Swetha P

Sr. Network Engineer - Union Bank

Sacramento, CA - Email me on Indeed: indeed.com/r/Swetha-P/cea16173f7aa5247

• 6+ years of experience in Networking and Security, including hands-on experience in providing network support, installation and analysis for a broad range of LAN/WAN/MAN communication systems.
• Detailed understanding of different layer 2 protocols like VLANs, VTP, STP, RPVST, Port Security, and Ether Channels (LACP and PAGP).
• Experienced in Data-Center Nexus 7009, 7018, 5548P, 5596T, 2148T, 2224Tand 6000switches.
• Worked on configuring the Nexus 5K Aggregation Switch and Nexus 2K Fabric Extenders.
• Implemented VDC, VPC, VRF and OTV on the Nexus 5505 and 7009 switches and implemented VSS on Cisco catalyst 6509 and 6513 switches.
• Designed Redundancy Gateways for Campus Network using HSRP/VRRP/GLBP.
• Design and Configuring of OSPF, BGP on Juniper Routers (MX960, MX480) and SRX Firewalls (SRX240, SRX550).
• Juniper Networks specializes in routers, switches, firewalls, data center solutions, cloud services, and VPN solutions.
• Deployed Juniper switches EX4500 and EX4200, routers M7i and M10i and Junos OS
• Hands on experience in configuring and supporting site-to-site and remote access Cisco, IPSec, VPN solutions using ASA/PIX firewalls, Cisco and VPN client.
• Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST. Implementation of HSRP, VRRP for Default Gateway Redundancy.
• Responsible for Check Point and Cisco ASA firewall administration across global networks.
• Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration.
• Worked on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.
• DMZ zoning & configuring VLANs/routing/NAT with the firewalls as per the design.
• Hands on experience with VPC and FEX configuration on Nexus switches.
• Working experience with Wireless LAN Controller (WLC) and Light Weight Access Point (LWAP).
• Experience in configuring and troubleshooting various layer 3 routing protocols like RIP, OSPF, EIGRP and BGP.
• Configuring BGP/OSPF routing policies and designs, worked on implementation strategies for the expansion of the MPLS VPN networks.
• Firewall technologies including general configuration, risk analysis, security policy, rules creation and modification of Check Point R65, R70, R75, R77 and Cisco ASA.
• Expertise in creating groups and pruning traffic flow using VLAN, VTP, ISL, 802.1Q.
• Familiar with REMEDY for ticket change management process.
• Experienced in Microsoft Visio creating a detail physical and logical network diagrams.
• Supported Large Frame-Relay, MPLS, E1/T1, ISDN, Analog networks.
• Responded to serious technical issues on a 24/7 on-call basis.
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Sr. Network Engineer

Union Bank - Sacramento, CA - June 2016 to Present

Responsibilities:

• Design, implement and provide second level support for host load-balancing solutions at SWA.
• Experienced in Integration, configuration and maintenance of Cisco Router, Catalyst Switches and Firewalls.
• Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers.]
• Responsible for all routing, switching, VPN, network security, and server load balancing.
• Using PBR with Route Maps for route manipulation/filtering. Troubleshooting routing issues like suboptimal routing and asymmetric routing
• Implemented various EX, SRX & J series Juniper devices
• Juniper Contrail SDN deployment assistance to the senior engineering team
• Juniper Contrail SDN solution provisioning in test labs.
• Have created lot of site to site IPSEC VPN tunnel with Checkpoint, Juniper Netscreen firewalls and Cisco PIX/ASA firewalls. Completed a project to update the patch HFA50 across all the firewall to overcome the bugs in the existing version of R65.
• Responsible for 6500, 3500, Nexus 5500-7009 switching, ASA, FWSM Firewalls, CSS and F5 load balancers, Riverbed WAN accelerators, IronPort Proxy, and Linux/Bind DNS servers.
• Experience working with the Trouble Tickets on F5 Load balancers on LTM module.
• Network Segmentation-application migrations for enterprise Private Data Firewall and data behind ASA 5585-Xs
• Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls for stable VPNs.
• Configured Object Grouping, Protocol Handling and Code up gradation on ASA Firewalls.
• Configuration the access-list rules, network object-service group based on well-known port the port i.e. FTP/ SFTP, SSH, HTTPS/HTTPS (SSL) and etc
• Switching related tasks included implementing VLANs, VTP and configuring and maintaining multi VLAN environment and inter-VLAN routing on Fast-Ethernet channel.
• Worked with different vendors and implement Site-to-Site VPNs over the Internet.
• Negotiate VPN tunnels using IPSec encryption standards and configured and implemented site-to-site VPN, Remote VPN.
• Security policy review and configuration in Palo Alto and JuniperSRX Firewall in US offices and Datacenter.
• Experience working Juniper T-Series, M-Series, MX-Series, J-Series Routers.
• Configured and monitored Firewall logging, DMZ's and related security policies.
• Configuration of ACLs in Cisco 5540 series ASA firewall for Internet Access requests for servers in LAN, DMZ and for special user requests as authorized by management.
• Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-VLAN routing, LAN security.
• Implementing, configuring and troubleshooting routing protocols such as OSPF (v3, v2), RIPv2, BGPv4, EIGRP, HSRP, GLBP and MPLS.

Network Security Engineer /RF Engineer
CVS Caremark   -   Woonsocket, RI - October 2014 to May 2016

Responsibilities:

• Successfully migrated the cisco legacy environment which consist of 6500, 4500 to Cisco Nexus 7k/5k/2k.
• Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
• Security policy review and configuration in Palo Alto and Juniper SRX Firewall in US offices and Datacenter.
• Configuring & managing around 500+ Network &Security Devices that includes Cisco Routers & Switches, Nexus Switches, Juniper and Palo Alto Firewalls, F5 BigIP Load balancers, Blue Coat Proxies and Riverbed WAN Optimizers.
• Configuring various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.

• Implementing security Solutions using Palo Alto PA 5000, Check Point Firewalls R75, R77.20 Gaia and Provider-1/MDM.
• Deployed the Nexus 7000/5000/2000 architecture into production securing competitive advantage across multiple verticals.
• Integration of Open Contrail Controller with OpenStack Controller and OpenContrail vRouter with Compute Node.
• Prepared schematic diagrams and testing procedures to management.
• Worked with software and telecom engineers to integrate designs into large scale communication systems.
• Developing design schematics and support layout of RF printed circuit boards.
• RF and/or software troubleshooting, maintenance and fault isolation abilities.
• Worked on high power RF transmitters and antennas, filtering designs, modulation techniques
• Frequency Planning, Frequency Auditing and Neighbor Planning for new and old Cell Sites in the respective region.
• Worked extensively in Configuring, Monitoring and Troubleshooting Juniper security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design.
• Converting CatOS to Cisco IOS Config Conversion on distribution layer switches
• Convert Branch WAN links from TDM circuits to MPLS and to convert encryption from IPSec/GRE to Get VPN.
• Provided technical support to electrical department.
• Designing RF circuits, filters, power amplifiers and lumped element matching circuits.
• 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.
• Successfully installed Palo Alto PA 3060 Firewall to protect data center and provides L3 support for routers/switches/firewall.
• Planning, Designing and assisting in deploying enterprise wide Network Security and High Availability Solutions for ASA.
• Responsible for developing RF systems, high power amplifiers and testing phases.
• Antenna selection for the new and existing sites.
• Involved in Configuration of Access lists (ACL) on Juniper and Palo ALto firewall for the proper network routing for the B2Bnetwork connectivity.
• Switching technologies like VLAN, Inter-VLAN Routing, Ether-channel, VTP, MLS, HSRP, VRRP,
• UDLD, Spanning Tree Protocol 802.1d, 802.1s and 802.1w.
• Have implemented Cisco ACE load balancers across the DC for various projects.

Network Engineer
AT&T   -   Oregon City, OR   -   November 2013 to September 2014

Responsibilities:
• Senior network engineer providing network and network security design, implementation, and level 3 escalation support
• Integrated firewall solutions for numerous client networks and enclaves
• Designed and implemented core switching and routing functionality for datacenters utilizing primarily Cisco Nexus 7000, 5000, 4000, and 2000 series switches.
• Oversaw numerous hardware upgrades, technical refreshes, and equipment migrations
• Administered and engineered Cisco ASA, NetScreen5200, Juniper ISG , Juniper SRX, and Palo Alto firewalls to provide secure connectivity and integration with F5 reverse-proxy and load-balancing
• Designed and implemented DMZ architectures
• Provided tier-3 escalation support for enterprise technologies.
• Configured crypto-maps, isakmp policies, transform sets for IPSEC-VPN connectivity
• Configured policy-based and route-based IPSEC-VPNs for Juniper ISG And ACX devices

• Designed firewall solutions to include zones, policies, NAT & PAT, address-groups, and network objects.
• Performed security audits to ensure optimal network functionality and hardening.
• Designed and implemented McAfee 4010 and Cisco 4200 series Intrusion Prevention and Detection System solutions
• Configured data center switches for network backup, replication, and storage and resolved related technical issues.
• Managed and maintained high-availability firewall clusters utilizing NetScreenOS (NS5200 & ISG1000), JunOS (SRX 240, 1400, 3400), Palo Alto (3050) and Cisco ASA (5585x)
• Architected ACS TACACS+ solutions for client networks and administered user permissions.
• Developed local standard operating procedures and configuration guides for switches, routers, firewalls, and IPS/IDS devices.
• Created and maintained network drawings and documentation utilizing Microsoft Visio and Office tools.
• Designed and configured F5-BIGIP-LTM reverse proxy & load balancing solutions for client networks.

Network Admin

Beam Broadband   -   Hyderabad, ANDHRA PRADESH, IN - August 2012 to July 2013

Responsibilities:
• Responsible for monitoring the Network performance based on company's Service Level Agreement (SLA).
• Documented the company's design, implementation and troubleshooting procedures.
• Configured VLANs with 802.1Q Tagging according to the Server team's requirements.
• Tested the new zone for failover capabilities and redundancy. Connected the Distribution routers to the Core routers via OSPF Areas.
• Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
• Performed IOS upgrades on various catalyst series switches and maintained latest IOS versions according to company's policy.
• Responsible for cabling and labeling based on day to day requirement and Racking & Stacking of various network equipment and made sure that there are no connectivity issues using ping and tracer.
• Provided Helpdesk support that involved identifying and escalating the tickets to specific groups.
• Responsible for level 2 support of existing network technologies /services& integration of new network technologies / services.
• Configured VSS on Cisco Catalyst 6509 switches to have redundancy. Worked on T1/E1/T3 technologies and different LAN & WAN technologies.
• Supported various LAN environments consisting of Cisco 6500 switches with Sup-720.
• Designed and implemented Cisco 7500, 7200, 6500, 3600, 2600 Series routers in lab environment to reproduce various issues and test fixes for them.
• Troubleshooting complex LAN /WAN infrastructure that includes routing protocols EIGRP, OSPF.
• Configured Access-lists, Distribution-lists, Offset-lists and Route Redistribution.
• Supported multi area OSPF implementations.
• Involved in configuration of OSPF Summarization (Summarizing internal and external routes).
• Scalability of OSPF by Filtering of Intra, Inter and External OSPF routes
• Used various BGP Attributes and various Route-filters such as named Access-lists, Prefix lists, Route-maps to permit or deny routes and to change various attribute
• Experienced in implementation and troubleshooting knowledge of protocols and technologies, especially in the following: BGP4, OSPF, IPv4, and Ethernet.
• Configured Ether channels, Trunks, Vlans, HSRP in a LAN environment.
• Configured STP for loop prevention and VTP for Inter-VLAN Routing.
• Responsible for performing administration on BGP, OSPF routing protocols.
• Implemented route redistribution between OSPF and EIGRP.

Network Support Engineer

ICICI Bank - Hyderabad, ANDHRA PRADESH, IN - May 2011 to July 2012

Responsibilities:
• Worked as part of a team for Cisco Product Support. Troubleshooting by providing relevant knowledge base articles and other information.
• Network solutions for complex networks for VAR (Value added resellers) users of Cisco.
• Configured & maintained LAN, WAN, VPN, WLAN, and Firewalls on Cisco Routers for end users.
• Configuring MPLS, VPN (IPSEC, GRE) in VPN concentrators and QOS in integrated networks (Data, Voice, and Video).
• Installed and configured of Juniper J-Series (J2350) and M-Series (M10) routers.
• Installed and configured the ACE and CSM for firewall/Server Load balancing for Cisco Catalyst switches.
• Configuring IPS, IDS, VLAN, STP, Port security, SPAN, Ether channel in Cisco Composite Networks.
• Configured routers and modems, troubleshot issues related to broadband technologies for Residential and Business Customers.
• Apache Web Server & MRTG, BIND DNS Server configuration and optimization over UNIX and Active directory implementation of Windows 2003 Server.
• Configured & Maintained Cisco 2600, 2800, 3200 series routers including IOS upgrades.
• Prompt technical support to customers on routers and switches.
• Remote management of large networks.

SKILLS

CISCO (6 years), INTERNET PROTOCOL SECURITY (6 years), IPSEC (6 years), SECURITY (6 years), VLAN (6 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS:
Routing Protocols:
OSPF, EIGRP, BGP, RIP v1/v2, PBR, Route Filtering, Redistribution, Summarization, and Static Routing, IS-IS, ICMP, FTP, SMTP, HTTP/HTTPS

Switches: Nexus 2K/5K/7K, Cisco Catalyst 6500, 4500, […] 3750, 2960; UCS- C, UCS-D, UCS-M, CUCM
Switching: LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Ether channels, Transparent Bridging.
Network Security: Cisco ASA 5540, ACL, IPSEC, F5 Load Balancer, Checkpoint, Blue Coat, Palo Alto, SCADA, Process Control Domain(PCD)
Load Balancer: F5 Networks (Big-IP) LTM 8900 and 6400, GTM, Cisco CSM, APM
LAN: Ethernet (IEEE 802.3), Fast Ethernet, Gigabit Ethernet
WAN: PPP, HDLC, Channelized links (T1/T3), Fiber Optic Circuits, Frame Relay.
Various Features & Services: IOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP, FTP.
AAA Architecture: TACACS+, RADIUS, Cisco ACS.
Network Management: Wireshark, SNMP, Solar winds, HP Open View, KTLO, Cisco Prime

Cisco Certified Network Associate (CCNA) in Progress.