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SUMMARY

* Expertise in IT & Networking Administration including installments and configurations of physical networks (servers, switches, routers, panels, ports & hubs).
* Expert Level **Palo Alto, CheckPoint**and **Juniper SRX**Firewalls Administrator.
* Proficient in Cisco IOS for configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS.
* Windows & Red Hat Servers Network Configuration including User Management Active directory and mail servers – Exchange and Cloud.
* Highly experienced in VPN Implementation IPsec VPN and SSL VPN Server-to-Server and Client-to-Server.
* Worked extensively on firewalls and VPN gateways Checkpoint, Blue Coat Web Gateway, CISCO, Juniper, Fortigate GUI and Shell.
* Hands on Experience in design, installation, configuration, maintenance and administration of Checkpoint Firewall R55 up to R77.20 version, Blue Coat Proxy Server Secure Platform Installation, VPN.
* Configuring/Managing Intrusion Prevention System (IPS): Cisco IPS/Fortinet & Checkpoint UTM.
* Installation of Windows 2003 enterprise and standard editions, R2, Windows 2000 standard and advanced server editions.
* Experienced in DHCP DNS, NIS, NFS, SMTP, IMAP, ODBC, FTP, TCP/IP, LAN, WAN, LDAP, HP RDP, security management and system troubleshooting skills.
* Experienced systems engineer and lead technician, setting scope and deliverables, timelines, budgets and maintaining communication between layered teams.
* Thorough knowledge of the installation, termination and troubleshooting of the physical layer and data link layer of the OSI model.
* Contributes a multifaceted data systems skillet with strong business and accounting acumen to drive successful projects and meet modern infrastructure challenges.
* Strong communicator: able to interact effectively and positively with individuals of all technical abilities; An Out-of-the-Box Thinker, Believe in Team Work & Team Spirit, Decision Maker, Proactive, Customer Focused & Good Documentation / Presentation Skills.

**SKILLS:**

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| **Operating System** | | Windows XP, 2000, NT, 98, 95, Win7, Win8, Visio, IMACD, Cisco IOS, Windows NT 4.0 (Desktop/Server), Windows Server, Windows XP/Windows 7/8, LINUX, ITILv3. |
| **Routing and Switching Technologies** | | RIP, RIPv2, OSPF, EIGRP, BGP, Static Routing, VLAN, VTP, HSRP, VRRP, GLBP, Stacking, STP, Port-fast. CDP, Access Control List (ACL), Network Address Translation (NAT), Port Address Translation (PAT). |
| Security Technologies | | IPS/IDS, Firewall, VPN, Tunneling, IPSEC, DMZ, ACL, SSL, TACACS+, RADIUS |
| Wireless Technologies: | | 802.11 a/b/g/n, WLAN, WAP, AP, SSID, IMACD |
| Firewall : | | Palo Alto PA-7000 Series, PA-5000 Series, PA-3000 Series, PA-500, PA-200, Checkpoint IPSO, SPLAT, GAIA, CISCO ASA5506, 5508, 5516, 5585, 5520, 5515 |
| Routers and Switches | | Cisco 2600, 3600, 3800, 7200, 7600, ASR 9001 Cisco 2960, 3750, 4500, and 6500 and Nexus 2K/3K/5K/7K series |
| Juniper Devices | | Juniper EX Series 2200, 2300, 3300, 2400, 4200, 4300, 4550, 4600, 8200, 9200 QFX Series 5100, 5200, 10000. Juniper PTX Series 1000, 3000, 5000, ACX Series ACX 500, 1000, 1100, 2100, 2200 |
| Routing and Load Balancing Protocols | | RIP v1/v2, OSPF, EIGRP, IS-IS, BGP, PBR, Route Filtering, Redistribution, Summarization and Static Routing, MPLS, HSRP, VRRP, GLBP, Various Features / Services IOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP and FTP. |
| Network Management Tools | | Wireshark, NetflowAnalyzer, Cisco Works, Ethereal, SNMP, HP open view, Ethereal. |
| Load Balancers | Load Balancer F5 LTM/GTM, F5 BIG IP, F5 BIG-IP LTM, F5 BIG-IP GTM, Citrix NetScaler, Citrix NetScaler ADC. | |
| Technical Certifications | CCNA, Palo Alto ACE Certified, JNCIA, SCP (Solarwinds Certified Professional) | |

**Network and Security Engineer Nov 2016 – March 2017**

**Verizon Digital Media Services**

* Responsible for peering and maintenance in content Delivery networks.
* Trouble shooting and Incident resolving on Juniper Mx-960 and 10,000 Switches.
* Configured and worked on Juniper MX240 and MX40 router, and optimized network for application delivery in virtualized network environment.
* Worked intensively of BGP and IBGP for troubleshooting, peering and circuit turnups.
* Implemented various routing protocols such as BGP,IBGP,RIP, EIGRP and OSPF on Juniper MX routers; also taking care of issues such as discontinuous networks.
* Configuring and troubleshooting Layer 2 Ethernet switch and router interfaces for Arista, Cisco, and Juniper.
* Services expert responsible for effectively communicating, educating, and positioning Infoblox service programs within the partner community and customer base.
* Configure Juniper QFX 5100 switches for managed colocation customers.
* On-site Juniper support engineer for on a Juniper MX migration to QFX 10 k implementation.
* Configured and troubleshoot Enterprise Routers, CISCO ASR 9K, CISCO 2900 and 2800 series Routers. Hands on experience with Cisco call Manager Express, Cisco Voice over IP.
* Configuring and troubleshooting Layer 3 VPN on Cisco, Juniper, and Arista.
* Established IPSec VPN tunnels between branch offices and headquarter using Juniper SRX Firewall
* Responsible for all Juniper SRX firewalls consisting of SRX 3560, 1400, 550. Using CLI and/or Junos Space Security Director for management. Install, upgrade, troubleshoot, design, etc.
* Implemented inter-VLAN routing (on Juniper EX 3300 and EX 3400 switches) among the VLANs to allow communication on larger internetworks.
* Implemented extended ACLs on Juniper SRX and 3750 to allow communication between the required networks, and to restrict other communications.

**Environment**: In Corporate office architecture with highly reliable & secured network including) Palo Alto 5020, 5060, Infoblox, Juniper SRX and MX 960, 480 routers, QFX 10k, 5100, BGP.

**Network Security Engineer July 2015 – Oct 2016**

**ATOS East Princeton, NJ**

* Implementing and troubleshooting firewall rules in Checkpoint R77.20 Gaia, Cisco ASA 5540, 5580 Implementing and troubleshooting firewall rules in Juniper SRX 5400, 550, 5600 Checkpoint R77.20 Gaia and VSX as per the business requirements
* Worked on Juniper SRX Versions 300, 3400, 3600, 220 implementing new and additional rules on the existing firewalls for a server refresh project
* Upgrade of Juniper firewalls and management servers from SRX 110 to SRX 5400
* Established IPSec VPN tunnels between branch offices and headquarter using Juniper SRX Firewall
* Responsible for all Juniper SRX firewalls consisting of SRX 3560, 1400, 550. Using CLI and/or Junos Space Security Director for management. Install, upgrade, troubleshoot, design, etc.
* Installation and maintenance of Cisco Layer 3 switches 3750, 4500X, 6500 and Cisco 3550/4500/6500 switches in multi VLAN environment.
* Design, Implement & troubleshooting of Juniper switches, routers and Firewalls EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210, SRX240, SRX3600/650.
* Additional responsibilities in managing Infoblox IPAM, DNS, DHCP logical networking.
* DNS platform conversion: Infoblox conversion from UNIX Servers running ISC BIND & DHCP.
* Configured and designed Access layer switches such as Cisco 4510, 4948, 4507 switches.
* Expertise in the administration, support and operation of the Orion SolarWinds platform including Network Performance Monitoring (NPM), Network Configuration Manager, Server & Application Monitor (SAM), NetFlow, Traffic analyzer and IP address Manager.
* Responsible for Check Point, Cisco ASA and Palo-Alto firewalls configuration and administration across global networks for providing IPS/IDSinclulding URL filtering.
* Upgrade of Juniper firewalls and management servers from SRX 3750 to SRX 6509.
* Implementing security Solutions, reporting and tuning usingPaloAlto Pa-5000/3000, Cisco ASA, Checkpoint firewalls R75, R77.20 Gaia and Provider-1/MDM.
* Installing, Configuring and troubleshooting Cisco Routers (ASR1002X, 3945,3845, 2800, 3600) and switches to perform functions at Access, Distribution and Core layers.
* Created Python Scripts to automate various tasks consisting of an SSH control channel and a separate SCP channel to transfer files in Cisco IOS.
* Implemented Cisco ISE for delivering consistent, highly secure access control across wired and wireless multivendor networks and remote VPN connections.
* Configured Cisco ISE and cascaded policies across wired, wireless, and VPN connections.
* Used Bluecoat Proxy SG Appliances to effectively secure Web communications and accelerate delivery of business applications.
* Adding Websites to blocked list on the bluecoat proxies based upon business requirements.
* Provide support and for 2Tier and 3Tier firewall architecture, which includes various Checkpoint, Cisco ASA firewalls and Palo-Alto firewalls.
* Configuration of Checkpoint R77.30 series firewalls and implementation for outbound traffic via blue coat proxy server.
* Extensive implementation of firewall rules on Juniper SRX 3600, SRX 650 and SRX 220 on a daily basis, using SPACE as well as CLI when needed.
* Worked with level-2 team on migration project of CMA's from one Provider-1 to other Provider-1.
* Troubleshooting and Configuration of Cisco ASA 5580, 5540, fwsm, firewalls for all the agencies connecting to Citynet.
* Worked on changing global objects and global rules to local objects and local rules for migration project.

**Environment**: In Corporate office architecture with highly reliable & secured network including) Palo Alto 5020, 5060,Infoblox, Checkpoint 41K and 61 K series,Routing Protocols (EIGRP, RIP, OSPF, BGP), Juniper SRX, Juniper EX, SRX3750, 3550, 3560, 2924, 1400, 6509-V-E, 6513, 6504, 6503, 6506, 6500 series switches, Switching protocols (VTP, STP, GLBP).

**Network and Security Engineer Jan 2015 – June 2015**

**Corning Inc., Corning, NY**

* Responsible for installation, troubleshooting of firewalls (Cisco firewalls, Checkpoint R70.50-75.50 firewalls) and related software, and LAN/WAN protocols.
* Supported Tomcat server clustering, load balancing, failover and performance tuning
* Configuration, Troubleshooting, reporting, tuning and Maintenance of Palo Alto Firewalls (160+ firewalls) - PA200, PA2000 series, PA3000 series, PA4000 series and PA5000 series.
* Provided proactive threat defense with JUNIPER SRX that stops attacks before they spread through the network.
* Worked on Python Scapy for providing automated security to the networks and analysing traffic.
* Building configurations for Juniper MX 2010 and MX 2020 routers with features like port security, VLANS, VTP, PVST+.
* Reengineered the LAN to provide more reliable services and to reduce the latency, analyzed the NT domain in the Austin office to determine all the problems
* Configured and maintained the networks consisting of Cisco 2800 and 3800 routers, and catalyst 2950, 3560, and 3750 switches.
* Guided a team of 15 junior Network Engineers for deployment of Cisco LAN/WAN/WLAN infrastructure.
* Provided support for server, Network and Unified Communication services with ASCOM Handsets.
* Configuration of Juniper SRX series firewalls for outbound traffic via blue coat proxy server.
* Worked on Palo Alto PA-3000 Series to manage network traffic flows using dedicated processing and memory for networking, security, threat prevention and management
* Created subnets (on these switches) from the given Class B and Class C addresses to support the VLANs.
* Responsible for developing and deploying SolarWinds which includes WAN/LAN and server monitoring, reporting, and alerting and Configure Orion alerts.
* Implemented inter-VLAN routing (on Juniper EX 3300 and EX 3400 switches) among the VLANs to allow communication on larger internetworks.
* Implemented extended ACLs on Juniper SRX and 3750 to allow communication between the required networks, and to restrict other communications.
* Monitored system logs and root's email for important messages such as errors and warnings or hardware failure errors
* Used the Wireshark and other traffic analyzers to troubleshoot network issues.
* Implemented various routing protocols such as RIP, EIGRP, and OSPF on Juniper MX routers; also taking care of issues such as discontinuous networks.
* Configured route redistribution on 3800 routers to exchange routes from RIP to IGRP domains, and vice versa.
* Created Python scripts forperforming Network Architecture &DesignCAN, Network Assessment CID, using Network Automation tools pytest and nose.
* Second-tier technical support for production servers and workstations, problem determination and resolution with vendor contact/interface for production technical support
* Managed disk file systems, server performance, users creation and granting file access permissions
* Recreating customer environments, as necessary, for troubleshooting and resolution of complex issues.
* Troubleshot connectivity issues in layer 2 and layer 3 networks. Configuring buffer and console logs, and enable debugs for troubleshooting.
* Performing the testing on the new hardware platforms bought as per the network requirements.
* Performed the network designs and devices with new features, devices, and technologies for migrating to the latest technologies.
* Implemented the Spanning Tree Protocol optional features such as BPDU Guard and Root Guard etc. as required on the network.
* Installed and enabled the Syslog servers to collect alerts and logs for proactive network monitoring.
* Configuring failover for redundancy purposes for the security devices. Implemented the stateful& serial failover for PIX/ASA firewalls, Checkpoint Clustering and load balancing features.

**Environment:** Checkpoint R77.30, Juniper Routers- E, J, M and T- Series; Juniper EX SwitchesEX8200, EX4500, EX4200, EX3200, EX2500, EX2200 Series T1 Controllers, DS3 Lines (T3 Lines), Palo Alto (PA-4000/PA-2000)Fiber and Ethernet cabling.

**Network Engineer Aug 2014 – Dec 2014**

**HD Vest, TX**

* Provide initial fault isolation, proactive maintenance and monitoring of Company’s Network Equipment. Perform monitoring and support of internal network security.
* Provide support to internal users and external clients on various hardware and software issues.
* Implemented rules on Juniper SRX 550 at the server farm.
* Worked intensively on IMACD devices.
* URL filtering,Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls (160+ firewalls) - PA200, PA2000 series, PA3000 series, PA4000 series and PA5000 series.
* Provided firewall policy configuration and services with Juniper SRX 240 & 650 service gateways
* Understanding the JUNOS platform and worked with JUNOS upgrade of Juniper devices.
* Installation & Configuring of Cisco 6500, 4500, 2800, 1800 and 1700 series router
* Configure and troubleshoot VLAN, VPN, VTP, STP and Trunks.
* Installed and configured DNS, DHCP Client/Server.
* Worked on Extensively on Cisco Firewalls, Cisco ASA 5500(5510/5540) Series,
* Troubleshoot traffic passing managed firewalls via logs and packet captures
* Projects on Network design, Installation, troubleshooting and suggesting them suitable backup system.
* Worked on Juniper J series j230, M 320 routers and EX 3200 series switch.
* Building configurations for Juniper EX 3300 and EX 4200 switches with features like port security, VLANS, VTP, PVST+.
* Managed the F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs
* Configuring various advanced features (Profiles, monitors, Redundancy, SSL Termination, Persistence, SNATs, HA on F5 BIGIP appliances SSL termination and initiation, Persistence, Digital Certificates, Executed various migration/upgrade projects across F5 and hands on with F5 BIGIP LTMs/EM.
* Worked on physical and virtual networks to provide functionality on additional layers on VMware NSX.
* Monitoring servers like domain controllers, exchange servers and connectivity.
* Managed network connectivity and network SSL Security, between Head offices and Branch office
* Responsible for Internal and external accounts and, managing LAN/WAN and checking for SSL Security Settings of the networking devices (Cisco Router, switches) co-coordinating with the system/Network administrator during any major changes and implementation
* Troubleshooting problems pertaining to Performance Tuning, Network Administration and Application Conflicts.
* Troubleshoot on security related issues on JUNIPER SRX/PIX, Checkpoint and IDS/IPS.

**Environment:** Router series (2800, 3800, 7200) and switch series (3750, 3550, 4509E ,6509E), SRX 550 firewall, Palo Alto (PA-4000/PA-2000), Juniper EX, Routing Protocols (EIGRP, OSPF, BGP), Switching protocols (VTP, STP), Site to Site VPN, Remote Access VPN

**Network Support Executive May 2012 – July 2014**

**Lamar Solutions, India**

* Responsible for installation Configuration of Server Windows server Operating System 2008R2
* Provided value added customer services by attending to customer queries and issues
* Analyzed the performance of the Linux system to identify memory, disk I/O and network problem
* Monitoring the servers via IP monitor
* Added User accounts, maintained security
* Handling server Check List
* Systems and Server Level Support
* Responsible for planning and Execution of system Backup and recovery
* Monitoring all the clients globally and solving the problem raised by IMS
* Responsible for providing online support to other offices, remote installation at their ends through VNC, Remote admin and terminal Services
* Handling server Check List.
* Implemented VTP and Trunking protocols (802.1q and ISL) on 3560, 3750 and 4500 series Cisco Catalyst switches.
* Support and administer the network infrastructure for including deployment of new equipment and services to handle increased customer demand.
* Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
* Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair.
* Responsible for equipment in support of voice services, CATV, and voice/data integration.
* Develop and enforce best practice standards for installation and deployment of access layer hardware.
* Interact and manage outside contractors in support of wiring infrastructure.
* Developed automation process using K-shell for WLS install, upgrade patches, deployment, monitor, tuning and configuration of Apache application server in multi cluster server environment
* Managed all network deployments and equipment in a mission critical and high availability environment
* Installed, configured and maintain with the latest updates on the 3700, 3800, 7200 and 7600 Cisco Routers and 2960, 3750, 3560, 6500 Switches.
* Perform the task of providing 24\*7 supports in maintenance and repairing of systems.
* Experience with communications traffic analysis, network management systems interpretation of systems events.
* Verifying test results are complete and MAC addresses and Serial Numbers are complete and match.
* Maintaining site information integrity using smart sheet and other software.
* Ensuring the availability of site information.
* Maintaining a flexible schedule to ensure any possible situation can be addressed quickly if needed.
* Working with other teams to ensure the overall goal of the company is maintained.

**Environmen**t: Router 1800, 2600, 800; Switch 2960, 3550; Cat5 & Cat 6 Cabling Infrastructure; ZoneVAXIN - Traffic Anomaly Engine.

**Education:**

**New York University Tandon School of Engineering, Brooklyn, NY, USA May 2016**

**Master of Science, Computer Engineering**

**Gujarat Technological University, Gandhinagar, India June 2012**

**Bachelor in Engineering, Electronics and Communications Engineering**

**References**

References are available on requests