

Siva N

Principal - Financial Group

Des Moines, WA - Email me on Indeed: [indeed.com/r/Siva-N/f485238160f9096a](https://www.indeed.com/r/Siva-N/f485238160f9096a)

- * 8 years of professional experience in Network Planning, Implementing, Configuring, Troubleshooting and Testing of networking system on both Cisco and Juniper Networks.
- * Experience with the escalation problems for Routing, Switching and WAN connectivity issues using ticketing system remedy.
- * Experience of routing protocols like EIGRP, OSPF, RIP, and BGP.
- * Worked on Cisco 7200, 3800, 3600, 2800, 2600, 1800 series Routers and Cisco 2900, 3500, 4500, 5500 series switches.
- * Extensive hands-on experience with complex routed LAN and WAN networks, routers and switches.
- * Hands-on experience and configuration in setting up Cisco routers to perform functions at the Access, Distribution, and Core layers.
- * Experience with BIG-IP F5 load balancers, version 9.x, 10.x, 11.x, Citrix NetScaler and Web Accelerators.
- * Experience in the setup of Access-List, RIP, EIGRP, and tunnel installations.
- * Proficiency in configuration of VLAN setup on various Cisco Routers and Switches.
- * Configure all Palo Alto Networks Firewall models (PA-2k, PA-3k, PA-5k etc.) as well as a centralized management system (Panorama) to manage large scale firewall deployments.
- * Network monitoring and debugging tools: SevOne, NetScout, and Wireshark.
- * Experienced with VSS, VPC, Nexus7000.
- * Good understanding of NAT & Firewall on Aruba Controllers.
- * Worked on various network projects involving Cisco Routers- ASR [...] Switches-Nexus 7K/5K/2K.
- * Enhanced level of experience with OSPF, BGP and TCP/IP.
- * Hands-on experience in using network monitoring tool SolarWinds Orion.
- * Build UCS manager policy-based provisioning, automation and management to high density, high performance computing.
- * Worked extensively on Juniper MX Series Routers and EX series Switches.
- * Strong knowledge in HSRP, VRRP redundancy Protocols.
- * Strong experience on Juniper SSG series Firewalls and Checkpoint R75, R76 Firewalls.
- * Experience in Network Management Tools and sniffers like SNMP, HP-Open view, Wireshark and Cisco works to support 24 x 7 Network Operation Center.
- * Experience in physical cabling, IP addressing and subnetting with VLSM, configuring and supporting TCP/IP, DNS installing and configuring proxies.
- * Access control server configuration for RADIUS & TACAS+.
- * Hands-on experience using Cisco Virtual Switching System (VSS).
- * Good knowledge of CISCO NEXUS data center infrastructure with 5000 and 7000 series switches (5548, 7010) including CISCO NEXUS Fabric Extender (223, 2248).
- * Knowledge of Experience with 802.11x wireless technology and Juniper SRX 240 Firewalls.
- * Ability to Install, Manage & Troubleshoot Large Networks & Systems Administration on Windows & Linux platforms in Development, Lab & Production Environments.
- * Hands-on Experience with CISCO Nexus 9000, Nexus 7000, Nexus 5000, and Nexus 2000 platforms.
- * Experience with configuring Nexus 2000 Fabric Extender (FEX), which acts as a remote line card (module) for the Nexus 5000.
- * Review all changes to network configuration for technical accuracy and impact and provide Multi- Protocol Network problem resolutions.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Principal

Financial Group - Des Moines, IA - February 2016 to Present

Sr. Network Engineer

Responsibilities:

- * Configured Static IGRP, EIGRP and OSPF Routing Protocols on Cisco 1600, 2600, 2800, 3600, 7300 series Routers.
- * Configured Site to Site IPsec VPN tunnels to peer with different clients and each of client having different specifications of Phase 1 and Phase 2 policies using Cisco ASA 5500 series firewalls.
- * Responsible for entire company network infrastructure that includes Cisco Switches, Routers, Firewalls, Access Points, Servers and PBX.
- * Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
- * Worked on Juniper SRX Versions 300, 3400, 3600, 220 implementing new and additional rules on the existing firewalls for a server refresh project.
- * Configuration and troubleshooting of EIGRP, OSPF, BGP, CSM, integration with ASA devices.
- * Experience in migration of VLANs & Configured VLANs with 802.1Q tagging, Ether channels, and Spanning tree for creating Access/distribution and core layer switching.
- * Installed and configured DNS, DHCP and Responsible for creating and configuring Forward lookup zone and reverse lookup zone.
- * Proficient with F5 LTM and Cisco CSM load balancer in between the servers inside the server farm and DMZ.
- * Configuring, and Administrating Citrix NetScaler solutions for remote authentication and load balancing in an enterprise DOD environment.
- * Configured EBGP load balancing and ensured stability of BGP peering interfaces.
- * Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA 5500 Firewalls.
- * Managing and configuring 4 juniper SSL VPN appliances (SA-4500 & 4000) for TSNA and ATS customers.
- * Deployed BIG IP Enterprise manager to cluster all the F5 LTM, GTM, ASA, NetScreen devices for easier management and common configurations.
- * Involved in migration of F5 Local traffic managers of LTM 5100 series to LTM 6800 series for higher.
- * Extensive use of NSM (Network and Security Manager) and CSM (Cisco Security Manager) for adding or modifying firewall policies for the firewalls in use.
- * Responsible for checkpoint firewall management and operations across global networks.
- * Adding and removing Checkpoint firewall policies based on service request from different users.
- * Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution.
- * Worked on migration of existing PIX firewall to ASA firewall, PIX OS upgrade from 6.3 to 7.0.
- * Implemented F5 hardware refresh of older 3600 hardware to Viprion.
- * Design and Implement DMZ for FTP, Web and Mail Servers with CISCO PIX 506, PIX515.
- * Design and configuration of Cisco security platforms specifically ACS, ISE and ASA.
- * Building the VPN tunnel and VPN encryption.
- * Migrating the access policies from Cisco ASA to Palo alto firewalls.
- * Researched, designed and replaced aging Checkpoint firewall architecture with new next generation PaloAlto appliances serving as firewalls, URL and application inspection.
- * Configuration and Administration of Palo Alto Networks Fire wall to manage large scale Firewall deployments.
- * Palo Alto design and installation which includes Application and URL filtering Threat Prevention and Data Filtering.
- * Configured Cisco 2800, 3800 routers and 3750, 4500, 6500 switches as part of the implementation plan.

Environment: Cisco 2948/3560/4500/3560/3750/3550/3500/2960/6500 switches and Cisco 3640/1200/7200/3845/3600/2800 routers, ASA, Palo Alto, Checkpoint, Citrix NetScaler, Cisco ISE, F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP.

Sr. Network Engineer

Waddell and Reed - Shawnee, KS - October 2014 to February 2016

Responsibilities:

- * Experience working with Nexus 7018/7010, 5020, 5548, 2148, 2248 devices.
- * Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000.
- * Mutual redistribution of OSPF and BGP routes using route maps.
- * Configuring rules and Maintaining Palo Alto & Analysis of firewall logs using various tools.
- * Recommend and design equipment configurations for LAN/WAN/VOIP deployment on Adtran, Fortinet, F5, Radware and Bluecoat.
- * Experience in Layer 3 routing - Cisco Routers: 2500, 2600, 3600, 3800, 3900, 7200 series, ASR 9000, 9001, 9006 series.
- * In-depth knowledge of Cisco ASA and Juniper NetScreen Firewall security, spanning-tree, Vlan's, TCP/IP, RIP, OSPF, QOS, VRRP and VPN technologies.
- * Worked on F5 BIG-IP LTM 8900, configured profiles, provided and ensured high availability.
- * Worked on F5 and CSM load balancers deploying many load balancing techniques with multiple components for efficient performance.
- * Also worked with Cisco ASA's 5505 and 5520, 5512X, 5515X.
- * Racking, Stacking, configuring Nexus 5K, 7K and 9K. Static pinning fabric interface connection, Port Channel fabric interface connection, configuring a Fabric Port Channel Created Build-Outs of new Safe Zone in Palo Alto Panorama VLANS, VIP, IP, VRF, BGP.
- * Configuring Static, IGRP, EIGRP and OSPF Routing Protocols on Cisco ASR 9000, 9001, 9006, 6500 series Routers.
- * Experience in Citrix NetScaler application delivery controller
- * Created and resolved Palo Alto and Checkpoint Firewall Rules, Routing, Pushed Policy.
- * Identified opportunities for implementation of network best practices, particularly F5 load balancer implementations.
- * Configuration and troubleshooting on HSRP, VRRP, GLBP, RSTP, MST related issues coming in network environment
- * Expert in troubleshooting F5 software modules, including BIG-IP LTM, ASM, APM and iRules
- * Designed OPNET labs for the switching and QOS management in IP Networks course.
- * Implementation and configuration of GLBP/HSRP on multilayer switches for first hop redundancy.
- * Hands on Experience testing iRules using Browser (IE), HTTP watch on f5 load balancers.
- * Designs and implement the security appliance ASA and SonicWall for the Site to Site, AnyConnect, SSL and Remote access VPN of many clients.
- * Upgraded Roger Management Network security appliances with Cisco Firewall ASA 5580, IDS, network management tools Cisco works (VMS, LMS, CSM), IDS/IPS.
- * Managed F5 Big IP LTM appliances to load balance server traffic in critical server access silos.
- * Planning/Implementation of the Cisco VPN clients to Cisco AnyConnect.
- * Installed high availability Big IP F5 LTM and GTM load balancers to provide uninterrupted service to customers.
- * Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
- * Managed 4 data centers security equipment and Deployed SRX 3600 and 5800 chassis.

- * Configuration and extension of VLAN from one network segment to their segment between different vendor switches (Cisco, Juniper).
- * Substantial lab testing & validation prior to implementation of Nexus 9K, 7K, 5K & 2K connecting to blade servers.
- * Convert Campus WAN links from point to point to MPLS and to convert encryption from IPSec/GRE to GET VPN.
- * Handles different networking platforms such as Cisco ASA firewall, ASR routers, Cisco Catalyst switches and routers, Bluecoat Packet Shaper, Cisco WSA.
- * Enabled STP attack mitigation (BPDU Guard, Root Guard), using MD5 authentication for VTP, disabling all unused ports and putting them in unused VLAN and ensuring DHCP attack prevention where needed
- * Troubleshooting and installing of CRS, ISR, GSR, ASR9000 and Nexus devices.
- * Responsible for layer 2 securities which was implemented using a dedicated VLAN ID for all trunk ports and setting the user ports to non-Trunking, deployed port security when possible for user ports.
- * Responsible for Cisco ASA firewall administration across our global networks.
- * Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols EIGRP, OSPF & BGP.
- * Involved in the redistribution into OSPF on the core ASA firewall.
- * Involved in the removal of EIGRP from all devices and making OSPF the primary routing protocol.
- * Involved in the modification and removal of BGP from the MPLS routers.
- * Migration of existing IPSEC VPN tunnels from Pre-Shared key to Certificate Authority for purpose of scaling.

Environment: Cisco2500/2600/3600/38000/39000/7200/ASR1004/ASR9000Series Routers and Nexus 2k/5k/7k Switches, Cisco ASA 5500,5512X,5515X series, Juniper SRX, Palo Alto, Checkpoint, Firewalls, F5 BIGIP LTM, APM, ASM Load Balancers, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP, VRRP, QOS, IDS/IPS.

Network Engineer

MasterCard - O'Fallon, MO - April 2013 to September 2014

Responsibilities:

- * Maintain and track the status of device supplied to the client.
- * Implemented Juniper firewall & switches.
- * Installation & Maintenance of Juniper switches, routers & firewalls.
- * Implementing and maintaining WAN/LAN and WLAN networks in different diagrams.
- * Implemented various EX, SRX & J series Juniper devices.
- * Identified opportunities for implementation of network best practices, particularly F5 load balancer implementations.
- * Monitor performance of network appliances and WAN utilizing using network analyzer like Wireshark.
- * Deployed BIG IP Enterprise manager to cluster all the F5 LTM, GTM, ASA, NetScreen devices for easier management and common configurations.
- * Involved in migration of F5 Local traffic managers of LTM 5100 series to LTM 6800 series for higher.
- * BIGIP ASM Positive and Negative Policy Reinforcement, iRule, Full proxy for HTTP, Server Performance Anomaly Detection.
- * Design and integration of Juniper SSG series firewalls, SA VPN Appliances, J series Routers, and EX series switches.
- * Help in building Cisco UCS servers to simplify data center architecture; reduce the number of devices to purchase, deploy, and maintain; and improve speed and agility.
- * Implementing and configuring F5 Big-IP LTM-6400 load balancers.
- * Security systems and appliances Cisco ASA 5520, Fortinet, Bluecoat, PacketShaper 7500.
- * Configuring and managing FC zones on Cisco 9K/7K/5K.
- * Created and resolved Checkpoint, Palo Alto Customer Orders and Request Orders.

- * Configuration of Fabric path and connectivity between Nexus 7K and Nexus 5K and installation of Nexus 5K.
- * Configured Routing protocols like BGP, OSPF, MPLS, multicast and L2 protocols in ASA to check it is passing through via ASA in customer deployments.
- * Managed all project work related to F5 development (code, content, and marketing).
- * Maintenance and trouble-shooting of LAN, WAN, IP Routing, Multi-Layer Switching.
- * Performed interconnection of customer sites using IPSec VPN.
- * Perform Packet Shaper Bluecoat 75000 OS upgrade, maintenance and configurations.
- * Performing onsite data center support including monitoring electrical power, switch alarms, network alerts and access logs.
- * Implemented site to site VPN in Juniper SRX as per customer.
- * Provides direct support for all hardware moves, adds, and changes for the VoIP devices.
- * Responsible for providing Certification and Accreditation support for Cisco VoIP systems and helping with Voice Engineering efforts.
- * Installed high availability Big IP F5 LTM and GTM load balancers to provide uninterrupted service to customers.
- * Optimizing and monitoring the performance of a WLAN, LAN, WAN and user's segments.
- * Preparing weekly reports and follow- up with clients.
- * Update data related to network configuration, setup and implementation of Juniper Topology.
- * Configuring RIP, OSPF and Static routing on Juniper Series Routers.
- * Configuring VLAN, Spanning tree, VSTP, SNMP on EX series switches.
- * Maintain connectivity for approximately 300 switches and routers in a 500+ node network.
- * Experience with deploying Fabric Path using Nexus 7000 Devices.
- * Experience with configuring OTV between the data centers as a layer 2 extension.
- * Implemented cluster and configuration of SRX-100 & 110 Juniper firewalls.
- * Working with MPLS Designs from the PE to CE.
- * Design and deployment of MPLS QOS, MPLS Multicasting per company standards.
- * Implemented Virtual chassis of Juniper EX series switches as per client requirement.

Environment: Juniper EX/SRX Switches, E, J Series Routers, Nexus 5k/7k Switches, Cisco ASA 5500 series, Juniper SRX, Palo Alto, Checkpoint, Firewalls, F5 BIGIP LTM, GTM, L3 VPN, OSPF, BGP, MPLS, EIGRP, LAN, WAN, RSTP, STP, BPDU, HSRP, VRRP, QOS, IDS/IPS.

Network Engineer

IBM - July 2011 to March 2013

Responsibilities:

- * Actively participated and completed many projects based on MPLS VPN, Internet Solutions for corporate customers Backbone.
- * Hands on experience working on Cisco 7600, 12K, ASR routers & Juniper MX series
- * Worked on wireless upgrade project for Allegheny Health network and their EPIC roll out.
- * Verifying Dynamic Host Configuration Protocol for IPv6 (DHCPv6) and DNSv6 options.
- * Performed wireless network design, site surveys as well as Troubleshooting and repairing any issues that occurred on site.
- * Managing proxy server for branches and head office for internet access through Bluecoat Proxy SG600 for URL Filtering, traffic acceleration and visibility reporting with Bluecoat reporter.
- * Configuration and troubleshooting of many link types i.e. SONET Controllers for sub E1/T1, E3/T3 and POS controllers for STM1 links.
- * Experienced on Cisco ISE and advanced technologies like QOS, Multicasting, MPLS and MPLS-VPN and Bluecoat proxy server SG.
- * Provided tier 3 support for Checkpoint Firewall-1 software to support customers.

- * Worked on Checkpoint Platform including Provider Smart Domain Manager and on configuring, managing and supporting Checkpoint Gateways.
- * DNS Zone administration for 13 countries across EU for COLT customers.
- * Implementation and testing of ISDN BRI/PRI circuits.
- * Migrated Vlans from ASA (perimeter firewalls) to FWSM's for better security management.

Environment: Cisco 7600 /ASR Routers, Juniper MX/EX Switches, IPv4/IPv6, Bluecoat proxy server/ASA/ Checkpoint/DNS, MPLS VPN, BGP, OSPF.

Network Engineer

iGate - IN - May 2009 to June 2011

Responsibilities:

- * Performed troubleshooting, while maintaining trouble ticket tracking, following internal/external escalation procedures and customer notifications.
- * Supporting development team for the access to corporate network and outside world. Providing access to specific IP, Port filter and port access.
- * Configured the Cisco router as IP Firewall and for NATTING. Switching (Ethernet) related tasks included implementing VLANS and configuring ISL trunk on Fast-Ethernet channel between switches.
- * Installing new equipment to RADIUS and worked with MPLS-VPN and TACACS configurations.
- * Working on creating new load balancing policies by employing BGP attributes including Local Preference, AS-Path, and Community, MED.
- * Providing technical support to LAN & WAN systems.
- * Installing and maintaining Windows NT Workstations and Windows NT Server.
- * Monitor performance of network and servers to identify potential problems and bottleneck.
- * Monitoring Memory/CPU on various low-end routers in a network.
- * Configuring routers and send it to Technical Consultants for new site activations and gives online support at the time of activation.
- * Provided technical support on hardware and software related issues to remote production sites.
- * Performed administrative support for RIP, OSPF routing protocol.
- * Maintained redundancy on Cisco 2600, 2800 and 3600 routers with HSRP.

Environment: Cisco 2600/2800/3600 Routers, VLANS/NAT/RADIUS/TACACS/WINDOWS NT SERVER/LAN, WAN, RIPV2, EIGRP, OSPF, BGP, MPLS VPN.

SKILLS

Cisco Platforms Nexus 7K, 5K, 2K & 1K, Cisco routers (7600,7200, 3900, 3600, 2800, 2600, 2500, 1800 series) & Cisco Catalyst switches (6500, 4900, 3750, 3500, 4500, 2900, 6807 series), Juniper Platforms SRX, MX, EX Series Routers and Switches Networking Concepts Access-lists, Routing, Switching, Subnetting, Designing, CSU/DSU, IPSec, VLAN, VPN, WEP, WAP, MPLS, VoIP, Bluetooth, Wi-Fi Firewall ASA Firewall (5505/5510), Checkpoint, Cisco ASA, Palo Alto, Juniper SRX Network Tools Solar Winds, SNMP, Cisco Works, Wireshark (8 years), Load Balancers Cisco CSM, F5 Networks (Big-IP), LTM and GTM. WAN technologies Frame Relay, ISDN, ATM, MPLS, leased lines & exposure to PPP, DS1, DS3, OC3, T1 /T3 & SONET LAN technologies Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port-channel, VLANS, VTP, STP, RSTP, 802.1Q (8 years), Security Protocols IKE, IPSEC, SSL-VPN Networking Protocols RIP, OSPF, EIGRP, BGP, STP, RSTP, VLANS, VTP, PAGP, LACP, MPLS, HSRP, VRRP, GLBP, TACACS+, Radius, AAA, IPv4 and IPv6 Operating System Windows 7/XP, Windows Server 2008/2003, Linux, Unix (8 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS:

Cisco Platforms

Nexus 7K, 5K, 2K & 1K, Cisco routers [...] 3900, 3600, 2800, 2600, 2500, 1800 series) & Cisco Catalyst switches (6500, 4900, 3750, 3500, 4500, 2900, 6807 series),

Juniper Platforms SRX, MX, EX Series Routers and Switches

Networking Concepts Access-lists, Routing, Switching, Subnetting, Designing, CSU/DSU, IPSec, VLAN, VPN, WEP, WAP, MPLS, VoIP, Bluetooth, Wi-Fi

Firewall ASA Firewall [...] Checkpoint, Cisco ASA, Palo Alto, Juniper SRX

Network Tools Solar Winds, SNMP, Cisco Works, Wireshark

Load Balancers Cisco CSM, F5 Networks (Big-IP), LTM and GTM.

WAN technologies Frame Relay, ISDN, ATM, MPLS, leased lines & exposure to PPP, DS1, DS3, OC3, T1 / T3 & SONET

LAN technologies Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port- channel, VLANs, VTP, STP, RSTP, 802.1Q

Security Protocols IKE, IPSEC, SSL-VPN

Networking Protocols RIP, OSPF, EIGRP, BGP, STP, RSTP, VLANs, VTP, PAGP, LACP, MPLS, HSRP, VRRP, GLBP, TACACS+, Radius, AAA, IPv4 and IPv6

Operating System Windows 7/XP, Windows Server [...] Linux, Unix