

SANKETH RIKKA

Sr. Network Engineer - NOVARTIS

Atlanta, GA - Email me on Indeed: [indeed.com/r/SANKETH-RIKKA/c6d80ce71bd7cb62](https://www.indeed.com/r/SANKETH-RIKKA/c6d80ce71bd7cb62)

- 6 plus years of Experience in Designing, Deployment and Operations of complex enterprise and service provider networks. Adept in managing service functions & streamlining the working standards operating system for project rollout, design, and development of Telecom solutions.
- Strong grasp of current and future technologies including TCP/IP, IPv4/v6, RIP, EIGRP, OSPF, BGP, Frame Relay, ACL, VPN, Wireless LAN and configuration of VLANs.
- Steered efforts for providing presentation and seminar to the customers for in-house projects to introduce about the projects Implemented traffic filters using Standard and Extended access-lists, Distribute-Lists, and Route Maps.
- Strong Analytical, Problem Solving, Technical Troubleshooting, Decision-Making, Customer Service Skills, Results-Driven.
- Effectively managed process according to ITIL framework standards implemented in the organization.
- Experience writing Linux shell scripts
- Experience in network performance testing
- Experience with Firewall Administration, Rule Analysis, Rule Modification.
- Built stable, productive, and profitable operations within highly technical environment.
- Good knowledge in configuration of Voice VLAN's (VOIP), prioritizing the voice traffic over the data traffic.
- Worked on Load Balancer F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability
- Attend and participate in system-level design meetings to address testing issues early in the software development process.
- Highly motivated with the ability to work independently or as an integral part of a team.
- Enterprise Switching with VLANs, Trunks, Spanning Tree, Port Spanning etc.
- Provides technical leadership for problem escalation and resolution.
- Highly motivated with the ability to work independently or as an integral part of a team and Committed to highest levels of profession.
- Experience developing and maintaining comprehensive system test plans
- Create testing tools and scripts as needed to support system level testing activities.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Sr. Network Engineer

NOVARTIS - Atlanta, GA - January 2017 to Present

- Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000.
- Hands on Experience testing I Rules using Browser(IE), HTTP watch
- Primary responsibility is to design and deploy various network security & High Availability products like Cisco ASA and other security products
- Experience configuring Virtual Device Context in Nexus 7010
- Configuring IPSEC VPN on SRX series firewalls
- Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.

- Attend and participate in system-level design meetings to address testing issues early in the software development process.
 - Responsible for Checkpoint firewall management and operations across our global networks.
 - Working with Checkpoint Support for resolving escalated issues.
 - Tests & Quality assurance of web client and service level software delivering unified messaging, address contacts and digital media experience to mobile device & webtop subscribers.
 - Designed and configured the commands for QoS and Access Lists for Nexus 7K and 5K.
 - Responsible for turning up BGP peering and customer sessions, as well as debugging BGP routing problems.
 - Applies test expertise and experience to craft & execute test plans, conduct negative/exception tests, verification, performance and regression testing of RIA, HTML, AJAX, Mobile Web client, integration services, enablers & platforms
 - Involved in the removal of EIGRP from all devices and making OSPF the primary routing protocol.
 - Involved in the modification and removal (wherever necessary) of BGP from the MPLS routers.
 - Configuring IPSEC VPN (Site-Site to Remote Access) on SRX series firewalls.
 - Documented all the work done by using Visio, Excel & MS word
 - Logs and triages defects and test multiple mobile devices across multiple applications.
 - Oversaw the installation of INC 100MS Client & Server Software for NMS and RNMS.
 - Rendered first line support for the entire NLD NEC Network of VSNL from NNMS.
 - Involved in carrying out BER test for SDH Nodes with SDH Analyzer ANT 20 and 2 Mb / STM-1 / STM-4 / STM-16 / STM-64 Links.
 - Write test cases from a variety of documentation types; business requirements, system requirements & design documentation.
 - Executes and update test cases.
 - Designed, validated, and implemented LAN, WLAN & WAN solution to suite client's needs.
 - Configured and designed LAN networks with Access layer switches such as Cisco 4510, 4948, 4507 switches.
 - Responsible for procurement and installation of Hardware, network drives and other IT infrastructure. Documented the design, implementation and troubleshooting procedures with Method of Procedure (MOPS).
 - Facilitated the up-gradation of 10G throughout the NLD network.
 - Tracked the rearrangement of the channel as per the requirement of the customer.
 - Addressed the problem related to DCN network which included Routers & Switches.
 - Furnished 24X7 supports & maintained 99.98% uptime of the system and network that spanned throughout from main NLD SDH & DWDM Network.
 - Involved in DWDM ring upgradation & channel upgradation activity.
 - Experience in working with Nexus 7010, 5548, 5020, 2148, 2248 devices.
 - Experience in configuring vdc, fex pinning, fex port-channel, port-channel, peer keep alive, peer link.
 - Experience in working and designing configurations for vPC, vPC domain, vpc peer-gateway, vPC peer-switch, auto-discovery and vPC single sided, vPC double sided, NX-OS, VFR, Otv, fabric path.
 - Convert Branch WAN links from TDM circuits to MPLS and to convert encryption from IPsec/GRE to Get VPN.
 - Implementing and Maintaining Network Management tools (OPAS, Solar Winds, Cisco Works)
 - Conversions to BGP WAN routing. Which will be to convert WAN routing from OSPF to BGP (OSPF is used for local routing only) which involves new wan links.
 - Reviewing, analyzing, approving, and executing all changes in the network. All Configurations of Cisco Routers and Switches.
- Environment: Nexus 7010,5548,5020,2148,2248, Checkpoint Firewall, VPC, MPLS, SOLAR WINDS, OSPF, BGP,
VDC, Cisco 4510,4948,4507, Cisco Routers and Switches.

Sr. Network Engineer

SIEMENS - Cleveland, OH - August 2015 to December 2016

- Configuring IP, RIP, EIGRP, OSPF and BGP in routers.
- 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 the design. Primary responsibility is to design and deploy various Network Security & High Availability products like Cisco ASA and other Security Products.
- Experience in working with installing Nexus 7010 License upgrade.
- Implemented Voice VLANs, UDP, SIP and RTP and provide QoS by DSCP and IP Precedence.
- Designed MPLS VPN and QoS for the architecture using Cisco multi-layer switches
- Implement Cisco Works 2000 device to manage Cisco routers, switches, PIX and ASA firewall, Access Points, Concentrators.
- Worked on Extensively on Cisco Firewalls, Cisco PIX (506E/515E/525) & ASA 5500(5510/5540) Series.
- Integrate VoIP with PSTN and setup voice Gateway ensuring QoS for Cisco based Voice over IP and CDR for voice call Accounting.
- Experience with converting PIX rules over to the Cisco ASA solution.
- Maintain Security policy by monitoring PIX firewalls (515 and 520).
- Monitor, analyze, troubleshoot Aruba APs, wireless controllers and s3500 switches using the Airwave management systems.
- Provide wireless support to approximately 4000 + users across the office.
- Performed site survey for buildings using AirMagnet.
- Redesigned our wireless infrastructure from six M3 wireless controllers to three 7240 with approximately 2,300 access points. Project included redrafting of the entire configuration (6000 + lines) to eliminate outdated, unused sections and simplify the configuration.
- Used DHCP to automatically assign reusable IP addresses to DHCP clients.
- Experience configuring Virtual Device Context in Nexus 7010.
- Experience in Configuring, upgrading, and verifying the NX-OS operation system.
- Experience in working with Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a flexible Access Solution for datacenter access architecture.
- Design and implement campus switch network with Cisco Layer 3 switches (3750, 4500, and 6500) in multi VLANs environment and inter-VLAN routing, HSRP, ISL trunk, ether channel.
- Experience working with Network management software NSM primarily to manage the firewalls as well as performing changes as per the requirement.
- Involved in effective communication with vendors, peers, and clients in resolution of problems, equipment.
- Handling network devices such as Switches (Cisco Catalyst 2900 and 3500 series), Routers (Cisco 2600, 2800 and 7200 series), Firewalls, Load balancers etc.
- Experience in installing and configuring Checkpoint NGX R60.

Environment: IP, OSPF, EIGRP, OSPF, BGP, Cisco Nexus 2148, Nexus 5000, Motorola wireless Access Points, Cisco Switches 2900, 3500, Cisco Routers 2600, 2800, 7200, F5 Load Balancer, Checkpoint NGX R60, Pix Firewalls (515 and 520), ASA Firewalls.

Network Administrator

Megan InfoTech - Hyderabad, ANDHRA PRADESH, IN - April 2013 to July 2015

- Maintaining Checkpoint security policies including NAT, VPN and Secure Remote access
- Configuring IPSEC VPN (Site-Site to Remote Access) on SRX series firewalls.
- Maintained Corporate Firewalls & Analysis of firewall logs using various tools. Configured and troubleshooting of HSRP on Cisco routers.
- Network consists of Heavy Cisco equipment's such as Cisco 2500, 2600, 3640, 3945, 7200 series Routers, Cisco 6500, 4500, 3560, 2950, 2924 Switches, Cisco Pix firewall 500 series and Wireless Access points Cisco 1230.

- Involved in New Branch Network Systems. Resolved Network Issues, Ran Test Scripts and Prepared Network Documentation.
- Maintenance and Troubleshooting of LAN connectivity problems using Ping, Trace route.
- Experience in deploying EIGRP/BGP redistribution and the changing the metrics for the primary and backup
- Worked on Riverbed devices for WAN bandwidth Optimization in the data centers for the sensitive
- Involved in Troubleshooting of DHCP and other IP conflict problems.
- Performed Switching Technology Administration including VLANs, inter-VLAN Routing, Trunking, STP, RSTP and Port Aggregation & Link Negotiation.
- Deployed a large-scale HSRP solution to improve the uptime of collocation customers, in the event a core router became unreachable.
- Configured RSTP, LACP and VTP on Nexus devices.
- Performed RIP & OSPF Routing Protocol Administration.
- Monitored performance of Network and Servers to identify potential problems and bottleneck.
- Worked on 4500 Catalyst switches for LAN requirement and for troubleshooting LAN issues
- Experience on a mesh 6500 and 5500 series routers and switches to support the core trading system.

Involved

- Involved in designing and applying QOS and policy MAP QOS to WAN to 2800 series routers for all the branches
- Involved in Troubleshooting IP Addressing Issues and Updating IOS Images using TFTP.
- Troubleshooting problems on a day to day basis & providing solutions that would fix the problems within their Network.

Environment: NAT, VPN, EIGRP, BGP, HSRP, LACP, VTP, RSTP, RIP, OSPF, Catalyst Switches 4500, IPSEC VPN, SRX Firewalls, STP, RSTP.

Network Engineer

Tikona Digital Networks - Mumbai, Maharashtra - January 2011 to April 2013

- Prepared Engineering documents and Network diagrams in Microsoft Visio.
- Designed VLAN's and set up both L2 and L3 logicals to have it communicate to the Enterprise network.
- Scheduled preventive maintenance for fire-protection systems, including new protocols. Utilize MS Windows, Word, and Excel for reporting/documenting process.
- Juniper: EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210, SRX240
- Provide high level technical support, including identifying and resolving problems on Cisco supported products for e-Commerce infrastructure. This included external routing and internal/intranet routing for DMZ servers.
- Moved Core switches and several non-Cisco devices under strict deadlines to maintain network functionality
- Satisfactorily Resolved Problems in timely manner with focus on providing a high level of support for all customers.
- Delivered Departmental Efficiency through advanced engineering, technical support, and documentation procedures.
- Implemented cable multi-service operator (MSO) to capture traditional Telco subscribers with IP telephony and provide relevant QOS.
- Configured EIGRP, BGP, and MPLS.
- Implemented new ultra-secure networks in multiple data centers that included Cisco 6500 s, Juniper security devices, and F5 Big IP's.
- Implement QOS for Voice, Video against DATA by Ip Precedence and DSCP.
- Implemented Load Balancing between Cisco L3 Switch by HSRP and GLBP.
- Configure Firewall, IPS, QOS by SDM and provide security by Prefix list, Access- List and By Distribution List.

Environment: HSRP, GLPB, QOS, EIGRP, BGP, MPLS, DMZ Servers, DSCP, F5 Load Balancer, Juniper EX-2200,4200,4500, SRX(210,240), Cisco 6500, IP'S, MS Windows, MS Word, MS Excel.

SKILLS

BGP (6 years), Cisco (6 years), EIGRP (6 years), firewall (6 years), security (6 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS:

Networking Concepts: OSI Model, TCP/IP, UDP, IPV4, IPV6, Subnetting, VLSM

Routing Protocols: RIP, IGRP, EIGRP, OSPF, BGP, Static Routing

Infrastructure services: DNS, ICMP, SNMP, ARP

Switch Technologies: VLANs, VTP, STP, DTP, MLPPP, MPLS, ISL and dot1q

LAN Protocols: IEEE 802.1q, VTP, STP, RSTP

WAN Technologies: Frame Relay, PPP, HDLC

Security: VPN, NAT/ PAT, access-lists

Firewall: Cisco PIX, ASA, Juniper Secure Access VPN Appliance

Operating Systems: Microsoft Windows Server [...] Windows XP/Vista/7/8

Other Technologies: VISIO, VMware, Mat Lab, GNS3, Microsoft Word, Excel