**Priyanka Ghandla**

**Sr. Network Engineer**

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**657-445-9895**

**Summary:**

* **7 years** of experience in networking, installing, configuring and maintaining network devices.
* Hands on experience in configuring Cisco Catalyst 2**960, 3750, 4500, 6500 and Nexus 3000, 5000, 6000, 7000** series switches and Cisco **2600, 2800, 3600, 3800, 7200, 7600** series routers.
* Implementing IP addressing schemes, LAN/WAN protocols, IP Services, to meet network requirements in different environments.
* Expertise in Configuration of Virtual Local Area Networks (**VLANS**) using Cisco routers and multi-layer Switches and supporting **STP, RSTP, PVST, RPVST** along with trouble shooting of inter-VLAN routing and VLAN Trunking using 802.1Q.
* Implemented redundancy with **HSRP, VRRP, GLBP, Ether channel technology (LACP, PAgP).**
* Proficiently implemented traffic filters using **Standard and Extended access-lists, Distribute-Lists, Route Maps** and route manipulation using **Offset-list**.
* Hands on experience in deployment of **GRE tunneling, SSL, Site-Site IPSEC VPN** and **DMVPN.**
* Extensively worked on Cisco catalyst **6509** and implemented **VSS** along with **VDC** and **VPC** on Nexus **5505**, **7009** switches.
* Comprehensive expertise in the implementation of optimization, analysis, troubleshooting and documentation of **LAN/WAN** networking systems.
* Working knowledge on configuring access lists. Troubleshooting DNS/DHCP issues within the LAN network.
* Expertise in IP subnetting and worked on various designing and allocating various classes of IP address to the domain
* Extensive hands-on experience in working with complex routed LAN and WAN networks, and preparing technical documentation.
* Involved in troubleshooting network traffic and its diagnosis using tools like ping, traceroute, WireShark, TCP dump and Linux operating system servers.
* Sound knowledge of Routing and Switching concepts and MPLS design.
* Managed inventory of all network hardware, Management and Monitoring by use of **SSH, Syslog, SNMP, NTP**.
* Expertise in OSI layer model/TCP/IP.
* Extensive knowledge and experience of routing and switching protocols RIP, OSPF**,** EIGRP, BGP and VLAN.
* Good Knowledge in troubleshooting issues on NAT**.**
* In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM and ARP, reverse & proxy ARP, Ping Concepts.
* Proficient in Cisco IOS for configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS
* Worked extensively in 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 configuring Virtual Device Context in Nexus 7010
* In-depth knowledge and hands-on experience in Tier II ISP Routing Policies, Network Architecture, IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS, FT1 / T1 / FT3 / T3 Sonet POS OCX / GigE circuits, Firewalls.
* Primary responsibility is to design and deploy various network security & High Availability products like Cisco ASA other security products
* Responsible for Check Point and Cisco ASA firewall administration across global networks.
* Experience in Palo Alto design and installation (Application and URL filtering, Threat Prevention, Data Filtering)
* Responsible for service request tickets generated by the helpdesk in all phases such as troubleshooting, maintenance, upgrades, patches and fixes with all around technical support.
* Worked on ASR 1000 series routers.

**Certification:**

* Cisco Certified Network Associate (CCNA)
* Cisco Certified Network Professional (CCNP)

**Education**

* Bachelor of Technology (Electronics & Communications), Jawaharlal Nehru Technological University.**2006 – 2009.**

**Technical Skills:**

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| **Cisco Routers** | 2600, 2900, 3600, 3800, 7200 and 7600 |
| **Cisco L2 & L3 Switches** | 2900, 3560, 3750, 4500, 4900, 6500, Nexus 5K/7K |
| **LAN Technologies** | Ethernet, Fast Ethernet, and Gigabit Ethernet, SMTP, VLAN, Inter-VLAN Routing, VTP, STP, RSTP, Light weight access point, WLC. |
| **WAN Technologies** | Leased lines 128k - 155Mb (PPP / HDLC), Fiber Optic Circuits, Frame Relay,  ISDN, Channelized links (T1/DS3/OC3/OC12), Load Balancing. |
| **Network Security** | Cisco ASA, ACL, IPSEC, Juniper SRX. |
| **OS products/Services** | DNS, DHCP, Windows (2000/2003/2008, XP), UNIX, LINUX. |
| **Routing Protocols** | MPLS, OSPF, EIGRP, BGP, RIP-2, PBR, IS-IS, Route Filtering, Redistribution,  Summarization, Static Routing |
| **Gateway Load Balancing** | HSRP, VRRP, GLBP |
| **Various Features / Services** | IOS and Features, HSRP, GLBP, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP,TFTP  and FTP Management |
| **Network Management Tools** | Wireshark, Netflow Analyzer, Cisco Works, Ethereal, SNMP, HP open view, Ethereal. |
| **Security Server Protocols** | TACACS+, RADIUS­­­ |
| **Facilities** | DS0, DS1, DS3, OCX, T1/T3 |
| **Load Balancers** | Cisco CSM, F5 Networks (Big-IP) LTM 8900, Cisco ACE 4710. |
| **Operating Systems** | Windows (98, ME, 2000, XP, Server 2003/2008, Vista, Windows 7), Linux |
| **Firewall & Security** | Checkpoint, Cisco ASA, Palo Alto |
| **Areas of Expertise** | Client support, On-going monitoring, Capacity planning, Consulting skills, Cisco support, User acceptance testing, Network build out, WAN monitoring, Maintaining architecture, Netflow analysis, Vendor management, End to end troubleshooting, python. |

**PROFESSIONAL EXPERIENCE:**

**Sabre Holdings, Southlake, TX Jan 16 - Present**

**Sr. Network Security Engineer**

**Responsibilities:**

* Provides consulting and level 2 / 3 operational support for Process Control networks and Security technologies.
* Monitors security and event management infrastructure systems; correlate, review, rank, and coordinate work efforts for sites to follow up on high-priority events.
* Responsible for investigating and troubleshooting incidents related to **Cyber Security** or **Network Security.**
* Assists with the development and content of team’s central **SharePoint** site to support standardization and procedure development.
* Develops and shares best practices with the other support teams.
* Provide administration and support for **firewalls**.
* Provide administration and support for network **switches and routers**.
* Participates and or leads risk assessments and compliance evaluations of new technologies.
* Provide subject matter Expertise in the area of network switches, routers, firewall, and security technologies within TASC.
* Responsible for network hardware like cisco routers and switches and software upgrades and installations and any related infrastructure within TASC.
* Handle Incident tickets related to the issues in the firewall along with the connectivity issues and provide prompt support when any issue pops up.
* Responsible for troubleshooting network, **VPN and firewall problems**, specifically Palo Alto and perform other duties as assigned.
* Responsible for the Panorama firewall management tool to administer **Palo Alto firewalls**.
* Implemented Zone Based Firewalling and Security Rules on the **Palo Alto** Firewall.
* Configuring **Policies and interfaces** on Palo Alto Firewall.
* Configuring rules and Maintaining Palo Alto Firewall & analysis of firewall logs.
* Responsible for migrating **Cisco ASA** firewall to **Palo Alto firewall**.
* Analyze traffic behaviors to great extent with packet capture tools like **Wireshark** and find out the issues and solve it.

**Genco, Forthworth, TX Nov 13 – Dec 15**

**Network Engineer**

**Responsibilities:**

* Installing, Configuring and troubleshooting Cisco Routers (**ASR1002X, 3945, 3845, 2800, 3600**) and Switches to perform functions at the Access, Distribution, and Core layers.
* Configuring, upgrading and deployment of **Nexus 7010, 5596** and **2248**.
* Designing, implementing LAN/WAN configurations on Cisco Nexus 5K, catalyst 6500 switches
* Configuring and resolving various OSPF issues in an OSPF multi area environment.
* Implemented, configured BGP WAN routing, converting OSPF routes to BGP (OSPF in local routing).
* Expertise in maintenance of layer2 switching tasks - **VLAN, VTP, RSTP,** configuration of **ether channel** with **LACP and PAGP** along with troubleshooting of **inter-VLAN** routing.
* Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems
* Implementing, configuring, and troubleshooting various routing protocols - EIGRP, OSPF, and BGP.
* Performing network monitoring, providing analysis using various tools like Wireshark, Solar winds etc.
* Experience working in Datacenter environment, configuration changes as per the needs of company.
* Manage project task to migrate from Cisco ASA firewalls to Check Point firewalls
* Redesigned Internet connectivity infrastructure for meeting bandwidth requirements.
* Configuring, implementing and troubleshooting VLAN’s, VTP, STP, Trunking, Ether channels.
* Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design.
* Experience in configuring, upgrading and verifying the NX-OS operation system.
* Configured and managed Cisco access layer routers and switches
* Provided support for troubleshooting and resolving customer reported issues
* 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.
* Configured and managed OSPF redistribution and authentication with type 3 LSA filtering and to prevent LSA flooding and also configured OSPF over frame relay networks.
* Designing, configuring, implementing and troubleshooting (LAN) VLAN’s, VTP, Spanning Tree (STP), Trunking (dot1q and ISL) and Ether channel.
* Experience with converting Checkpoint VPN rules over to the Cisco ASA solution. Migration with Cisco ASA VPN experience.
* Configured and maintained IPSEC and SSL VPN’s on Palo Alto firewalls.
* Implemented site-to-site VPN in Juniper SRX as per customer.
* Implemented various EX, SRX & J series Juniper devices.
* Implementing and managing traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
* Configuring HSRP for network redundancy and High availability.
* Involved in designing of LAN (Ethernet) and WAN infrastructure for the new Data Centre Using MS Visio.
* Configuring VPN for site-site and remote access.
* Designing and configuring IP address schemes.
* Maintaining Cisco hardware and Cisco IOS upgrade.
* Configured Cisco 1231 Access points with 5959 and 4941 antennas (802.11/a/g).
* Designing, configuring, implementing and troubleshooting (LAN) VLAN’s, VTP, Spanning Tree (STP), Trunking (dot1q and ISL) and Ether channel.

**Genentech, San Francisco, CA Oct 11 – Oct 13**

**Network Engineer**

**Responsibilities:**

* Configured IP RIP, PPP, BGP and OSPF routing.
* Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies. Cisco CLI, Ciscoworks, Network Security, Network Analysis Tools
* Experience with Checkpoint Firewall policy provisioning.
* Identify, design and implement flexible, responsive, and secure technology services.
* Experience with Firewall Administration, Rule Analysis, Rule Modification.
* Troubleshoot traffic passing managed firewalls via logs and packet captures.
* Configured and resolved various OSPF issues in an OSPF multi area environment.
* Worked with telecom vendors in regards to network fault isolation.
* Hands-on experience with WAN (ATM/Frame Relay), Routers, Switches, TCP/IP, Routing Protocols (BGP/OSPF), and IP addressing.
* Installed different software on the systems. Install and managing network devices including Hubs, Switches.
* Layer 2 switching technology architecture, implementation and operations including L2 and L3 switching and related functionality. This includes the use of VLANS, STP, VTP and their functions as they relate to networking infrastructure requirements including internal and external treatment, configuration and security.
* Configuration and troubleshooting of Cisco catalyst 6509, 7613 with supervisor cards.
* Estimated Project costs and created documentation for project funding approvals.
* Managed various teams involved in site surveys, cabling specifications, Network equipment installation and configuration.
* Planned resources and presented project status to higher management.
* Deployed 7613 as PE and CE router and configured and troubleshooted the Edge Routers.
* Excellent troubleshooting knowledge on T1, T3, OC-3 and OC-12.
* Created and delivered internal trainings for BGP.
* Configured egress and ingress queues for ISP facing routers using CBWFQ.
* Generating RCA (Root Cause Analysis) for critical issues of layer1/layer2/layer3 problems.
* Ability to analyze, configure and troubleshoot networks.
* Designed and implemented Cisco VoIP infrastructure for a large enterprise and multi-unit office environment. Met aggressive schedule to ensure a Multi-office reconfiguration project which was successfully delivered
* Responsible for service request tickets generated by the helpdesk in all phases such as troubleshooting, maintenance, upgrades, patches and fixes with all around technical support
* Supporting EIGRP and BGP based PwC network by resolving level 2 &3 problems of internal teams & external customers of all locations

[**CMC Limited**](https://en.wikipedia.org/wiki/CMC_Limited)**, INDIA Aug 09 – Sep 11**

**Network Engineer**

**Responsibilities:**

* Experience in Cisco 7200, 7600 routers, Cisco 2800 3700 series switches: Physical cabling, IP addressing, Wide Area Network configurations (Frame-relay and ATM).
* Performed troubleshooting, while maintaining trouble ticket tracking, following internal/external escalation procedures and customer notifications. Configured Cisco Routers for OSPF, RIP, IGRP RIPv2, EIGRP, Static and default route.
* Configured the Cisco router as IP Firewall and for NATting.
* Worked with the Help Desk for circuit troubleshooting to give Support to the Tech persons at the site.
* Configuring routers and sending it to Technical Consultants for new site activations and giving online support at the time of activation.
* Supporting Development team for the access to corporate network and outside world. Providing access to specific IP, Port filter and port access.
* Switching (Ethernet) related tasks included implementing VLANS and configuring ISL trunk on Fast-Ethernet channel between switches.
* Installed and configured PIX 520, 525, 535 series firewalls, configured standard and extended access-lists and policy- based filters.
* Configured ASA 5510 appliance and VPN.
* Responsible for implementing Qos prioritizing voice traffic over a data.
* Implemented SNMP on Cisco routes to allow for network management. Completed the installation and configuration of T1, T3 & OC3 circuits.
* Troubleshoot escalated issues to identify and repair network issues for WAN, WAN, voice,Voice , Video, Internet connections and end-user issues.