

Swapnil Chawande

PROFESSIONAL SUMMARY

- Network Engineer with around 8 years of experience in the industry, which includes expertise in the areas of Routing, Switching and Firewall.
- Coordinating the Network Engineering Redesign Initiative. Maintaining enterprise wide network engineering standards. Bluecoat IPAM (IP address management) and Riverbed technical support.
- Proficient in Cisco IOS for configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS.
- Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
- Hands on experience in configuring and supporting site-to-site and remote access Cisco, IPsec, VPN solutions using ASA/PIX firewalls, Cisco, VPN client in addition to providing TACACS+ and RADIUS services.
- Expertise in implementation of IP addressing schemes (includes VLSM) and IP services to meet medium level enterprise level network requirement
- Experience working with Nexus 7K, 5K, 2K devices.
- Experience with configuring Nexus 2000 Fabric Extender (FEX), which acts as a remote line card (module) for the Nexus 5000.
- Well experienced in configuring protocols HSRP, GLBP, VRRP, ICMP, IGMP, PPP, HDLC, PAP, CHAP, and SNMP.
- IP Address Management using customized Bluecoat software
- Experience in designing MPLS VPN and QoS for architecture using Cisco multi-layer switches.
- Configuring BGP/OSPF routing policies and designs, worked on implementation strategies for the expansion of the MPLS VPN networks.
- Configuring, troubleshooting and managing secure web content gateways and filters like Bluecoat and Websense.
- Responsible for Check Point, Cisco ASA and (ZBF) Zone Based Firewall administration across global networks.
- Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST. Implementation of HSRP, VRRP for Default Gateway Redundancy.
- Experience in testing Cisco routers and switches in laboratory and deploy them on site production.
- In-depth knowledge and hands-on experience in Tier II ISP Routing Policies, Network Architecture, IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS, GigE circuits, Firewalls.
- IPAM Administration {NETID, Bluecoat, Infoblox}
- Strong knowledge of TACACS+, RADIUS implementation in Access Control Network.
- Experience in Designing and assisting enterprise wide Network Security and High Availability Solutions for ASA.
- Worked extensively on Palo Alto, Juniper Net screen and SRX Firewalls.
- Experience in Designing and troubleshooting IPSec and GRE Tunneling.
- Implemented DHCP, DNS, IPAM configuration on the servers to allocate, resolute the IP addresses from Subnet.
- Switching tasks include VTP, ISL/ 802.1Q, VLAN, Ether Channel, STP RSTP.
- Strong hands on experience in installing, configuring, and troubleshooting of Cisco 7600, 7200, 3800, 3600, 2800, 2600, 2500, and 1800 series routers, Cisco Catalyst 6500, 4500, 3750, 2950, and series switches.



- Hands on experience on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.

TECHNICAL SKILLS :-

| | |
|---------------------------------|---------------------------------------------------------------------------------------------|
| Networking Technologies: | LAN/WAN Architecture, TCP/IP, VLAN, VTP, NAT, STP, DHCP, DNS, IPsec, VPN, HSRP, VRRP, GLBP. |
| Routing Protocols | OSPF, IGRP, EIGRP, RIP, MPLS, IS-IS, BGP, Multicasting |
| Voice Protocols | MGCP, H.323, SIP |
| Network Monitoring | Cisco Works 2000, Wire Shark, SolarWinds, Riverbed, Ansible |
| Operating Systems | Windows 7, Linux, Cisco IOS, IOS XR |
| Routers | CISCO [7500, 7200, 4000, 3700, 3600, 2800, 2600] Juniper M & T Series |
| Switches | CISCO [6500, 5000, 4500, 3550, 3524, 2900], Nexus 7k, 5k, 2k |
| Programming Languages | C, C++ |
| Scripting | Python |
| AAA Architecture | TACACS+, RADIUS, Cisco ACS |

PROFESSIONAL EXPERIENCE

NYSDOT – Albany, New York

Sep 2015 to Present

Network Engineer

- Involved in complete LAN, WAN development (including IP address planning, designing, installation, configuration, testing, maintenance etc.).
- Configured and maintained 26 NOS network security team devices including IDS, Palo Alto firewalls, Bluecoat web proxies, and load-balancers.
- Implemented various EX, SRX & J series Juniper devices, Configuration 7609, 7606 with OSPF and Juniper (EX, QFX, and Q Fabric) switches with various VLAN.
- Responsible for the installation and configuration of the Palo Alto firewalls and equipment for the INOSC East AOR
- Performs new network cabling installations and upgrade services for medical facilities.
- Provides updates and upgrades to the Palo Alto firewalls, FPCs/NTSA Managers and Panorama devices
- Manages firewalls remotely and securely on both UNCLASS and CLASSIFIED systems
- Ability to troubleshoot complex network issues in the LAN/WAN networks and work with multiple application and system teams to identify bottlenecks in connectivity and other configuration issues
- Experience in firewall administration, network and information security, network administration, and related technical specialties
- Create incident tickets with the Palo Alto Networks TAC to troubleshoot and diagnose cases
- Monitor network for outages and issues affecting performance
- Advanced knowledge and understanding of Juniper E-Series routing devices.
- Configured, analyzed, isolated and resolved errors using Juniper routers, Juniper Netscreens, Juniper SRX's, Juniper switches, Cisco ASA, Cisco routers, and Cisco switches
- Leveraged SolarWinds VNMQ to monitor VPNs and internet health checks to improve visibility and create efficiency.

- Involved in L2/L3 Protocols with Q-Fabric topology. Complete understanding of the system behavior on Q-fabric. Developed test plans and test equipment and processes. Understanding new requirements from the Design documents. Designing Test Topologies. Bug fix verification Q-Fabric platform. Using Data traffic generators Ixia network and Spirent to test the L2/L3 Protocols. Executed Manual testing, protocol testing and system testing. Involved Non Stop Forwarding testing for Q-fabric. Involved performance testing for Q-fabric. Developing Test Automation using Perl
- Experience in deployment of Nexus 7010, 5548, 2148T, 2248 devices
- IP Address Design and Management: I manage DNS and DHCP using a Bluecoat at appliance called IPAM.
- Experience working with Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for datacenter access architecture.
- Monitored and Maintain Riverbed steelhead MAPI traffic by optimizing the ingress and egress traffic across the network.
- Contributed to Juniper E-series Broadband service router which provides multiple services like broadband remote access server, broadband video services, VOIP, internet access, security services on a single platform. Configured of MPLS L2 VPN's, VPLS on Juniper M and J series Routers.
- Created & documented wiring and network diagram using MS- Visio.
- Engineered BGP routing attributes (Route map, AS-path, MED, local preference) to load balance between multiple links.
- Creating and provisioning Juniper SRX firewall policies.
- Installation and maintenance of Cisco Layer 3 switches 3750, 4500X, 6500 in multi VLAN environment.
- Developed and delivered training for Juniper product knowledge.
- Assisted JTAC with case management and trouble shooting network issues.
- Experience with upgrading firmware of Cisco UCS, Cisco and Nexus switches in a virtual environment.
- Support fully virtualized production data centers using Cisco UCS environments
- Coordinating the Network Engineering Redesign Initiative. Maintaining enterprise wide network engineering standards.
- Performs requested new installs including workstations, printers, peripherals, network cabling connectivity, and image based hardware deployments.
- Interpreted company schematics to assemble and install all hardware and cabling for new server and data rooms.
- Once trouble ticket has been created keep customer informed of status of ticket and estimated time to repair.
- Coordinating with service providers for WAN link outages.
- Wrote and tested 'Migration and Upgrade' MOP's for Juniper MX-960's in our customers core.
- Bluecoat IPAM (IP address management) and Riverbed technical support.
- Working on Cisco 6509 and 4507 series switches for LAN requirements
- Managed/troubleshoot Citrix farms; developed/maintained standards, policies and procedures.
- Experience with F5 (VIPRION - ASM) GTM/LTM installation and assist in configuration of F5 (VIPRION - ASM) APM LTM modules for BIG IP networking equipment.
- Using the ActiveSync security policies, application-ready security policies to protect servers running on F5 (VIPRION - ASM) using F5 (VIPRION - ASM) ASM for both the HTTP and the HTTPS protocols.
- Provide Tier II Load Balancer expertise on F5 (VIPRION - ASM) BigIP Local Traffic Managers (LTM). Designing F5 (VIPRION - ASM) solutions/support for migration work of applications and websites from Cisco CSS Load Balancers to the F5 (VIPRION - ASM) BigIP Load Balancers.
- Once trouble ticket has been created keep customer informed of status of ticket and estimated time to repair.
- Coordinating with service providers for WAN link outages.



- Used load balancers ACE and load balancing technique with multiple components for efficient performance and to increase reliability through redundancy.
- Executed the F5 (VIPRION - ASM) Viprion to deal with high traffic volume for L7 traffic on 2250 blade while Thunder 6630 using viprion chassis
- Deploying and decommissioning Cisco switches and their respective software upgrades.
- Experience with manipulating various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.
- Deploying and commission of core ASR 1K, Nexus 7K, 5K and its downstream devices.
- Experience configuring Virtual Device Context in Nexus 7010. Experience with converting Cisco 6500 IOS to Cisco Nexus NX-OS in the data center environment. Experience configuring VPC, VDC and ISSU Software upgrades on Cisco Nexus 7010. Experience in Configuring, upgrading and verifying the NX-OS operation system.
- Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair. Configured CIDR IP RIP, PPP, BGP, MPLS and OSPF routing.
- Performing the ACL requests change for various clients by collecting source and destination information from them.
- Implemented traffic management and configured load-balancing devices including F5 (VIPRION - ASM) (VIPRION) BIG-IP, Radware AppDirector and Link Proof and Cisco CSS/CSM.
- Upgraded load balancers from Radware to F5 (VIPRION - ASM) BigIP v9 which improved functionality and scalability in the enterprise.
- Managed the F5 (VIPRION - ASM) BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs.
- Configuring various advanced features on F5 (VIPRION - ASM) BIGIP appliances SSL termination and initiation, Persistence, Digital Certificates, Executed various migration/upgrade projects across F5 (VIPRION - ASM) and hands on with F5 (VIPRION - ASM) BIGIP LTMs/EM.
- Managed the F5 (VIPRION - ASM) BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs.
- Configuring & managing around 500+ Network & Security Devices that includes Cisco Nexus & Arista Switches, Juniper MX Series Routers, Juniper SRX Firewalls, A10 Load balancers.
- 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.
- Web Interface and Secure Gateway to NetScaler migration
- Understand the JUNOS platform and worked with IOS upgrade of Juniper devices.
- Configured the Cisco router as IP Firewall and for NATing.
- Worked with Security issues related to Cisco ASA/PIX, Checkpoint, IDS/IPS and Juniper Netscreens firewalls, Cisco Jabber.
- Other responsibilities included documentation and supporting other teams.

ALSTOM Signaling – Rochester, New York

Sep 2014 to August 2015

Network Engineer

- Experience with migrating from OSPF to BGP WAN Routing protocol.
- Managing Large Palo Alto Firewall network including 50 remote offices, and three Data Centers using 5000, 500 and 200 series firewalls, Palo Alto Management software Panorama. SD-WAN, MPLS
- Experience. Cisco Meraki switches and Access Points.
- Palo Alto installation, configuration, administration, monitoring and implementing the policies, PaloAlto, 3060,5060, and 7050

- Palo Alto design and installation (Application and URL filtering, Threat Prevention, Data Filtering).
- Work on Checkpoint Platform including Provider Smart Domain Manager. Worked on configuring, managing and supporting Checkpoint Gateways
- Design and implementation of Data Centre Core based on Juniper Q-Fabric, SRX3600 & Brocade ADX 4000
- Maintained, configured, and installed Cisco ASA 5520 Firewall
- Palo Alto upgradation and degradation Investigated data anomalies in the network cabling and found faulty fiber optic cables, initiated and performed polishing and testing on 48 fiber links which restored data integrity to 100%.
- Assisting instructor, as well as performing any network cabling needs
- **Network cabling (Fiber-Optics & Copper-Based)**
- F5 configuration, installation and monitoring with F5 APM
- Utilized Security Information and Event Management (SIEM), Intrusion Detection & Prevention (IDS / IPS), sniffers and malware analysis tools.
- Worked extensively on Data Center Palo Alto firewalls and F5 BIG-IP LTM. Configured Site-Site VPN on Palo Alto Firewall on one side and Fortinet on the other side.
- Implemented many number of security policy rules and NAT policy rules on Palo Alto, created Zones, Implemented Palo Alto Firewall interface, Palo Alto IDS and VLAN. Analyzed the Policy rules, monitor logs and documented the Network/Traffic flow Diagram of the PaloAlto Firewalls placed in the Data Center with MS Visio.
- Extensive implementation of firewall rules on checkpoint R77 GAIA on daily basis using Smart Dashboard. Provided daily Palo Alto firewalls administration such as Threat prevention, URL filtering, IPSEC and SSL VPN's, zone based integration, and analyzing syslog's, and utilizing wild fire feature in Panorama 7.1.
- Configuration of OSPFv3, BGPv6 on Juniper M and J Series Routers.
- Configured VLAN trunking with Palo Alto interface
- Maintained, configured, and installed Cisco routers and switches: 7500/catalyst 6500/RV320/2960/catalyst 3550/12410, 12816, 1204 series, Nexus 7k and 5k, WLC, and ASA 5540
- Configured routes on Palo alto firewalls 3060, 5060, 7050
- Citrix Net scalar with DMZ and internet firewalls
- Palo Alto user-identification implementation with KIWI servers user Palo Alto user-id agents
- Configuring TACACS, LDAP, and RADIUS for Cisco ASA and Palo Alto firewalls
- Integrating Panorama with Palo alto firewalls, managing multiple Palo Alto firewalls using Panorama
- Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers.
- Working with Cisco Catalyst/Nexus/UCS/MDS, and F5's including ASM's
- Installation and Configuration of Cisco Catalyst switches 6509, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design Document and followed the change process as per IT policy. It also includes the configuration of port channel between core switches and server distribution switches.
- Created and modifies firewall rules using Juniper and Cisco firewalls
- Created and modifies ACLs on Juniper and Cisco devices
- Integrating AVI Networks load balancing and analytics with ACI and Openstack to automatically create and tear down F5 (VIPRION - ASM) load balancers as resources are consumed or no longer needed.
- Implementation and configuration of F5 (VIPRION - ASM) Big-IP LTM-6400 load balancers
- Integrating Microsoft Server 2013 Active Directory/LDAP integration with Cisco ACI
- Experience with hardware load balancer administration and support, preferably with F5 (VIPRION -

ASM) and Cisco ACE load balancers

- Experience with F5 (VIPRION - ASM) load balancers - LTM, GTM series like 6400, 6800, 5000 and 2000.
- Migrated legacy F5 (VIPRION - ASM) LTM appliance to newer version appliances. Experience in Migrating of applications from Cisco ACE to F5 (VIPRION - ASM) LTM
- Worked extensively in Configuring, Monitoring and Troubleshooting Juniper security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design.
- Converting CatOS to Cisco IOS Config Conversion on distribution layer switches
- Convert Branch WAN links from TDM circuits to MPLS and to convert encryption from IPSec/GRE to GetVPN.
- Designed and implemented Flexpod (UCS/Nexus 5k/2k/1k/Netapp storage/Vmware) solutions primarily, and vBlock solutions secondarily.
- Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls. Support ongoing efforts in defining best practice policies for Juniper product applications used by Customer
- Experience with setting up MPLS Layer 3 VPN cloud in data center.
- Experience in communicating with different customers, IT teams in gathering the details for the project.
- Create and test Cisco router and switching operations using OSPF routing protocol, ASA Firewalls, and MPLS switching for stable VPNs.
- Redesign of Internet connectivity infrastructure for meeting bandwidth requirements.
- Configured HSRP, VRRP, GLBP, and VLAN trucking 802.1Q on Catalyst 6500 switches.
- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Expertise in installing, configuring and troubleshooting Juniper Routers (J, M and MX-series)
- Implement/Maintain a Juniper Environment of 600 data collection units across USA.
- Web Interface and Secure Gateway to NetScaler migration
- Design Voice solutions for business applications and infrastructure technology.
- Voice network planning, design, and standard configurations.
- Cost benefits analysis of voice network solutions as they apply to business objectives.
- Configure and Deploy VOIP servers, hardware, applications, and monitoring tools
- Evaluate and Certify SIP PBX equipment and software
- Provide direct day to day support for various technologies such as: WAN technologies (MPLS, Metro Ethernet, etc.), Data Center infrastructure (VLANs, trunks, teaming, L2 & L3, etc.), Campus switching, Load Balancer and Virtualization, Routing protocol support (BGP, IEGRP & OSPF), VPN technology support, VoIP communications and infrastructure, enterprise wireless, RADIUS services, enterprise DNS / DHCP and other various enterprise technologies and services
- Configured of OSPF, BGP on Juniper Routers and SRX Firewalls.
- Bug Fix Verification Q-Fabric Platform. Using Data Traffic generators Ixia network and sprirent to test the L2/L3 Protocols. Executed manual testing, protocol testing and system testing. Involved non stop forwarding testing for Q-Fabric. Involved performance testing for Q-Fabric developing test automation using perl. Deployed Palo Alto Firewalls for web filtering and application control. Troubleshooting the Juniper SRX100 and 110 series, Juniper Net Screen routers.

Unite Private Networks – Liberty, Missouri

Nov 2013 to August 2014

Network Engineer

- Design, Planning, Configuring and implementing a core network for client companies.
- Implement, configure and troubleshoot VPN's and Secure Remote related issues.
- Juniper Q Fabric M deployment, CISCO Nexuses 7K, Foundry Big Iron 15K and RX 16K

- Configuring virtual chassis for Juniper switches EX-4300, firewalls NS 5200. Working experience with Cisco 2600, 2800, 3600 and 3800, ASR, ISRs and 7200 series routers and Juniper MX and T series routers. Worked extensively on Palo Alto, Juniper Net Screen and SRX NGFW and Juniper QFX in data center environment.
- Installation, configuration, and support of NetScaler 10.1 appliance
- Palo Alto App ID migration from the legacy based port rules for PA 5060, 7050
- Ability to identify types of copper based network cabling
- To install from start to end networks including voice and data with CAT5e and CAT6 Low-voltage cabling, fiber optics and wireless
- Job site experience on rewiring copper cabling, fiber, coax cabling
- Manage to use Low-voltage cabling, fiber optics, coax and wireless products
- Implementation, support and trouble-shooting of VLANs including operational knowledge of Spanning Tree Protocol (STP), VLAN trumping, inter-VLAN routing and ISL/802.1Q.
- Citrix Net scalar configuration and installation and monitoring
- Palo Alto SSL decryption installation and configuration on PA 3060, 5060, and 7050
- Managed multiple security devices in order to protect the Enterprise's network - Vulnerability Scanners, Malware Detection, Intrusion Detection; Host based Firewalls, SIEM, Web Application Firewall, Cisco UCS.
- Working with F5 Load Balancers for LTM and GTM type load balancing between multiple centers.
- Palo Alto integration with VMware Virtual Desktop infrastructure
- SIEM tuning and log analysis of alerts.
- Responsible for design and implementation of Data center core based on Juniper Q-fabric, SRX 3600.
- Configure NSX firewall for VMware Virtual Desktop infrastructure
- Monitoring for VMware Virtual Desktop infrastructure
- Integrating Palo alto firewall with Active directory for user-identification.
- Installation of Palo alto user-id agent on Active directory.
- Migrating URL filtering policies from Bluecoat to Palo alto
- Switches, Nexus Switches, Juniper and Palo Alto Firewalls, F5 BigIP Load balancers, Blue Coat Proxies and Riverbed WAN Optimizers.
- Troubleshoot and Worked with Security issues related to Cisco ASA/PIX, Checkpoint, IDS/IPS and Juniper Netscreens firewalls,
- Responsibilities include the day-to-day operations and support of the dual site Orion SolarWinds performance monitoring environment overseeing the network and systems.
- Implementation, support and trouble-shooting of VLANs including operational knowledge of Spanning Tree Protocol (STP), VLAN trumping, inter-VLAN routing and ISL/802.1Q.
- Strong knowledge of Cisco and Juniper software, Nortel (IOS/XR and JunOS) and hardware.
- Support of standard routing protocols (BGP, OSPF, EIGRP) in an enterprise environment also implemented ACLs and NAT on Cisco core switches.
- Configured, tested, troubleshoot and maintained network connectivity in a LAN/WAN environment and IT services running routing protocols on Cisco devices.
- Strong Knowledge in working with F5 (VIPRION - ASM) Load Balancers and their Implementation in various Networks
- Worked with Palo Alto firewalls PA5050 using Panorama servers, performing changes to monitor/block/allow the traffic on the firewall. Worked on F5 BIG-IP Local Traffic Manager (LTM) to automate, and customize applications in a reliable, secure, and optimized way. Written iRules for redirecting the traffic, configured Virtual Servers and issued/created SSL server and client certificates.



- Configured HA Active/Standby failover on F5 BIG-IP LTM. Configuration, troubleshooting Checkpoint Firewall using R77 Smart View Tracker and Monitor Worked extensively on addressing the audit issues and mitigating the failed controls. Collapsing the existing firewall rules and fine-tuning the firewall policies for better performance. Configured syslog's on Palo Alto firewall and moved the logs to Splunk and reviewed it.
- Policy Reviewing, Audit and cleanup of the un-used rule on the firewall using Splunk. Working with different teams to gather info for the new request and troubleshoot for any connectivity issues by capturing traffic using TCPDUMP and smart view tracker.
- Configuring and troubleshooting site-to-site IPSEC VPN tunnels on cisco routers for third party connectivity. Responsible for troubleshooting and resolving firewall software and hardware issues, including VPNs, connectivity issues, logging, cluster configurations, and hardware installations for Checkpoint and Palo Alto firewalls.
- Involved in Configuration of Access lists (ACL) on Juniper and Palo Alto firewall for the proper network routing for the B2Bnetwork connectivity.
- Rebuilding data centers and redundant sites for failover, F5 (VIPRION - ASM) load balancers
- Migrated, created, and managed pools and clusters in F5 (VIPRION - ASM) BigIP GTM 3DNS load balancers across multiple Datacenters.
- Configured F5 (VIPRION - ASM) GTM Wide IP, Pool Load Balancing Methods, probers and monitors recreating Http and https redirect VIP's to client from data servers.
- Administration Big IP F5 (VIPRION - ASM) LTM 8900 for all Local Load balancing and configured profiles provided and ensured high availability. Using the ActiveSync security policies, application-ready security policies to protect servers running on F5 (VIPRION - ASM) using F5 (VIPRION - ASM) ASM for both the HTTP and the HTTPS protocols.
- Integrating AVI Networks load balancing and analytics with ACI and Openstack to automatically create and tear down F5 (VIPRION - ASM) load balancers as resources are consumed or no longer needed.
- Implementation and configuration of F5 (VIPRION - ASM) Big-IP LTM-6400 load balancers
- Integrating Microsoft Server 2013 Active Directory/LDAP integration with Cisco ACI
- Experience with hardware load balancer administration and support, preferably with F5 (VIPRION - ASM) and Cisco ACE load balancers
- Experience with F5 (VIPRION - ASM) load balancers - LTM, GTM series like 6400, 6800, 5000 and 2000.
- Migrated legacy F5 (VIPRION - ASM) LTM appliance to newer version appliances. Experience in Migrating of applications from Cisco ACE to F5 (VIPRION - ASM) LTM
- Managed and configured DHCP, DNS, Antivirus, and backups, provided escalated IT support, hardware troubleshooting, backup and recovery, email communication and application support.
- Overseeing all network cabling decisions pertaining to infrastructure, layout and execution.
- Configured, tested, troubleshoot and maintained network connectivity in a LAN/WAN environment and IT services running routing protocols on Cisco devices.
- Assigned to assist lead techs on structured cabling projects
- Network cable pulling and termination for workstations and IDF cabinet
- Can identify cabling problems from the results of a performance tester.
- Able to Identify and describe terms related to cable troubleshooting such as cross talk and florescent lighting, able to locate defects.

KDC – Mumbai India

April 2009 to July 2013

Network Engineer

- Working with Network Design and implementation teams on various projects across related to Brach,

Campus and Data Center.

- Implemented and maintained various WAN equipment such as Cisco 2800, 3800 and 7200 routers, ASR 1006.
- Implemented and maintained custom APM iRules for variable authentications
- Configured F5 (VIPRION - ASM) LTM solutions, which includes WideIP, Pool Load Balancing Methods, probers and monitors
- Design and deployed F5 (VIPRION - ASM) LTM load balancer infrastructure per business needs from the ground up approach
- Extensive Knowledge in configuring and troubleshooting as well as creating Virtual Servers, Nodes, Pools and iRules on BIG-IP F5 (VIPRION - ASM) load balancer LTM for load balancing and traffic management in DC environment.
- Cabling codes and standards for Category 5e and 6 cabling NEC.
- Commercial cabling subsystems backbone cabling, horizontal cabling TR.
- Able to identify hardware components as 66 and 110 connectors.
- Can identify and describe horizontal and backbone styles.
- Knowledge of the basic cabling codes used.
- Helped customer providing consultation for solution comparison, product evaluation for Server farm switches to go for Cisco Nexus platform or Juniper Q-Fabric platform, helped customer in setting up test environment for Juniper Q-Fabric and load testing, post result analysis. This project include configuring various modules needed in Q-Fabric like NNG, EX-Switches, Inter-Connects, Q-Fabric Directors.
- Dealt with creating VIP pools, nodes and created custom iRules for the virtual servers like cookie persistency and redirection of URL on F5 (VIPRION - ASM) ASM cookies issues and configures ASM policies
- Security policy review and configuration in Palo Alto and Juniper SRX Firewall in US offices and Datacenter. Successfully migrated the cisco legacy environment which consist of 6500, 4500 to Cisco Nexus 7k/5k/2k.
- Regular upgrade and maintenance of Infrastructure, Installing, configuring, and maintaining Cisco Switches (2900, 3500, 7600, 3700 series, 6500 series) Cisco Routers (4800, 3800, 3600, 2800, 2600, 2900, 1800, 1700, 800) Cisco Router and Switches, Juniper Routers and Firewalls, Nexus 7k, 5k & 2k, f5 BIG IP, Palo Alto Firewalls.
- Installed and configured Juniper MX480- 960 Routers, EX2200, 4300 Switches, PTX3000 routers, QFX5100, 3500 and Q-Fabric platforms, SRX200 Branch platforms. Configuration 7609, 7606 with OSPF and Juniper (EX, QFX, and Q-Fabric) switches with various VLAN. Configured VLAN, Spanning tree (STP), VSTP, SNMP on Juniper EX series switches.
- Configuring rules and Maintaining Palo Alto Firewalls & Analysis of firewall logs using various tools.
- Work on Checkpoint Platform including Provider Smart Domain Manager. Worked on configuring, managing and supporting Checkpoint Gateways.
- Working on the project of F5 LTM and GTM code upgrade project, doing couple of them every week.
- Successfully installed Palo Alto PA-3060 firewalls to protect Data Center and provided L3 support for routers/switches/firewalls.
- Maintained, configured, and installed Cisco and Juniper routers and switches: 7500/catalyst 6500/RV320/2960/catalyst 3550/12410, 12816, 1204 series, Nexus 7k and 5k, WLC, and ASA 5540
- Implemented Positive Enforcement Model with the help of Palo Alto Networks.
 - Responsible for setting up the infrastructure environment with majority of Cisco & Palo Alto appliances apart from various other equipment.
- Researched, designed, and replaced aging Checkpoint firewall architecture with new next generation Palo Alto appliances serving as firewalls and URL and application inspection.



- Experience working with design and deployment of MPLS Layer 3 VPN cloud, involving VRF, Route Distinguisher (RD), Route Target (RT), Label Distribution Protocol.
- Advanced knowledge, design, installation, configuration, maintenance and administration of Juniper SRX Firewall, Juniper EX and Juniper MX devices.
- Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls.
- Implementing and configuring F5 LTM's for VIP's and Virtual servers as per application and business requirements.
- Installation of Palo Alto (Application and URL filtering, Threat Prevention, Data Filtering)
- Experience working with Cisco 3750, 4948, 2811, 2600, 7200, 6500, series switches. Designing and deployment of Partner IPSEC VPN tunnels.
- Involved in the configuration & troubleshooting of routing protocols: MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4. Configured IP access filter policies.
- Configured F5 (VIPRION - ASM) LTM solutions, which includes WideIP, Pool Load Balancing Methods, probes and monitors
- Design and deployed F5 (VIPRION - ASM) LTM load balancer infrastructure per business needs from the ground up approach
- Extensive Knowledge in configuring and troubleshooting as well as creating Virtual Servers, Nodes, Pools and iRules on BIG-IP F5 (VIPRION - ASM) load balancer LTM for load balancing and traffic management in DC environment.
- Dealt with creating VIP pools, nodes and created custom iRules for the virtual servers like cookie persistency and redirection of URL on F5 (VIPRION - ASM) ASM cookies issues and configures ASM policies
- Performed Break Fix support through driving to different buildings, identifying the root cause of the hardware issues with switches, routers.
- Design, implementation and operational support of routing/switching protocols in complex environments including BGP, OSPF, EIGRP, Spanning Tree, 802.1q, etc.
- Performing troubleshooting on slow network connectivity issues, routing issues that involves OSPF, BGP and identifying the root cause of the issues.
- Upgraded load balancers from Radware to F5 BigIP v9 which improved functionality and scalability in the enterprise.