Miral Patel

Sr. Network Engineer

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**Summary:**

* 8 years of experience in networking, installing, configuring and maintaining network devices.
* Implementing IP addressing schemes, **Routing, Switching and Firewall Security**, including hands-on experience in providing network support, installation and analysis for a broad range of **LAN /WAN/MAN** communication systems.
* Experience working with 2600, 2900, 3600, 3800,3900, 7200, 7600 series Cisco Routers
* Proficient in configuring Cisco Catalyst 2900,2960, 3560, 3750, 4500, 4900, 6500 series and **Nexus** 2248, 5548 and 7010 switches.
* Extensively worked on Cisco catalyst **6509** and implemented **VSS** along with **VDC** and **VPC** on Nexus **5505**, **7009** switches.
* 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.
* 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.
* Hands on IMAC (Install, Move, Add and Change) Service.
* Experienced with Threat prevention for firewalls **(IPS, Anti-bot, Anti-spam, Anti-virus, DLP)**
* Implemented redundancy with **HSRP, VRRP, GLBP, Ether channel technology (LACP, PAgP)** etc.
* Configuring **BGP/OSPF** routing policies and designs, worked on implementation strategies for the expansion of the MPLS VPN networks.
* 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.**
* 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 v1 & v2, OSPF, EIGRP, BGP, NAT and VLAN.**
* Have knowledge on various advanced technologies like **VOIP, H.323, SIP, QOS, IPv6, Multicasting, and MPLS**.
* Strong knowledge **of TACACS+, RADIUS** implementation in Access Control Network.
* Experience in Designing and assisting in deploying enterprise wide **Network Security** and High Availability Solutions for ASA.
* Experience with convert **CheckpointVPN** rules over to the Cisco ASA solution. Migration with both **Checkpoint** and **Cisco ASAVPN** experience.
* Experience in designing **MPLS** VPN and QoS for architecture using Cisco multi-layer switches.
* Expertise in installing, configuring and troubleshooting **Juniper EX Switches** (EX2200, EX2500, EX3200, EX4200, EX4500, EX8200) series.
* Expertise in installing, configuring and troubleshooting Juniper Routers ( E,J,M and T-series)
* Implementing security policies using **Cryptography, ACL, SDM, PIX Firewall, IPsec, VPN, and AAA Security** on different series of routers.
* Strong hands on experience on **PIX Firewalls, ASA (5540/5550) Firewalls**. Implemented Security Policies using **ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS).**
* Efficient at use of **Microsoft VISIO/Office** as technical documentation and presentation tools.
* Having knowledge on **python, Shell or Perl**.

**Technical Summary**:

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| --- | --- |
| **Routers:** | Cisco 7600, 7200, 3800, 3600, 2900, 2800, 2600,1800,1700 |
| **Routing:** | OSPF, EIGRP, BGP, RIP v1/v2, PBR, Route Filtering, Redistribution, Summarization, and Static Routing. |
| **Switches:** | Nexus 2K/5K/7K, Cisco Catalyst 2900, 3500 ,3700,6500, 4500, 3850,3560, 3750, 2960 |
| **Switching:** | LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Etherchannels, Transparent Bridging. |
| **Network Security:** | Cisco ASA 5540, ACL, IPSEC, Checkpoint |
| **Load Balancer:** | F5 Networks (Big-IP) LTM 8900 and 6400. |
| **LAN:** | Ethernet (IEEE 802.3), Fast Ethernet, Gigabit Ethernet |
| **WAN:** | PPP, HDLC, Channelized links (T1/T3), Fiber Optic Circuits, Frame Relay, VOIP |
| **Gateway Redundancy:** | HSRP and GLBP |
| **WAN Optimizer** | Riverbed Steelhead Appliance |
| **DHCP and DNS** | Info blox |
| **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, Solarwinds |

**Work Experience**

**First national bank, Christiansburg, VA Oct 2014 - Till date**

**SR. Network Eng. (Level IV)**

**Responsibilities:**

* Managing and configuring Cisco Switches and Routers independently.
* Responsible for the planning, design, implementation, organization and operation of **Palo Alto Firewalls** based perimeter security network and network security devices including but not limited to 7000, 5000 and 3000 series FW’s. The job also involves simultaneously working on the successful engineering, testing and deployment of multiple projects.
* Experienced with **ibgp** and **ebgp** over MPLS environment with OSPF protocol.
* Responsible for troubleshooting network and firewall problems, specifically **Palo Alto and Cisco ASA’s.**
* Fiber Optics installation and termination. Data/Phone cable installation and termination. Ground-up deployment of **wireless access points, CCTV security systems and their DVRs, networked access control, and MDF/IDF build outs.**
* **Experienced with MERU, ARUBA, CISCO, MERAKI wireless devices.**
* **Data/Phone cable installation and termination, includingCat6e, Cat5, and Cat3. MDF/IDF build outs.**
* Configured **IP, EIGRP and OSPF** in routers. Configured and installed multi-protocol (IP, IPX) multi-interface Cisco routers.
* Lead a team to upgrade firmware, configure and install HP ProCurve Switches and install single mode fiber for Virginia. of **Corrections and Rehabilitation (CDCR) for the SOMS/CITIP** project at several State Institutions with 7 members of team.
* Worked as team leader to Coordinates network schedule, backups, and downtime to users. Monitor and maintain network stability.
* WiFi Protocol testing development using industry leading WiFi chipsets.
* Experienced withF5 BigIPBigIP 1500, 3400, 6400 8900 LTM, GTM 5, F5 Networks BigIP Load Balancer, HP Procurves, 3COM managed switches, Quantum backup chassis, Tumbleweed antispam, Barracuda Antispam, F5 3DNS Load balancer GTM
* Recommending, Provisioning, configuration, migrations, upgrades of F5 BigIP LTM 3400, 6400, 8900 running v4.x to 10.2.x, Active/Standby, F5 4000 Enterprise Manager, advanced big pipe and TMSH command line experience (preferred over gui)
* Troubleshooting application issues via HTTP traces, HTTPWATCH, routes, DNS, SNAT, TIME\_WAIT, TCP 3-Way Handshake, ephemeral port collisions -(port exhaustion) asynchronous routing, member nodes with different networks and gateways that are not the F5 self IPs.
* Future Provisioning of F5 GTM's for Data Centers.
* BigIP F5 Load balancers (cluster) DMZ.
* Certificate Upgradation, Load balancing through **Citrix NetScaler**.
* Configuration and Monitoring of **Citrix NetScaler** (Both MPX and VPX)
* Planning and Implementation of **Citrix environmental Changes**.
* RCA of **Sev 1 and Sev 2 incidents**
* Working on Work Orders (Project Work).
* Technology Support on **Citrix Provisioning Servers, Citrix EdgeSight& Citrix Storefront**.
* Deployed F5 Edge Gateways for SSL remote Access load balancing and integration with RSA SecurID. Created templates, SSL profiles, Access profiles, Network Access ACL’s.
* Rebuilding data centers and redundant sites for failover, F5 load balancers
* Assisted speakers (including the CEO, CIO and president) in setting up their presentations.
* Solely responsible for the support of videoconferences utilizing Telepresence Management Suite and web interfaces of the Crestron touch panels and endpoint web interfaces
* Monitored videoconference calls and patient record files per HIPPA Regulations for the entire hospital system
* Monitored the VCS control and expressway clusters
* Monitored the MPS and MCU bridges daily
* Maintained schedules in Telepresence Management Suite
* Maintained Jabber accounts through Telepresence Management Suite and Active Directory
* Scheduled preventative maintenance for integrated rooms
* Created and submitted usage reports for the Telepresence Management Suite
* Edited and maintained recordings on the Telepresence Content Servers
* Lead training efforts of techs in basic videoconference support and hospital employees in equipment usage
* Tested video calls to outside parties
* Experience in with Virtualization technologies like installing, configuring, VMware vSphere. Creation, management, administration and maintenance of virtual servers and clients.
* Experience inP2V, V2V MIGRATION using VMware Converter / Plate Spin 6.8.x. Creating host and clientVM templatesandcloning.
* **VMware** : VMware Vsphere 3.5/4.1/5.0, Workstation 6/7, ESX Server 3.5, VMware DRS, HA and FT, VMware Standalone Converter 3.0, VMware Update Manager 1, VMware Virtual Desktop Infrastructure VDI, VMware View.
* **Backup Solutions** : VMware VCB
* **Desktop Application** : Microsoft Office 2003/2007, Outlook 2003/2007, Star Office,
* **Palo Alto Networks platforms**, including utilization of Border Gateway Protocol (BGP), Open Shortest Path First (OSPF),
* **Palo Alto PAN**-200s and 500s
* Juniper JunOS and ScreenOS SRX/SSG firewalls and EX series switches
* Cisco ISR and ISRG2 routers
* Created, deployed and managed BigIP F5 load balancer nodes and pools
* Managed 10+ BigIP F5 clusters
* Migrated, created, and managed pools and clusters in F5 BigIP GTM 3DNS load balancers across multiple Datacenters.
* F5 Big- IP LTM-6400 load balancers, all Clustered, 3DNS GTM Balancers, Active and Secondary Datacenter's, working with IIS 6 and up for migration
* Configured with F5 Load balancers in Failover for Load balancing and SSL handling.
* Designed and Implemented Virtual Server Farm for Web site load balancing with F5 Networks Load Balancer in DMZ architecture.
* Good knowledge in WMM power save(UAPSD) and WPS (WiFi Protected Setup).
* Experienced with large enterprise networking, diverse security infrastructure and in-depth knowledge of current network hardware and protocols. In addition, **extensive experience with Palo Alto firewall equipment and the Palo Alto XML API interface.** Experience with traffic shaping and traffic queues is desirable and **experience with Palo Alto Panorama is a plus.**
* Firewall: Cisco ASA 5520, PIX 515, FWSM, Cisco VPN Concentrator 3030, Juniper Netscreen 204firewall, Security: Cisco ACS 4.0, Radius/Tacacs+, McAfee IPS 2600 and McAfee Secure Web Gateway 3300, RSA SecureID, Tufin Secure Track.
* Hands on experience with troubleshooting and configuring terminal servers. Providing Technical Support and solutions for Network Problems.
* Monitoring network access rules usage on Tufin Secure Track and orchestration.
* Configuring orchestration,Tufin and network devices for monitoring network rules.
* Creating and managing user accounts to all team members in partner environment.
* Experience in Cisco switches and routers**: IP addressing, WAN** configurations.
* Hands on using crimp tools, punch down tools to punch cables to the 110 data/voice blocks.
* Communicating and escalating tickets with service providers for **network outage** issues.
* Monitoring Network infrastructure using **SNMP** tools HP NNM, **Solar-winds** and **Opnet**.
* Coordinating with Security team for **NAT** configuration and troubleshooting issues related to access lists and **DNS/DHCP** issues within the **LAN** network.
* Escalation of procedures and customer notifications.
* Experience in troubleshooting **VLAN, STP** (Spanning tree protocol), & Switch Trunk and IP subnet issues.
* Worked on Physical site; latency and slowness issues in transmitting results within internal quest network.
* Implementation of Cisco 3750, 3850 switches and Cisco 3900 and ASR 1000s routers to new sites.
* Hands on experience with IMAC with the Cisco (2960) and brocade (2498) switches.
* Configured rules in the Intrusion Detection System (IPS) and Intrusion Prevention system (IPS) on Level 3 support, with resolving daily tickets raised by user for accessing internet through firewall. Used IDS as detection of unknown packets passing through the firewall (ASA firewall).
* Worked on firewall tickets with modification of RULES for ASA firewalls on ASDM stand as Global Land Project (GLP).
* Involved in complete **LAN, WAN, Extranet redesign** (including IP address planning, designing, installation, pre configuration of network equipment, testing, and maintenance) in both **Campus and Branch networks.**
* Experience working with **Nexus 7010, 5020, 2148, 2248 devices.**
* Experience with configuring **Nexus 2000 Fabric Extender (FEX)** which acts as a remote line card (module) for the **Nexus 5000**.
* 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.
* Project **implementer** and support for the ME region for any of this products: Cisco Routers, Cisco Switches, Cisco Content Engine; Bluecoat Proxy; Check point Firewall
* Experienced with **Checkpoint firewalls (GAIA) and centralized mgmt (MDSM)** firewall architecture with core and distribution layer.
* Design and configuring of **OSPF, BGP on Juniper Routers and SRX Firewalls.**
* Configuring **ASA Firewall** and accept/reject rules for network traffic.
* **Onsite Firewall Engineer** responsible for managing 14 Check Point Power-1 Firewall clusters and 4 Citrix NetScaler ADC clusters for a large organization. Primary responsibilities include managing, upgrading/migrating, troubleshooting, patching, and configuring firewall policies on Check Point Power-1 appliances and managing 2, Smart-1 50 **Multi-Domain Security Managers (MDSM).** Also responsible for configuring and managing Site-to-Site VPNs, NAT rules, and configuring routing on Cisco Catalyst 6509 switches and 13500/12400 Check point Power-1 Firewalls. Configures application firewall policies, profiles, and GSLB on Citrix (MPX10500 and MPX11500) NetScaler ADC (Application Firewalls) and administrator of AlgosecFireFlow/Firewall Analyzer.
* I also configured **Fortinet firewall.**
* Designing, implementing LAN/WAN configurations on Cisco 5K, catalyst 6500 switches.
* 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.
* Regional proxy configuration and optimization
* Administered and documented Data Protection health checks for NetWorker in mixed Data Domain, Tape and disk storage environments.
* Gave intensive support for NetWorker/Data Domain customer with severe capacity issues and assisted in remediation of associated backup issues.
* Administration and maintenance on SAN, Brocade switches and Black Box like (EMC Calriion, Celerra, SYMM VMAX, IBM DS series, HP EVA’s, DOTHILL (SANNET I, II, Neptune, Sapaton, Mercury products), XYRATEX storage frames.
* Administration and Troubleshooting on Brocade switches.
* Brocade Fabric Configuration and Management.
* Experience configuring and troubleshooting juniper **mx2020 router**.
* Experience configuring and troubleshooting **ptx3000 converged super core router (handle routing protocols, traffic engineering, policy, policing, monitoring and configuration management)**
* Experience configuring and troubleshooting with srx210, srx650 series services gateways (high performance security with advanced, integrated threat intelligence, delivered on most scalable network)
* Responsible for **Check Point and Cisco ASA firewall administration across global networks**.
* Remediation of firewall rules from **checkpoint firewalls to Cisco ASA firewalls** and their implementation.
* **Expertise in maintenance of layer2 switching tasks which advocateVLAN, VTP, STP, RSTP, PVST, RPVST,** configuring of **ether channel** with **LACP and PAGP** along with troubleshooting of **inter-VLAN** routing.
* Coordination with Vendors Like **EMC and Brocade**.
* Working knowledge of Brocade switches, Cisco Switches, Storage Tek, and copper Gigabit Ethernet network
* Provide Tier III Level Load Balancer expertise on **F5 BigIP** Local Traffic Managers (LTM). Designing F5 solutions/support for migration work of applications and websites from Cisco CSS Load Balancers to the F5 BigIP Load Balancers.
* Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems
* Performing network monitoring, providing analysis using various tools like **Wireshark, Solarwinds**etc.
* Determining customer requirements and designing VMware-based solutions architectures **spanning VMware’s product portfolio** from the**vCloud** Suite to the Horizon Suite to meet the functional and business requirements of a range clients of various sizes and across verticals.
* Mentoring and providing quality assurance oversight to professional services engineers during the course of technical engagements to ensure that **VMware solutions** were delivered in accordance with best practices and professionalism.
* Support Network Attached Storage Devices using NetApp FAS series utilizing Data ONTAP, EMC **Isilon**, Oracle ZFS, Hitachi Content Platform (HCP), Hitachi Data Ingestor (HDI)
* Developed **SQL Server Stored Procedures, Tuned SQL Queries( using Indexes and Execution Plan**)
* Configured QFX3500, QFX3500 standalone switches (configured 10 gbpssfp+ or 40 gbpsqsfp+ interface with virtual chasis ports)
* Experienced with Palo Alto PAN-200s and 500s
* Developed high-availability solutions through vendor interoperability of Juniper, Cisco, SonicWall, Fortinet, and Palo Alto Networks platforms, including utilization of Border Gateway Protocol (BGP), Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Internet Protocol Security (IPsec), Multiprotocol Label Switching (MPLS), and SOHO transports for reliable disaster recovery and Quality of Service (QoS).
* Organized network implementation focusing on router/switch configuration capacity planning and modernization.
* Served as the consulting engineer for large data migrations in 16 companies in Europe Asia and the US.
* Managed the testing deployment and configuration of WLC WCS and WiSM systems.
* Led a client-focused consultation group for Ethernet service improvements which resulted in development of three company-wide projects.
* Directed a team of IT professionals to re-design LAN/WAN configurations for web-based and service-based clients.
* Monitored wireless networks for efficiency and maintenance issues.
* Firewalls: Checkpoint, Cisco Firewall Service Module, Cisco PIX, Cisco ASA, Netscreen
* Security Management & Log Retention Management: Netscreen Security Manager, Enterasys Dragon Manager, Site Protector, ISS Internet Scanner Console, Cisco Works, Cisco Security Manager, IntruShield Manager, Cisco MARS, LogLogic, SkyBox.

Environment: Cisco 2948/3560/4500/3560/3750/3550/3500/2960/6509/6500 switches and Cisco 3640/12000/7200/3845/3600/2800 routers,Cisco Nexus 7K/5K, Cisco ASA 500,F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP, puppet, chef, ansible,ISG 2000, JunOS X480, Cisco CRS IPv6, CrossBeam Firewalls,IMPG

***Nationwide, Columbus, OH June 2013 - Sep 2014***

***SR. Network engineer***

**Responsibilities:**

* Involved in complete **LAN, WAN** development (including IP address planning, designing, installation, configuration, testing, maintenance etc.).
* Leading role of Maintain and document ongoing periodic maintenance activities for department systems. Implement and take lead role in ongoing infrastructure activities via project management and state guidelines including purchasing software, hardware and contracting through **CMAS** and other state agency ordering processes. Consult on **infrastructure configuration and implementation**.
* Implementation of Wireless access points, Cisco 3750, 3850 switches and Cisco 3900 and ASR 1000s routers to new sites.
* Involved in Switching Technology Administration including creating and managing VLANS’s, Port security, **Trunking, STP, Inter Vlanrouting, LAN security** etc.
* Configured **IP, EIGRP, RIP, BGP and OSPF** in routers. Configured and installed multi-protocol (IP, IPX) multi-interface Cisco routers.
* Experience working with Cisco **Nexus 2148** Fabric Extender and **Nexus 5000** series to provide a Flexible Access Solution for datacenter access architecture.
* Experience configuring Virtual Device Context in **Nexus 7010**
* Configuring **RIP, OSPF** and Static routing on **Juniper M and MX** series Routers
* Managed corporate **Checkpoint Firewall** management and operation and implementing security rules and mitigating network attacks.
* Working with Checkpoint Support for resolving escalated issues.
* Deployed **Site to Site** and **Client to Site VPNs**RAS VPNS utilizing Checkpoint Firewall-1/VPN-1.
* Provide Tier III Level Load Balancer expertise on **F5 BigIP** Local Traffic Managers (LTM). Designing F5 solutions/support for migration work of applications and websites from Cisco CSS Load Balancers to the F5 BigIP Load Balancers.
* Configuring **VLAN, Spanning tree, VSTP, SNMP** on EX series switches
* Once trouble ticket has been created keep customer informed of status of ticket and estimated time to repair.
* Experienced working on firewall rule changes in GLP.
* Coordinating with service providers for WAN link outages.
* Checking and configuring Cisco 7600 and 7200 routers at data center for remote sites’ issues.
* Working on Cisco 6509 and 4507 series switches for LAN requirements that include

Upgraded and updated Cisco IOS from 12.3T to 12.4. Used to DHCP to automatically assign reusable IP addresses to **DHCP** clients.

* Used **PIX Firewall** and **ACLs** for authentication of EIGRP to ensure high security on the network.
* Configure and implement remote access solution for customers: **IPSEC, Site2Site, GRE tunnel end-to-end**
* Configured Cisco 7200 routers which were also connected to Cisco PIX 535 security appliances providing perimeter based firewall security.
* Used load balancers ACE and load balancing technique with multiple components for efficient performance and to increase reliability through redundancy.
* Involved in migration from **Frame-Relay/ATM** network to MPLS-based VPN for customer’s WAN infrastructure.
* Used Network monitoring tools to ensure network connectivity and Protocol analysis tools to assess and pinpoint networking issues causing service disruption.
* Environment: Cisco routers 7200, IOS 12.4 & switches 3750, 4500, 6500; **RIP, OSPF, EIGRP, VLAN, DHCP, DNS, MPLS, ISDN, DSL, T1 Lines.**
* Optimized performance of the **WAN** network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
* Experience with configuring **Nexus 2000 Fabric Extender (FEX)** which acts as a remote line card (module) for the **Nexus 5000**.
* Extensive knowledge and troubleshooting in data communication protocols and standards including **TCP/IP, UDP, IEEE 802.3,** Token Ring, Cable Modem, PPPOE, ADSL, Multilayer Switching, DoD standards.
* Managed the **F5 BigIP GTM/LTM** appliances to include writing **iRules**, **SSL offload** and everyday task of creating **WIP** and **VIPs**.
* Other responsibilities included documentation and supporting other teams.

Environment: Cisco3750/3550/3500/2960switches and Cisco3640/12000/7200/3845/3600/2800routers,

Protocols: OSPF, BGP, VLAN, HSRP,

Network categories: LAN, MAN, NOC, WAN

Ip Addressing Techniques: IPV4

Firewall environment: ASAFirewall, Palo Alto Checkpoint,

Core switch Environment: Nexus 7K/5K/2K.

***MasterCard, St Louis, MO Dec 2011 - May 2013***

***Network Engineer***

**Responsibilities:**

* Implementation of analysis, optimization, troubleshooting and documentation of **LAN/WAN** networking systems.
* Configured and troubleshoot **OSPF** and **EIGRP**.
* Planning and configuring the routing protocols such as **OSPF, EIGRP, RIP**, and **Static Routing** on the routers.
* Tested authentication in **OSPF** and **BGP**.
* Troubleshoot traffic passing managed firewalls via logs and packet captures
* Configured and resolved various **OSPF** issues in an **OSPF** multi area environment.
* Managed fast Layer 3 switched/routed **LAN/WAN** infrastructure as a part of Network team. The LAN consisted of Cisco campus model of Cisco 3550 at access layer, Cisco 6513 at distribution/core layer.
* 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.
* Configured **CIDR 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.**
* Experience with Firewall Administration, Rule Analysis, Rule Modification
* Modified internal infrastructure by adding switches to support server farms and added servers to existing **DMZ** environments to support new and existing application platforms.
* Deployed 7613 as PE and CE router and Configured and troubleshoot the Edge Routers.
* Excellent troubleshooting knowledge on T1, T3, OC-3 and OC-12.
* Generated RCA (Root Cause Analysis) for critical issues of layer1/layer2/layer3 problems.
* Configuration and troubleshooting of Cisco **catalyst 6509, 7613** with supervisor cards.
* Worked with Juniper Firewalls.
* Experience with implementing and maintaining network monitoring systems (Cisco works and HP Open view) and experience with developing complex network design documentation and presentations using VISIO.
* Estimated Project costs and created documentation for project funding approvals.
* Configured **ASA 5540** to ensure high-end security on the network with **ACLs** and **Firewall.**
* Used **IPsec VPN** tunneling to provide access to user machines and partners in other network. Provided application level redundancy and availability by deploying F5 load balancers LTM.
* Experience with convert Checkpoint VPN rules over to the **Cisco ASA** solution. Migration with Cisco ASA VPN experience
* I have also configured different cisco routers over **windows 2000.**

**Environment:**NetFlow, TACACS, EIGRP, RIP, OSPF, BGP, VPN, MPLS, CSM, SUP720, Ether Channels, Cisco 7200/3845/3600/2800 routers, Fluke and Sniffer, Cisco 6509/ 3750/3550/3500/2950 switches, Cisco ASA firewalls.

**Bank of India, Surat, India Oct 2009 - Aug 2011**

**Network Support Engineer**

**Responsibilities:**

* Configured **RIP** and **EIGRP** on 2600, 2900 and 3600series Cisco routers
* Involved in troubleshooting of **DNS, DHCP** and other **IP** conflict problems
* Implemented **VTP** and Trunking protocols (802.1q and ISL) on **3560, 3750** and **4500**series Cisco Catalyst switches
* Provided on-call support for installation and troubleshooting of the configuration issues
* Configured Standard, Extended, and Named Access Lists to allow users all over the company to access different applications and blocking others
* Planned and implemented Subnetting, **VLSM** to conserve **IP** addresses
* Configured STP for loop prevention and **VTP** for **Inter-VLAN** Routing
* Performed troubleshooting of connectivity problems using **PING**, and **Trace route**
* Provided Technical support for improvement, upgradation, and expansion of the existing network architecture
* Done troubleshooting of **TCP/IP** problems and connectivity issues in multi-protocol Ethernet environment

**R.V.Patel College of commerce, Surat, India May 2008 - Sep 2009**

**Network Engineer**

**Responsibilities:**

* Provided **Level 1** Support for Broadband Connection to customer.
* Received inbound calls of technical nature, independently resolved customer complaints, concerns and inquiries regarding their Internet connection.
* Managed **LAN** and **Wireless Network** and performed troubleshooting On **LAN, WLAN**, Customer Modems (NTL 250, TERAYON, and MOTOROLA) And CPE Router (Cisco-Linksys, Belkin, D-LINK and Dynamode).
* Set up Home Network and provided troubleshooting and full support on virgin- media security Software (PC-guard).
* Troubleshoot a wide range of technical support issues and connectivity problems such as authentication, connection speed, e-mail configuration, and loss of synchronization.
* IOS upgrades on catalyst series switches like **2900, 3560, 3750**.
* Troubleshoot **TCP/IP** problems and connectivity issues in multi-protocol Ethernet environment.
* Implemented trunking protocols like **802.1q** on **3750** switches.
* Configured **ACLs** to provide accessibility and restrict unauthorized users.
* Involved in maintaining **STP, RSTP** and **PVST**+ for the catalyst switches I worked on.
* Configured and maintained **RIP, OSPF** and routing protocols on 2600 and 3600series Cisco routers.
* Maintaining and troubleshooting of connectivity problems using **Ping, Traceroute**.
* Assisted in racking and stacking.
* Technical assistance for **LAN/WAN** management and customer issues.
* Other responsibilities also included documentation.

**Certification:**

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

**Education:** Bachelor’s of Engineering in computer Science