Sathvik Dh
Network Engineer - Ebay

San Jose, CA - Email me on Indeed: indeed.com/r/Sathvik-Dh/e9ffda6627c2eb86

• Eight years of experience in configuring, and troubleshooting Switches, Routers, and Firewalls.
• Configured switching protocols such as VTP, RPVST+, MST, LACP, PAGP, HSRP, VRRP, GLBP and Routing Protocols such as OSPF, BGP on Cisco, Juniper, and Arista Platforms.
• Redistributed Routes and manipulated route updates using distribute lists.
• Implemented VPLS and worked on Route Reflectors, Route Targets, LDP, L3VPN's, L2VPN'S VRF's.
• Implemented Traffic filters using Standard and Extended Access list.
• Managed all the network devices (Routers, Switches, Cisco ACS, Cisco ISE, Cisco Access Points, Wireless Controllers) using Cisco Prime.
• Verified the Usage of monitor-sessions, Port-channel, VLAN, and VRF in a Nexus 7 k VDC.
• Followed Best Practices for Vpc Components Configuration.
• Migrated from Cisco ISR G2 to Cisco ISR 4000.
• Surveyed Sites and Deployed Aruba Wireless controllers 7010, 7210 and recommended procedures for optimization and improvements in Performance.
• Troubleshot Network Access Issues, Endpoint Posture Failures using Cisco ISE.
• Identified Malware and intrusions into the network with ISE.
• Configured and Managed Cisco IPS and Checkpoint UTM.
• Administered Cisco ASA 5500 firewall: Modified Rules and implemented different failover mechanisms.
• Configured Checkpoint Firewall in IPSO secure platform and GAIA platforms.
• Added Rules and Monitored Checkpoint Firewall traffic through Smart Dashboard and smart View Tracker applications.
• Configured Palo Alto Firewalls (Application and URL filtering, Threat Prevention, Data Filtering).
• Configured Bluecoat Proxy SG in the network for web traffic management.
• Configured Remote Access solutions such as IPsec, Any connect VPN, SSL VPN.
• Configured IPSEC-site-site VPN (to ensure partner connectivity), and remote access VPN.
• Designed Disaster Recovery (DR) test plan and built an IPSEC tunnel site to site.
• Configured Active/Active Failover, Active/Standby Failover, Policy Maps.
• Configured F5 BIGIP (Profiles, monitors, iRules, SSL Termination, Persistence, SNATs, and HA) and executed various upgrade projects across F5.
• Designed, Implemented and Managed LAN, WAN solutions for different setups.
• Managed Internal DNS entries using Infoblox appliances.
• Troubleshot issues with network equipment, Replaced EOL Devices.
• Upgraded Code Version on Cisco Catalyst 3850, 4500-x, 6500 Switches and Juniper EX2200, 4200, 4550 Switches.
• Configured IPv6 on host platforms and IPv6 in IPv4 tunneling.
• Worked on Network monitoring tools such as NMAP, SolarWinds, Cisco Works, Wireshark, and Splunk.
• Documented Network Infrastructure using Microsoft Visio.
• Implemented TCP/IP and related services such as DHCP and DNS.
• Implemented Software Defined Network using Software Switch and Controller in GENI.
• Knowledgeable on Third party Connections, Direct Connect and VPC Peering (Azure), AWS, and SDN, NFV Technologies.
• Knowledgeable on Reverse Proxy solutions like Cisco Anyconnect.
• Currently learning Python Programming from Python Standard Library and working on developing Test Scripts for modifying the existing VLAN'S, ACL's, and other network tasks.
• Installed, Configured, Maintained Printers, Scanners, PC's and Servers.

• Worked in PCI regulated environment, and Implemented ITIL best practices and provided end-to-end support for ITIM implementations.
• Natural team player, Good interpersonal and writing skills, Can effectively co-ordinate with Multiple Teams. Willing to relocate: Anywhere

WORK EXPERIENCE

Network Engineer

Ebay   -   San Jose, CA   -   August 2016 to Present

Ebay is a Multinational e-commerce company. It manages ebay.com, an online auction and shopping website where People buy and sell a variety of goods and services. Ebay provides Platform, and solutions for sellers to improve their businesses.
Responsibilities:
• Installed Licenses, Certificates, and Upgraded the existing code on Cisco 3750 Switch, and Aruba 7010 Controller.
• Configured Switching Protocols(RPVST+,VTP, Portfast, BPDU Guard, UDLD), and Macros on Cisco 3560, 4500 Platforms.
• Configured Port mirroring and monitored Traffic, using Local SPAN on Cisco 3850 Switch.
• Configured Port-Based Authentication using 802.1x standard.
• Upgraded the Circuit Bandwidth for the Links Connecting the enterprise WAN Routers to the Backbone Routers, and Costed the Circuit Back , by changing the OSPF Cost to avoid SPOF.
• Investigated Circuit Re-ordering using Asymmetric routing, QOS.
• Migrated Devices from existing Rack to new Rack.
• Troubleshot Connectivity issues for different end devices such as Cameras, Access Points, IP Phones, Users that connect to the Access Switches.
• Replaced the existing network modules with a new module and Configured Uplinks for connecting to the Core Switches.
• Configured HSRP, VRRP for High availability on Core Switches, Aruba 8400X, Cisco 4510 R+E.
• Installed ISR 4321, ISR 4331, ISR 4451 in branch deployments, and observed high performance with faster speed, and Virtualized services, and agility.
• Imported Floor Plan of the Building to Ekahau, and generated Heat-map for Multi-floored Building.
• Generated Configurations by running Perl script and Configured Wireless Controllers (Aruba 7005, 7010), and Provisioned Aruba AP 225, AP 325.
• Migrated existing Wi-Fi Infrastructure from Aruba 3400 controller, and AP 115 to Aruba 7010 Controller, and AP 225.
• Rolled out the Wireless LAN Controllers from existing servers to Clearpass Server.
• Drew the Hub-spoke diagram to include all Corporate Locations Worldwide, and Connectivity diagram representing reachability between media servers in EMEA to NA, in M.S Visio.
• Actively involved in resolving network tickets pertaining to IP Phone VLAN and IP Helper address, Adding Secondary IP address to the existing VLAN, High CPU Utilization.
• Implemented migrations for Access & Core Switches.
• Followed Standard Operating Procedures for executing all the Change Requests.
• Worked with Century Link, Time Warner and other ISP's in circuit cutovers.
Environment: Nexus 7K,5k, Cisco 6500, 4500,4510 R+E, 3750, 3560 Switches, Cisco 7200 Routers, Cisco ISR 4321, ISR 4331, ISR 4451 Routers. Juniper MX80,MX 480 Routers, Arista 7050,7500 Switches, Aruba 3400,7010,7210 Wireless LAN Controllers, Aruba 115,225,325 Access Points, Aruba 2930F, 8400x Switches, Avocent 6000 Cyclades.

Network Security Engineer

Sonata Software Limited   -   Atlanta, GA   -   February 2015 to July 2016

Sonata Software Limited serves software product companies and enterprises in the travel, manufacturing, retail and distribution verticals. Its service lines include business intelligence, mobility, cloud, social media, enterprise services and infrastructure management services.

Responsibilities:

• Troubleshot and fixed Wireless issues using Cisco Prime and Ekahau surveying tools.

• Upgraded Wi-Fi Infrastructure from Cisco 2500 Controllers, 1830 AP to Cisco 5520 Controllers, and 2800i AP, 2800e AP.

• Surveyed different properties like wireless coverage, Signal to Noise Ratio, Channel overlap.

• Migrated and installed Cisco collaboration suite using Cisco Prime collaboration deployment tool.

• Monitored the network infrastructure using PRTG Network and Cisco Prime Infrastructure to mitigate the issues influencing the network infrastructure.

• Worked on setting up MPLS Layer 3 VPN cloud in data center.

• Worked with Cisco IOS-XR on the ASR9000 devices for MPLS deployments in data center.

• Configured SITE_TO_SITE VPN on Cisco ASA 5500 series firewall between Headquarters and Branch office.

• Implemented ACL as per Network Design Document and followed the change process as per IT policy.

• Created Intrusion Policies, Malware & File Policies, SSL Policies in ASA Firepower 5555-X

• Operated ASA Firepower 5555-X in stateful Failover mode.

• Enforced security and access policies for endpoint devices connected to Sonata's network through Cisco ISE (thereby monitored different users from a single console).

• Prevented unauthorised access to network by management functions in Cisco ISE.

• Pushed Policies from Panorama to Firewall in Palo Alto, and also Configured and Maintained IPSEC and SSL VPN's on Palo Alto Firewalls.

• Implemented Zone-based firewall and security rules on Palo Alto.

• Configured and maintained IPSEC and SSL VPN's on Palo Alto 5050.

• Configured Palo Alto Networks Firewall models as well as a centralized management system (Panorama) to manage large scale Firewall (PA-5k, PA-3k, PA-2k) deployments.

• Configured rules and maintained Palo Alto Firewalls and analysed firewall logs using Splunk, Firewall log analyzer.

• Installed high availability BIG-IP LTM and GTM Load Balancers to provide uninterrupted service to customers.

• Configured and deployed BIG-IP LTM 8900 for providing application redundancy and load balancing.

• Monitoring IP address blocks, Address inventory, DHCP scopes for the inside network infrastructure through IPAM Infoblox.

• Optimized WAN Performance using Riverbed: Interceptor, Steelhead, CMC ver 2.4/6.1.0

Environment: Cisco catalyst 4948, 4510, 4507 switches, Nexus series 7010, 5020, 2248, 2148, Juniper(EX4550, EX4220, EX 2200)Switches, Brocade SX series 16, ICX series 6610, 6450, 6350, FCX series 648, Juniper(MX 480 Series) Routers, Palo Alto(PA-5k, PA-3k, PA-2k), Big IP

Network Security Engineer

Freddie Mac, MC Lean   -   March 2013 to February 2015

Freddie Mac is a public government-sponsored enterprise. It has three core business lines: Single-Family Credit Guarantee Business, Multifamily business, and Investment Business, providing mortgage funding for Housing markets across the nation.

Responsibilities:

• Worked with Nexus 7010, 5020, 2248, 2148 switches.

• Configured and managed VLAN's, 802.1Q Trunk, RPVST+, Inter-VLAN routing, HSRP and LAN security for Layer-2 and Layer-3 switching domains as per the Offices Design plan.

• Configured and maintained OSPF Protocol (this included deploying of new branch locations in the existing infrastructure). Created Stub areas and configured summarization for effective Routing.

• Configured and troubleshot OSPF in single area and multiple areas.

• Redistributed routes learned from EIGRP to OSPF.

• Checked the operability of Cisco router and switch using OSPF routing protocol.

• Worked on BGP configuration for providing redundant internet connectivity using BGP attributes, Route maps, prefix-lists etc.

• Configured and Maintained BGP features such as load balancing, Route Reflectors, BGP metrics by maintaining the Enterprise IP Addressing scheme with allocation of new IP Pools for user subnets, and updating the port on the switches MED, AS Path, Local Preference, Communities.

• Troubleshot connectivity issues during migrations and new client connections.

• Configured User authentication and authorization, and Network Access for Guest Users using Cisco ISE.

• Installed Cisco ISE Software Patches and Configured ISE to send common syslog for Common Criteria Compliance.

• Added and removed checkpoint firewall policies in SPLAT/IPSO R75, VSX firewall based on the Project requirements.

• Implemented network security for remote access by configuring site- to-site and clients-to-site VPN tunnels through multiple Cisco VPN concentrators and Checkpoint firewalls and maintained access policies for remote users.

• Worked on Checkpoint UTM1, VPN-1 and activated blade licenses to be used as Intrusion prevention and antivirus appliance.

• Implemented network security for remote access by configuring site- to-site and clients-to-site VPN tunnels through multiple Cisco VPN concentrators and Optimized WAN Performance using Bluecoat proxy SG devices.

Environment: Nexus 7K/5K, Cisco 3550/4500/6500 switches, Cisco Routers 7600/7200, F5 Big-IP LTM-6400 load balancer, Checkpoint R4600, Cisco ASA 5500, Blue Coat Proxy server.

Network Engineer

Amgen - Thousand Oaks, CA - August 2012 to February 2013

Amgen is world's leading biotechnology company. It has reached millions of patients around the world. It is actively involved in developing, manufacturing and delivering innovative human therapeutics.

Responsibilities:

• Configured routing protocols such as EIGRP, OSPF & BGP and Cisco ACS protocols such as RADIUS and TACACS.

• Resolved Connectivity issues due to mismatch in K values in EIGRP.

• Troubleshot stuck-in-active EIGRP routes

• Configured hub and spoke for EIGRP stub routing.

• Supported internal project teams by adding firewalls, switches and routers to managed DMZ's.

• Implemented and configured Cisco ASA 5520 in failover mode.

• Built site-to-site VPN connections for third party connectivity using Cisco ASA firewall.

• Configured Juniper Netscreen firewall Policies between secure zones using NSM (Network Security Manager) and deployed Security Solutions in Juniper SRX and SSG firewall by using NSM.

• Refined IPS Policy and Created Rules according to the Security Standard.

• Managed successful delivery of massive security response portfolio including Splunk, Cisco ISE.

• Monitored Network traffic with the help of Qradar and Cisco IPS event viewer.

• Designed and Implemented of Data Center Migration along with 5 Engineers, and implemented strategies for the expansion of the MPLS VPN networks.

• Knowledgeable with Load balancing technology including algorithms.

• Configured BigIP GTM Wide IP configuration, BigIP LTM VIP configuration with health check.

• Wrote iRules and Troubleshot configuration issues with BigIP.

Environment: Cisco Router 7600,7200,3800,2800 and Cisco Catalyst Switch 6509, 6500, 3550, Cisco ASA 5520, Juniper(EX4550, EX4220, EX 2200)Switches, Juniper(SRX, E series, ACX Series , PTX Series) Routers.

Network Engineer
Citi Group   -   IN - July 2009 to May 2012

Citi is the largest foreign direct investor in the financial services industry in India and offers consumers a broad range of financial products and services, such as consumer banking and credit, corporate and investment banking, securities brokerage and wealth management.
Responsibilities:

• Troubleshot connectivity issues for different devices in the Network.
• Provided on call supporting 24/7 NOC.
• Configured RSTP, VTP, SNMP on Cisco Catalyst Switch 6500, Juniper EX 2200, 4200 series switches and Static routing, and OSPF on Cisco 7600 and Juniper MX 240 series Routers.
• Configured redundant interfaces, DHCP server, DHCP relay, NTP settings.
• Configured and maintained ASA firewall systems (Firewall Administration, Rule Analysis, Rule Modification).
• Configured IPSLA monitor to track different IP route when disaster occurs.
• Configured ACLs in ASA5585 firewall for Internet Access requests for servers, Protocol Handling, Object Grouping and NAT Control using Object NAT.
• Implemented network security for remote access by configuring site -to- site and clients- to- site VPN tunnels through multiple Cisco VPN concentrators and Checkpoint firewalls and maintained access policies for remote users.
• Worked on checkpoint UTM1, VPN1 and activated blade licenses to be used as Intrusion prevention and antivirus appliance.
• Deployed Cisco ASR9000 series Routers for MPLS in Data Centers.
• Experience with converting Cisco ACE load balancer to F5 LTM load Balancer in data center environment.
• Configured and Deployed BIG-IP LTM 8900 for providing application redundancy and load balancing.
• Configured NAT and Simple Network Management Protocol (SNMP).
• Monitored network performance to improve the backup strategy using Solar winds.
• Troubleshot using Packet tracer and Tcpdump on firewalls.
Environment: Cisco Routers 7600, 7200, 3800, 3850, Cisco Catalyst Switches 6500, 5000, 3500, 2950

Network Engineer
Apollo Hospitals   -   IN - January 2009 to June 2009

Apollo hospitals chain is the largest integrated healthcare organization till date and has its dominance in whole of Asia. They have over ten thousand beds in fifty one hospitals, 115 telemedicine units across nine global nations.
Responsibilities:
• Configured and administered Cisco Switches 6500/3750/3550, and Cisco Routers 7200/3900/2900.
• Configured 802.1q Trunk Link encapsulation and Etherchannel using LACP in Corporate LAN Environment.
• Configured routing protocols such as EIGRP, OSPF and BGP.
• Maintained VLANs, Spanning-tree, HSRP, VTP of the switched multi-layer backbone with Cisco catalyst switches.
• Implemented firewall rules on Cisco ASA Juniper 5600, Juniper SRX 3600, SRX 100 on a daily basis, using NSM and CLI.
• Maintained and Troubleshot IP connectivity problems using PING, and Trace route utilities and packet capture tools such as Wireshark.
• Provided customer support including daily backup procedures, testing network connections, equipment installation and turn-up, and remote hands assistance.

- Experienced with physical layer interfaces and cabling standards.
- Maintained detailed time based incident logs and technical checklists.

Environment: Cisco 3600, 2600, 2500 series routers and Cisco Catalyst 6500,3500 series switches.