500, 4900 & 6500), Nexus (2248, 5548 & 7010)

Scripting:Python

Network Hardware

Cisco Routers (1800, 2600, 3600, 7200 and 7600), Juniper J series, M

320 and MX960, SRX, EX Series Routers and Switches Cisco L2 & L3, Cisco Firewall

Network Security Cisco ASA, AC, IPSEC

Network Management Tools Wireshark, Netflow Analyzer, NetScout, IBM Netcool, Cisco Works, Ethereal. OPNET Modeler, Manage engine MIB Browser, PUTTY

OS products/Services DNS, DHCP, Windows

Protocols/Services IP, IPv6, TCP, UDP, ARP, ICMP, NAT Routing Protocols (RIP v1 & v2, OSPF, Gateway Load Balancing EIGRP, BGP), HSRP, GLBP

WAN Technologies Frame Relay, PPP, HDLC, T1/T3, DS3, OC192