Sampath

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**SUMMARY:**

* 8+ years of Network and IT administration experience in Data Center network and wide network administration.
* Expertise in creating repeatable, reliable, scalable network architectures, with fault tolerance, performance tuning, monitoring, systems, statistics/metric collection and disaster recovery
* Involved in extensive support for Networking Infrastructure involving UCS on Vblock infrastructure
* Extensive experience working with Cisco Routers, Cisco Catalyst Series Switches and ASA/PIX firewalls and network gear from other prominent vendors.
* Familiarity with Cloud Security and Cloud Disaster Recovery
* Perform Custer configuration, backup and restore the current Gateway installation
* Implemented Zone Based Firewalling and Security Rules on Firewall
* Experience working in Cloud infrastructure with VMware ESXi Server platforms for application servers. Network Configuration for server apps and app migrations support.
* Strong knowledge in MOP, NTP& PGB configuration, VPN administration – SSL VPN and authentication technologies, such as RSA SecurID
* Strong knowledge of IP networking, IP Address Management (IPAM) and ITIL guidelines.
* Strong in routing and switching protocol knowledge with skills in Layer 2/3 protocol features.
* Good with regression testing, scheduled project timelines and timely resolution of customer issues.

**Certifications**: Cisco Certified Network Associate (CCNA)

**TECHNICAL SKILLS:**

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| |  |  | | --- | --- | | LAN Technologies | VLAN, 802.1q, Inter-vlan routing, STP, RSTP, PVST, HSRP,VRRP GLBP,LACP | | WAN Technologies | Frame Relay, ISDN, PPP, MPLS, Wan Accelerator exposure to DS1, DS3, OC3, OC12, OC48, OC192, T1 /T3, 10G,  Autonomous AP's, Lightweight AP's WLC , WDS, Standards- 802.11a, 802.11b, 802.11g | | Network Hardware  Cisco and other vendor equipment | Cisco routers (7200, 3800, 3600, 2800, 2600, 1800 series), Cisco ASR (1000,5000,9000) Cisco MDS 9000 &Catalyst 6500, 4500, 4900, 3750, 3500, 2900, Cisco UCS blades, Juniper ,Arista, Series Switches, ASA/PIX Firewalls 5510/5520/5550,Nexus (1000,2000,5000,9000) | | Network Security | NAT/PAT, Firewall Design, IPSec/SSL/AnyConnect VPN Configuration, Checkpoint R65/R70/R75/R76/R77, Cisco ASA, Juniper Checkpoint Secure Platform (SPLAT), Firewall Load Balancing, IDS/IPS, RADIUS, TACACS+, and Digital Signatures. | | MplsRouting Protocols | EIGRP, OSPF, BGP, RIP & IGRP | | Infrastructure Services | DHCP, DNS, SMTP, FTP, TFTP, IIS | | Network Management&  APM | SNMP, Netcool, Solar winds, Cacti, Cisco Works LMS, MRTG 2.13, Ethereal Sniffer, OPNET, Infoblox, Wire shark, Microsoft PowerShell, Visio, Riverbed AppTransactionXpert, AppResponseeXpert. | |  |

**EDUCATION:**

**B.Tech.** in **Electronics and Instrumentation Engineering**, Bangalore**,** India

**PROFESSIONAL EXPERIENCE**

**Client: Open Lending, Austin, TX *May 2014 – Till Date***

Network Engineer

* Implemented, managed a campus network of many devices consisting of Cisco 7609/2600/2800/7200/ASR1000/5000 Routers and Cisco 2900/3700/6500/4500 switches.
* Worked on BGP, OSPF, MPLS enabled network environment.
* Provided last point of escalation to high care network incidents and provide immediate break-fix remediation such as disaster recovery re-configuration.
* Enforced network security to DMZ & external Market Data vendors via Cisco PIX 515 and ASA 5500 series firewall rules, and NAT.
* Worked on Cisco ASR 5000 EMS for protocol monitoring, session monitoring and auditing and network troubleshooting
* Diagnose and resolve application and network issues through Wireshark packet captures, ensuring end-to-end IP connectivity.
* Work with Load Balancing team to build connectivity to production and disaster recovery servers through F5 Big IP LTM load balancers.
* Maintained the company’s Infoblox IPAM system – manage IP addressing and DHCP globally
* Configuration of BGP using attributes, route-map, prefix-list etc.
* Configuring BGP features such as Route Reflectors, BGP metrics such as MED, AS path, local preference and communities.
* Break-fix routing issues and implement best practices of OSPF and BGP routing protocols.
* Configuration of 7609, 7606 with Trunking 802.1Q.
* Experience in working with unix/linux environment for solving the network related issues.
* Conduct extensive root cause analysis to quickly alleviate technical problems. Network documentation creation for all deployed solutions across network environment.
* Consistently complete projects ahead of schedule, facilitating quality customer satisfaction.
* Collaborated extensively with various telecommunications firms including AT&T, Verizon etc. and quickly resolved technical issues, specifically related to T1, T3, OCx and Frame-Relay.

**Client: In Genesis, San Antonio, Tx *Apr 2013 – Apr 2014***

Network Security Administrator

* Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with Cisco ASA VPN experience
* Migrations included and not limited to Cisco to Cisco and Cisco to Checkpoint and Checkpoint to Checkpoint
* Worked extensively with Nexus 7000, 5000, 2000, Cisco 6500 series multilayer switches, Cisco 2960s series switches and Cisco 3560/3750s switches
* Appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design
* Configuring VPN, clustering and ISP redundancy in Checkpoint firewall
* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security
* Monitoring and troubleshooting traffic through Smart View Tracker
* Configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design
* Experience with configuring Virtual Server and Configuring Load balancing methods in F5 LTM
* New firewall design, installation, routing configuration & implementation. Manage and support Remote Access VPN setup for users and field locations with Nortel VPN Captivity Switch and RSA Secure IDS two-factor authentication
* Configuring, maintaining and troubleshooting IPS and IPS-1 in Checkpoint
* Maintain the periodical software update on security devices depends upon the bugs fixed with the new software releases
* Implementation, configuration and support of Checkpoint and ASA firewalls for multiple clients
* Firewall Policy administration and work with user requests submitted by users
* Maintain the security standards across the security devices as per the security policies. IDS/IPS Signature updates and CSM Management
* Implemented and troubleshooting the Virtual firewalls (Contexts) solutions in ASA
* Designed and implemented various Routing protocols such as OSPF, EIGRP, RIP, BGP across networks in multiple locations
* Implemented and troubleshooting the Virtual firewalls (Contexts) solutions in ASA

**Client: TeleDirect Comm, Sacramento,CA *Jul 2012 –Mar 2013***

**Network/Firewall Administrator**

* Responsible for installation, troubleshooting of firewalls (Cisco firewalls, Imperva Web app Firewalls, Checkpoint firewalls and Juniper firewalls,) and related software, and LAN/WAN protocols
* Administering multiple Firewall of Juniper/NetScreen, in a managed distributed environment. Fulfilling routine change requests of Net Screen OS Firewall and resolving trouble tickets, maintain and monitoring firewalls using scanning software Nesses
* Knowledge of Juniper environment including SRX/Junos Space
* Hands on experience on all software blades of checkpoint firewall
* Configuring VPN, clustering and ISP redundancy in Checkpoint firewall
* Configuring, maintaining and troubleshooting IPS and IPS-1 in Checkpoint
* Configured redundant interfaces, DHCP server, DHCP relay, ntp settings, and sub interfaces on firewalls
* Built and support VRRP / Cluster based HA of Checkpoint firewalls
* Perform Checkpoint and PIX firewall/IDS design, integration and implementation for Cyber Trap client networks
* Perform QA Checks on block point builds of SPLAT and GAiA Checkpoint Firewalls running on HP Proliant Servers
* Responsible for installation, troubleshooting of firewalls (Imperva Web app Firewalls, Checkpoint firewalls) and related software, and LAN/WAN protocols.
* Responsible for the implementation, documentation, and day-to-day support of the Imperva Database Firewall
* Perform advanced troubleshooting using Packet tracer and tcpdump on firewalls
* Configuring VLAN, Spanning tree, VSTP, SNMP on Juniper EX series switches
* Implement changes on switches, routers, load balancers (F5 and CSS), wireless devices per engineers instructions and troubleshooting any related issues
* Troubleshooting the VPN tunnels by analyzing the debug logs and packet captures
* Automation of security operations and optimizing the usage of infrastructure
* Configuring and testing Multicast for both IPv4 and IPv6 routing in Data Center Environment
* Configuration of SSL VPN through access blade and up-gradation of Firewall
* Participated in Pfizer Legacy Data Center Network Infrastructure Transition and Disaster Recovery Center transition for various locations
* Works closely with Customers in determining the business needs for a Project and build Detail design which includes Data Flow diagram, Logical and Physical Diagram
* Planning, designing and implementing a secure ODC Network setup for upcoming projects

**Client:** [**Tax Guard**](http://inc.com/profile/tax-guard)**, Boulder, CO *Nov 2011 – Jun 2012***

Network Engineer

* Provided staff augmentation support for BGP, EIGRP, OSPF and Multicast enabled enterprise network using Cisco equipment including 6509s with FWSMs, 3750 Stackwise switches, PIX & ASA firewalls.
* Extensive support for Networking Infrastructure involving UCS on Vblock infrastructure
* Support WAN connectivity using Level-3, ZAYO MPLS multi-campus infrastructure.
* Migrated Vlans from ASA (perimeter firewalls) to FWSM’s for better security management.
* Administered VPN and authentication technologies, such as RSA SecurID
* Provided detailed network analysis, investigation and documentation services, including written site information and detailed physical and logical Visio network drawings.
* Performed 24\*7 on-call rotation schedule over network monitoring tool interface and configures Loopback connectivity for enterprise network.
* Worked with ACL (access control list) requests like add-remove-audits.
* Network monitoring, trends, outage tracking, Perform and schedule preventative maintenance and periodic high availability testing on all network equipment.
* Participate in Change control reviews and team change configuration peer reviews as a part of agile methodology.
* Work with Load Balancing team to build connectivity to production and disaster recovery servers through Citrix Netscalers.

**Client:** [**Mass Metal**](http://inc.com/profile/mass-metal)**, Lawrence, KS *Nov 2009 – Oct 2011***

Network consultant

* Provided staff augmentation support of a multi-campus enterprise using Cisco equipment including 6509s with FWSMs, 3750 Stack wise switches and ASA firewalls.
* Support WAN connectivity using Verizon-based MPLS multi-campus infrastructure and monitored WAN circuit Upgrades/Downgrades
* Involved in FWSM/ASA firewall implementations and security management for corporate data center and remote locations.
* Layer 2 VPNs and IPSEC were integrated into the customer network for security.
* Provided detailed network analysis, investigation and documentation services, including written site information and detailed physical and local Visio network drawings.
* Installed/managed Intermediate/Main distribution frame (IDF/MDF) components, edge switches/routers of Cisco series 3750/3750G PoE/3845/Foundry 2402 for VLAN management, Trunking 802.1Q/EIGRP routing to main frame.
* Configured/managed Window server 2003/2008 Active Directory/group policies/terminal services/DHCP services/server disk management/periodic server based maintenance.
* Performed on-call rotation schedule over SNMP network monitoring tool interface as well as on site duties.
* VLAN design and implementation, Spanning Tree protocol (STP) configuration and support using Rapid PVST to avoid loops in the network. 802.1q Trunking and port channel creation.

**Client: ICICI Bank, Hyderabad, India  *Jul 2007 – Oct 2009***

Network Admin

* Create and test Cisco router configurations with OSPF, routing protocols.
* Trouble shooting single and multiarm topologies, Fix routing issues and misconfigurations.
* Performed on-call rotation schedule using SNMP network monitoring tool for client support sites.
* Work with field engineers and escalation teams to patch and update networking software on client’s network gear, mostly using Cisco routers and Nexus switches.
* Provide staff support for a multi-campus enterprise using Cisco equipment including 6509s with Firewall and Cisco Catalyst switches.
* Provide recommendations on network infrastructure and reorganization with detailed network analysis using VISIO network drawings.
* VLAN design and implementation for new network requirements, including VLAN bridging and multi-port Trunks.
* Provide on call network support for various enterprise network clients.