Rajesh K
Senior Network Engineer

Irvine, CA - Email me on Indeed: <u>indeed.com/r/Rajesh-K/065332d5916c6c5d</u>

• Over 8 years of experience in network protocols, routing, switching, wireless implementation, system design and troubleshooting of complex network systems.
• Experience in Planning, Designing, Installing, Configuring of various Cisco routers and switches
• Ability to interpret and resolve complex route table problems.
• In-depth expertise in the analysis, implementation, troubleshooting & documentation of LAN /WAN architecture and good experience on IP services.
• Strong experience in installing, troubleshooting, configuring of Cisco 3900, 3800, 2900, 2800 and 1800 series Routers, Cisco Catalyst 6500, 4500, 3750, 2950 and 3500XL series switches.
• Good hands on experience in working with Cisco 5508, 4400 WLC's and Access Points.
• Hands on experience working with Cisco Nexus 7K, 5K & 2K Switches.
• Good understanding of concepts like VDC, VPC and OTV.
• Experience in implementation, support and troubleshooting of VLAN's including operational knowledge of spanning tree protocol (STP), VLAN trunking, inter VLAN routing and ISL/802.1q, IP Tunneling, Access Control Lists (ACL), and Cisco IOS.
• Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as EIGRP, OSPF, BGP.
• Proficient with various applications, services and network management tools including FTP, Telnet, Ping, DNS, DHCP, ARP etc.
• Detailed understanding of different layer 2 protocols such as VTP, STP, RPVST, Port security, and Ether channel.
• Experience with Internet/Intranet Networking Protocols and Services
• Implementation of HSRP, VRRP and GLBP for Default Gateway Redundancy.
• Widespread work proficiency in advanced TCP/IP management, IP addressing & Subnetting VLSM, Route summarization, Route redistribution and NAT/PAT.
• Worked internally with client departments to meet the needs in planning, designing, building, and managing the Wireless networks and Big IP F5 load balancer.
• Hands on experience in creating pool members, pools and VIP's on F5 load balancers.
• Good understanding of Health Monitors in F5 load balancers.
• Basic experience on network security firewalls technologies
• Excellent written and verbal communication skills, especially with respect to technical documentation as well as support.
• Ability to effectively communicate with users and staff of all levels, as well as external vendors.
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Senior Network Engineer
Novartis Pharma AG   -   Irvine, CA - July 2015 to Present

Novartis is in Pharmaceuticals spread across the globe with multiple sites. We have to provide the support 24x7 to make sure all Data Centers, Manufacturing and Production sites are up.
Responsibilities:
• Need to handle incidents related to LAN Support

- Working on implementations like Switch replacements, adding new switches in existing stack switch.
- Started working on wireless access point configurations and troubleshooting.
- Coordinating with engineering team for long pending issues.
- Working as a shift Lead for a team consisting of 6 members including 3 L2 engineers and 3 L1 engineers
- Configuring Switching technologies L3/L2 VLANs, STP, VTP. Redundant protocols HSRP VRRP, F5 LTM Load balancers.
- Configured the Cisco Wireless controllers with High availability feature.
- Preparing reports for various site bandwidth utilization and analyzing the report for capacity management to keep better network performance for customers.

Environment: Cisco L2 & L3 Switches (2900, 3560, 3750, 3850 4500 & 6500), Cisco Wireless controllers, Access Points, AP Groups, Flex Groups, Nexus switches (2K, 5k, 7K, 9K), VLAN, VTP, VSS, vPC, Routing Protocols: EIGRP OSPF, BGP Cisco IOS and CATOS, DNS, DHCP, SMTP, Cisco Prime, HP NNMi, Remedy on Demand.

Senior Network Engineer
Catholic Health Initiatives - Englewood, CO - October 2012 to June 2015

CHI is a nonprofit, faith-based health system formed in 1996 through the consolidation of four Catholic health systems. It is one of the nation's largest healthcare systems.

Responsibilities:
- Involved in design, planning, review and upgrades in production network and new acquisition clinic networks.
- Configuring switches routers and various network protocols and switching technologies
- Perform and troubleshoot network routing issues from Datacenter etc.
- Configuring routing protocols EIGRP, OSPF, BGP in various designs. Cisco routers 2900 1900, 3800, 7200 switches 6500 4500 3750 2560.
- Configuration and installation of Nexus 5k and configuring Virtual Device Context in Nexus 7010.
- Configuring Switching technologies L3/L2 VLANs, STP, VTP. Redundant protocols HSRP VRRP, F5 LTM Load balancers.
- Configured the Cisco Wireless controllers with High availability feature.
- Preparing reports for various site bandwidth utilization and analyzing the report for capacity management to keep better network performance for customers.
- Suggested few upgrades to the existing facilities.
- Handled few projects with BigIP F5 where I need to create nodes, pools and VIP's in Internal and external boxes. This also included SSL Certification and cookie persistence.

Environment: Cisco Routers (1900, 2500, 3600, 3700, And 3800) & Cisco L2 & L3 Switches (2900, 3560, 3750, 3850 4500 & 6500), Nexus switches (2K, 5k, 7K, 9K), VLAN, VTP, VSS, vPC, Routing Protocols: EIGRP OSPF, BGP Cisco IOS and CATOS, DNS, DHCP, SMTP, Big IP F5, Nodes, Pool, VIP's Creation, Health Monitors.

Network Engineer
Microsoft - Redmond, WA - January 2012 to August 2012

MLS Network Operation Centre: As a team member, need to maintain 30 no. of Data centers across US Redmond Ridge and supporting& troubleshooting of Network connected with various types Devices like Cisco Router, Switches, and Multilayer Switches.

Responsibilities:
- Responsible for analyzing the existing setup of MLS labs and suggesting various steps to as to have a healthy network design.

- Understanding the requirement of the Client (Microsoft) in terms of Capacity planning, Design, Load balancing parameters and type of access.
- Interacting with the client to freeze the requirement.
- Designing the network and facilitating the routing part using OSPF.
- Designing the Loop free redundant LAN using HSRP.
- Providing LAN, WAN and security solution for the customer to have a secure and stable network design in place.
- Implementing Port requests and port tagging
- Implementing Port channel configurations
- Implementing VLAN Access Lists (VACLs).
- Implementing VLAN Deployments and TOR Deployments.
- Resolving the Tickets based on their classification (incidents, requests and investigation) and priority.
- Documenting the changes that are done on the devices for the purpose of accounting.
- Taking backups of all network devices configurations on Weekly & Monthly basis.
- Monitoring the Links with PRTG, CLI Manager and Solar winds.
- Documenting the setup of various labs that comes under MLS Labs

Environment: Cisco Routers: 1900, 3750, 4948, 2811, 2600; Cisco Catalyst switches 6509, 3750, 3550; Routing Protocols: EIGRP OSPF, BGP.

Network Associate
British Telecom, UK - February 2009 to December 2011

BT Integrator The Integrator role takes advantage of standard BT Group supplier agreements, discount levels and builds on IPN standard process to deliver an end to end solution from contracting, pricing and logistical strategy through fulfilment and service delivery to customer billing and revenue assurance

Responsibilities:
- Presales support and Bid Pricing.
- Managed a team of 8 IPN Specialists (Techno-Commercial) responsible for pricing network solutions for the BT Sales teams globally. Provide a single point of contact.
- Supporting the Pricing and Ordering of CPE for global businesses. (LAN/IPT -Cisco, Nortel, Avaya, Juniper, Telepresence, Riverbed, HPNAS servers, PSTN). Provide Techno-Commercial and Pre-Sales Support to BT sales teams and the technical specialists on best practices for global trading models, and the implications/ benefits of any proposed model.
- Understand/agree proposed contract and billing methodologies in order to ensure proper project accounting takes
- Handled major customers like, Thomson Reuters, Procter and Gamble.

Environment: Cisco pricing tool

SKILLS

CISCO (8 years), LAN (5 years), BGP (5 years), EIGRP (5 years), HSRP (5 years)

CERTIFICATIONS/LICENSES

Cisco Certified Network Professional (CCNP - Routing & Switching

Cisco Certified Network Associate (CCNA)

ITIL Foundation Certification

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Network Products: Cisco Routers, L2 & L3 switches, Nexus switches, Wireless controller, F5 Load Balancers.
Switching Technologies: Virtual LAN, Inter-VLAN routing, VTP, VSS, vPC, Ether channel (Static, PAGP, LACP)
Spanning Tree Protocol (Common Spanning Tree, MSTP, PVST, RSTP), first-hop redundancy protocols (HSRP, VRRP, GLBP).
Routing Technologies: Static Routing, RIPv1, RIPv2, EIGRP, OSPF, BGP, TCP/IP, UDP, Route Map, Route Filtering, Route Redistribution, Route Summarization, Access Lists.
Load Balancers: Configuring BIG-IP F5
Wireless: Cisco WLC 5508, 4400
Network Management: Wireshark, SNMP, Solar winds, EMC Smarts, HP Open View
Documentation: MS office, MS Visio