

Sachin k

Sr. Network Engineer - Barclays Capital

Jersey City, NJ - Email me on Indeed: indeed.com/r/Sachin-k/2fd516759ca1fc94

- Cisco Certified Network Associate (CCNA) and Cisco Certified Network Professional (CCNP) with over 7 years of working experience with Cisco products.
- Experienced in large-scale enterprise network maintenance and migration with expertise in designing planning, and testing of enterprise LAN/WAN products and protocols.
- Working experience with CISCO Switches (2960 | 3560 | 3750 stack | 4000 | 6500 series)
- Working experience with CISCO Routers (2821 | 3845 | 3700 | 7341)
- Configured and managed Nexus 2k fabric extender, 5K and 7K switch network at the client's location.
- Designing and Implementation expertise of network with routing protocols such as RIPv2, EIGRP, OSPF and BGP.
- Configuration experience of Site-to-Site VPN and Remote-access VPN with CISCO PIX 515E firewall and ASA 5510 | 5520. Good knowledge regarding configuration and maintenance of Checkpoint.
- Experienced in Server Load balancing user traffic with CISCO ACE4000 and BIG IP F5 Load balancer.
- Configuration experience of Nexus 5K Fiber channel switch for SAN connectivity. Working experience with SUN storage arrays and NETAPP.
- Expertise in large-scale application and network migration of the enterprise network.
- Expertise in designing, implementation and support of LAN.
- Working experience with Wireless LAN Controller (WLC) and Light Weight Access Point (LWAP)
- Good knowledge of WAN technologies such as Frame Relay and MPLS.
- Working experience with 6500 series switches at layer 2 and layer 3. Implemented 6500 VSS for improved efficiency and high bandwidth availability.
- Experienced in gateway load balancing using HSRP and VRRP.
- Managing Layer 3 filtering using Distribute-list, ACL, Prefix list and Route-map.
- Implementation experience of SNMP V2C to V3 migration and trouble shooting.
- Redesigning NTP architecture for hierarchical layered stratum designing.
- Configuration experience of Cisco VOIP phones along with QOS parameters.
- Expertise in creating groups and pruning traffic flow using VLAN, VTP, ISL, 802.1Q.
- Configuration experience for maintaining loop free topology using STP, RAPID-PVST and MST.
- Expertise in maintaining stable STP topology using protocols such as Portfast, BPDU guard, Root guard and UDLD.
- Aggregating switch links using LACP and PAGP protocols.
- Implementation and Troubleshooting of WAN authentication protocols- PPP, CHAP and PAP.
- IP addressing and IP address scalability by configuring NAT/PAT.
- Implementing port based security by authenticating users with 802.1x switch port configuration and implementing VACL and port security for restricting local user access.
- Good knowledge about spoofing attacks and mitigating them using DHCP snooping, IP source guard and Dynamic ARP inspection.
- Upgrading CAT OS and CISCO IOS for switches and routers.
- Experienced working on network monitoring and analysis tools like, SOLAR WINDS, CISCO works and RIVER BED and Wireshark.
- Working experience with IP reservation and DHCP management using- INFOBLOX and QIP.
- Working experience with REMEDY for ticket change management process.
- Excellent in documentation and updating client's network documentation using VISIO.
- Strong background in Technical support, network and communication infrastructure and desktop administration.

- Self-motivated with ability to quickly comprehend, co-ordinate, organize, analyze, troubleshoot and solve simultaneous complex technical issues.
- Proven record of configuring and troubleshooting network issues in timely manner and maintain the client's Service Level Agreement.
- Dedicated network engineer with affinity to work as a team as well as perform individually.
- Prior experience working in a 24/7 operational environment to achieve desired project targets.
- Possess excellent communication, interpersonal and presentation skills.

WORK EXPERIENCE

Sr. Network Engineer

Barclays Capital - Jersey City, NJ - January 2013 to Present

Responsibilities:

- Working experience as a Network Engineer for designing, implementing and troubleshooting of complex environment consisting of high end switches, routers, firewall and WAAS.
- ISSU software upgrade process in the production 6513 Virtual Switching System (VSS) followed by the chassis replacement with 6513 E.
- Designing, documenting and replacing existing redundant 6506-E Core switch with ACE and Firewall appliances to perform in VSS mode.
- Designing and configuring Dynamic queries, alerts, jobs and network discovery on new Orion solar wind NPM and NCM. Redesigning the views and nested view group structure to optimize the user experience.
- Designing and expansion of the L2/L3 network in correction centers and field offices.
- Designing, configuring and managing ACE load balancers. Troubleshooting ACE for any application related issues.
- Redesigning NTP architecture and implementing the NTP configuration devices to source the timing from correct stratum.
- Configuring ASA to hide the clients Security Electronics network behind the firewall.
- Upgrading SNMP from V2C to V3 on network device for authentication and privacy while polling the devices using Orion Solarwinds.
- Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF & BGP.
- Streamlined the process of Network replacement life cycle such as Network assessment, proof of concept, building material, budgeting, procuring, testing and implementation.
- Used NETQOS for monitoring and troubleshooting.
- Coordinating with the field staff for change implementation and troubleshooting complex networking issues.
- Application layer packet analysis using SPAN session and Wireshark.
- Creating HLD and LLD for projects and documenting the changes.
- Providing network support in absence on network operations on a 24x7 basis.

Sr. Network Engineer

Bristol-Myers Squibb - Princeton, NJ - October 2011 to December 2012

Responsibilities

- Provided network support for the large-scale network migration for setting up a new Data center as well as the DR site. Project task also involved upgrading, replacing and installing new routers and switches at 85 remote sites.
- Monitoring and troubleshooting network issues between client site and 85 remote sites with legacy switches and routers
- Performed and presented network analysis as a part of network migration. Involved in knowledge transfer to vendors and provided them network support as required

- Worked as a single point of contact for the whole migration
- Configuration and maintenance of EIGRP and BGP network on router 7200 and 6500 MLS.
- Configuration and maintenance of 3750 stack and 6500 VSS for improved efficiency of the data plane.
- Configuration and management of NEXUS network in the existing network infrastructure.
- Created LAB setup with 7k and 5K NEXUS switches for application testing.
- Configured Nexus 5K Fiber channel over Ethernet (FCoE) for SAN connectivity for LAN free backup. Coordinated with NETAPP engineers to set up the new storage arrays and maintained the existing SUN storage hardware with the SAN engineer.
- Configuring Server Load Balancing using CISCO ACE4000 to improve the resource availability and avoid single point of failure. Working experience with real servers as well as virtual boxes
- Knowledge of CISCO PIX and ASA for site-to-site and remote-access VPN connectivity.
- Setting up VLANS and configuring 802.1Q trunk on Fast-Ethernet channel between switches.
- Managing 3750 stack at client location with 802.1x port based security for local users.
- IP address management using web tool INFOBLOX.
- Configuration of SNMP and monitoring traffic using tools such as SOLAR WINDS, CISCO works and RIVER BED
- Managing changes via REMEDY change management ticketing process.
- Creating MOP (method of procedure) for all configuration changes.
- Creating future state network diagram as a part of migration deliverables using VISIO and updating the master document with completion of every wave of migration.
- Interacting with clients and project team on a daily basis for project planning, scheduling and feedback.
- Provided network support on a 24/7 SLA.

Network Engineer

Novartis Pharmaceuticals - Whippany, NJ - September 2010 to October 2011

Responsibilities

- Responsible for configuration and maintenance of a collapsed core network of 90 switches and routers along with maintenance of existing Wireless network.
- Spear headed the project of migration of Pfizer network for remote administration and upgrading the network according to Pfizer standard.
- Configuration and maintenance of the routers running on existing EIGRP and BGP protocol with 7200 router and 6500 core. Also configured route filtering using distribute list with route maps and ACL's.
- Configured BIG IP F5 load balancer for cluster / server farm load balancing to increase resource availability and provide redundancy.
- Configuration and administration of ASA and PIX firewall. (Controlling outbound access using NAT, PAT and IP-sec encryption and security level for inside network, outside network and DMZ)
- Configuration experience of Fiber Channel Director for supporting Storage area Network (SAN) . Familiarity with TSM tape library handling and routine backup process.
- Configured switches to support Cisco VOIP phones and extended trust boundary to support end user devices. Configured separate voice Vlan and Qos parameters for the Cisco phones.
- Light-Weight Access Point (LAP) installation and management using WLC. Supported existing wireless infrastructure as well as installed new LAP for extending the user mobility.
- Implemented gateway redundancy using Virtual Router redundancy Protocol (VRRP) in the core.
- Setting up VLANS and configuring 802.1Q trunk on Ethernet channel using LACP between switches.
- Maintaining the loop free environment in the network using STP and guarding the stable STP network using protocols such as Root guard, UDLD and BPDU guard.
- Implemented Portfast and Uplink fast for a quicker convergence in STP environment.
- Implemented traffic filters on Cisco routers using Standard and Extended access-list.
- Network monitoring using GUI such as Cisco Works and Wireless control system.

- Creation and maintenance of guest accounts for Pfizer wireless network.
- Responsible for upgrading software and hardware on switches and routers.

Network Engineer

Wavetech, Inc - New York, NY - July 2009 to September 2010

Responsibilities

- Responsible for configuration and maintenance of switches and routers at the corporate data center.
- Configuration and maintenance of the network running on OSPF, & BGP at layer 3. Installed a 3700 router for a new internet connection as well as 6500 and 4500 at the core and distribution layer.
- Responsible for Server load Balancing (SLB) using Cisco ACE-load balancer.
- Configuring remote access and firewall rules using Cisco PIX. Extensively used SDM and ASDM for tunnel configuration.
- Design and implemented Frame-relay network with ISDN backup on Cisco 3700 Series Routers.
- Install and configure Routers, Bridges, Terminal Servers and CSU/DSU's to support WAN links.
- Redistribution of routing protocols and Frame-Relay configuration.
- Implemented SNMP on Cisco routers for network management and troubleshooting.
- Reconfigured layer 2 networks for RSTP mode and maintained stable STP architecture using the protocols such as Root guard, BPDU guard and Loop guard.
- Setting up news VLANs and reconfiguring 802.1q trunk on Fast-Ethernet channel between switches. Segregating users traffic for optimal use of available bandwidth.
- Configured link aggregation using PAGP protocol over trunk link.
- Resolved Connectivity issues in multi protocol Ethernet, Token Ring, and FDDI networks.
- Implemented traffic filters on Cisco routers using Standard and Extended access-list.
- Network management using Cisco Works.
- IP reservation and management using tools such as QIP.

Network Engineer

Stargate Industries - Pittsburgh, PA - November 2008 to June 2009

Responsibilities

- Designed, installed and maintained a complex routed LAN/WAN infrastructure in West Virginia supporting Dial-up, T1, Frame Relay, ISDN and 802.11b.
- Configured and installed routers, switches and LWAP at the client's data center and different IDF's.
- Configured 3500 series routers with EIGRP and BGP for the internet facing router and as well as for the core switches.
- Working experience with Cisco 3750 and 6500 layer 3 switches. New switches installed to make network scalable and manageable. Reconfigured the STP for placing the Root at the center of the network and guarding the root against unwanted topology changes.
- Redesigned network infrastructures and proposed new changes for existing layer-2 network to improve bandwidth utilization and segregating the group traffic.
- Created and maintained network maps for the Network Operation Center (NOC) using VISIO.
- Managed IP addressing and subnetting using INFOBLOX.
- Configured switches with port security and 802.1x for enhancing customers security.
- Monitored network for optimum traffic distribution and load balancing using Solar winds.
- Implemented security measures to keep networks running and secure. Configured extended ACLs to filter traffic and gave restricted access to certain users.
- Supervised call center and technician routine maintenance and up-gradation of network device.
- Provided network and workstation support.
- Interfaced with customers and senior management for problem resolution and project planning.

Network Administrator

ICICI Commercial Bank - Nagpur, Maharashtra - June 2006 to October 2008

Responsibilities

- Performed installations, technical support, troubleshooting and maintenance of network equipment. Managed infrastructure installation services including network facilities, Information Assurance, Cable Plant, WAN and BAN/LAN teams.
- Configured 3750 stack for the IDF's and data center for layer 2 reachability.
- Supported and maintained NOC/Co-location facility. Racked, cabled and network servers and network equipment.
- Assisted in network engineering efforts consistent with the infrastructure of an Internet Service Provider and support of such network services. Helped in designing and implementation of VLAN for the new users.
- Installation and Configuration of various types of Personal Computers and Printers. Installation of different operating systems on Intel based PC's.
- Installed Hard disks, Floppy drives, CD Drives, Sound Blaster cards, CPU, Memory, Power supply unit, Network card, Video graphics card, Hard disk controller card on PC systems.
- Troubleshooting of personal computers. On line Support to customers concerning their computer problems.

Sr. Network Engineer

Barclays Capital - Jersey City, NJ

EDUCATION

Bachelors in Electronics & Telecommunication

VTU - Bangalore, Karnataka

ADDITIONAL INFORMATION

TECHNICAL PROFICIENCY

IP Devices: Routers: 2500, 3600, 3700, 7200

Switches: 2900, 3560, 3750, 4500, 6500, N5K (FCoE), N7K (Nexus)

Firewalls: Cisco PIX, ASA, Checkpoint

Protocols: Layer 3: RIPv2, OSPF, EIGRP, VSS, HSRP, VRRP, ACL, NAT/PAT, TCP/IP.

Layer 2: VTP, STP, RSTP, MST, VLANs, PAgP, LACP, 802.1Q, ISL.

SAN: VSAN, LAN free Backup, FCoE,

Load Balancer: Big IP F5, Cisco ACE

IPSec/VPN: PIX to Router, Router to Router, PIX to VPN wildcard client, ASA to ASA, PIX to PIX.

Route filtering: Distribute-list, ACL, Prefix list and Route-map.

Cryptographic

Algorithms: DES, 3DES, AES, RSA, DSA, SHA, MD5, Diffie-Hellman Key exchange.

Security Protocols: DHCP Snooping, IP Source Guard, Dynamic Arp Inspection, 802.1x and VACL's

Technologies: LAN: Ethernet, Fast Ethernet, Gigabit Ethernet.

Implement Cisco Secure Access Control Server (ACS) for Tacacs+/Radius

WAN: Frame Relay, ISDN T1/E1 (PRI/BRI), PPP, ATM and MPLS.

VOIP/Wireless: Cisco Wireless LAN Controller (WLC), Light Weight Access Point (LAP) and

Cisco IP phones

Operating Systems: Windows and Linux

Network management: Cisco Works, Solar winds, Riverbed, Wireshark, INFOBLOX, QIP, VISIO, REMEDY.