F5

**PROFESSIONAL SUMMARY:**

* Cisco Certified Network Engineer with 8+ years of experience in the industry, which includes expertise in the areas of Routing, Switching, Firewall and Load Balancing.
* Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as EIGRP, OSPF, BGP, ability to interpret and resolve complex route table problems.
* Implementation traffic filters on Cisco routes using Standard, extended Access list.
* Expert Level Knowledge about TCP/IP and OSI models.
* In-depth expertise in the analysis, implementation, troubleshooting & documentation of LAN/WAN architecture and good experience on services.
* Cisco ASA Firewall troubleshooting and policy change requests for new IP segments that either come on line or that may have been altered during various planned network changes on the network.
* Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R75 firewalls.
* Installed Palo Alto PA-3060 firewalls to protects Data Center and provided L3 support for routers/switches/firewalls
* Hands - on exposure at designing, installing, configuring & maintaining Enterprise Networks using Cisco routers, Catalyst Switches, Racking, Stacking, Configuring various networking devices.
* Subject Matter Expert in network security, Cloud computing security and SDN security applications.
* Hands on experience working with Cisco Nexus 7K, 5K & 2K Switches.
* Comprehensive knowledge of wireless networking systems and protocols.
* Worked on NXOS, IOS, and IOS-XR BXB to N7K-NXOS (MPLS) system test.
* Experience in F5, Cisco ACE 4710 Load balancers, Aruba wireless access points and controllers.
* Experience deploying BIG-IP F5LTM Load Balancers for load balancing and traffic management of business application.
* Worked on different firewall & security appliance such as, Checkpoint 4400,4600,4800, 21700,Palo-Alto 200,500,3020,3060, 5020,5060, Panorama M-100, Cisco ASA 5505, 5510,5512-X, 5500-X,5585-X, Cisco WSA S370, S680, Radware DefensePro IPS, Radware Appwall (WAF)
* Strong hands on experience in installing, troubleshooting, configuring of Cisco 7200, 3800, 3600, 3400, 2800, 2600, 2500, 1900, 1941, 1921 and 1800 series Routers, Cisco Catalyst 6800, 6807, 6500, 4500, 3750, 2950, 2960 and 3500XL series switches.
* In-depth knowledge and hands-on experience on IP Addressing, Sub netting, VLSM, DNS, DHCP and ARP, reverse & proxy ARP, Ping Concepts.
* Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP Ether channel, STP, RSTP and MST.
* Implemented shell scripts for networking automation and provisioned DNS with QIP
* Experience with Next Generation and web application firewalls (Checkpoint, Palo Alto, Cisco ASA Firepower, s
* Experience in working with Windows power shell scripting to maintain and administrating server environments.
* Experience with Layer 2 and Layer 3 protocols like LDP, RSVP/ TE, QOS, COS L2 VPWS and VPLS, FRR.
* s
* Experience on Virtual Private Network (VPN) for operating Network and Data Center
* Implementation of HSRP, VRRP and GLBP for Default Gateway Redundancy and troubleshooting.
* Facilitating the automated collection, Analyzing, alerting, auditing, reporting and secure storage processing of all the logs using RSA envision solution.
* Worked with Nortel Meridian PBX and/or Succession Call Server Technology, Alcatel-Lucent Vital QIP radware, Juniper SSL VPN.
* Actively participated in upgrading fast Ethernet, Layer 3 switched/routed LAN infrastructure from Cisco 3640 to Cisco 2811 ISR routers and switches at access level to 2950, 3550.
* Experienced in Deploying Wireless Network Infrastructure and Wireless Survey Best Practices Advanced knowledge in TCP/IP suite and IPAM, routing protocols, such as OSPF, EIGRP, ISIS, and BGP.
* Expertise in network protocols, Firewalls and Communication Network design.
* Advanced knowledge, design, installation, configuration, maintenance and administration of Juniper SRX Firewall, Juniper EX and Juniper MX devices.
* Solid knowledge and hands-on experience in configuring datacenter infrastructure with Cisco Nexus 5K and 7K series switches (5548, 7010) and Cisco Nexus Fabric Extenders (2232, 2248).
* Expert in configuring 802.1d STP and 802.1w rapid-spanning tree protocol (RSTP), Cisco per VLAN spanning Tree (PVST+) / Multiple Spanning-tree 802.1s, VLAN & Dynamic Trunking Protocol (VTP/ DTP) and 802.1x port-security on access layer switches.
* Experience with configuring VPC, VDC and OTV between the data centers as a layer 2 extension.
* Excellent hands-on experience with Layer 2 protocols ARP, ATM, Frame Relay and VPN technologies: IPSec & SSL
* Used CI/CD tools Jenkins, Git/Gitlabs, Jira and Docker registry/daemon for configuration management and automation using Ansible .
* Sound knowledge and experience in IP addressing and subnetting with VLSM, configuring and supporting DNS zones, installing and configuring proxies.
* Experience in installing, managing & troubleshooting enterprise Networks & System Administration issues on Windows & Linux platforms in Development, Lab & Production Environments.
* Experience in Network Management Tools including HP-Open view, Wireshark, Network Monitor AppMapper, Net Scout, Nmap and Cisco works to support 24x7 Network Operation Center (NOC).
* Configuring Virtual Chassis for Juniper EX-4500, EX-4200, EX 3200, EX-2200 series Ethernet switches & Juniper QFabric QFX3500.
* Experience with configuration and management of CDN's (Akamai and Comcast)
* Expertise with configuring TACACS+, RADIUS for AAA authentication, user authorization & accounting.
* Implemented IP SLA and SD-WAN traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Open Shortest Path First (OSPF).
* Some familiarity with Zabbix, AWS, Git, Nginx, Ansible
* Sound knowledge in implementation of standard, extended ACL’s on Cisco PIX 505, 515, ASA 55xx series, Juniper SRX firewalls.
* Solid understanding of physical & virtual security devices including Juniper SRX240, SRX220, SRX550, Fortinet FortiWAF, Microsoft Web Application Proxy.
* Experience configuring network security applications not limited to Intrusion Detection and Prevention Systems (IDS/IPS).
* Hands-on experience with installing, configuring and managing IT infrastructure applications and services including Active directory site replication, DNS, DHCP, NAT, secure FTP, LDAP, SMTP.
* Worked on F5 and A10's GTMs to troubleshoot DNS issues and actively participated in A10 to F5 GTM migrations.
* Migrated legacy F5 LTM and GTM appliance to newer version appliances

**TECHNICAL SKILLS:**

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| --- | --- |
| Networking Technologies | LAN/WAN Architecture, TCP/IP, Frame Relay, VPN, VLAN, VTP, NAT, PAT, STP, RSTP, PVST, MSTP |
| Networking Hardware | Cisco Switches, Cisco Routers, ASA/Pix/Palo Alto/Fortinet/Juniper firewalls. |
| Routing Protocols | OSPF, ISIS, EIGRP, RIP, MPLS, IS-IS, BGP, Multicasting |
| Security Technologies | PAP, CHAP, Cisco PIX, Blue Coat, Palo Alto, ASA, Fortinet, Checkpoint |
| Network Monitoring | Solarwinds, Wireshark, HRping, Whatsupgold, Infoblox |
| Operating Systems | Windows 7, Vista, XP, 2000, LINUX, Cisco IOS, IOS XR, IOS-XE, NX-OS |
| Routers | CISCO 4300, 4400, 4500,2600, 2800,3800,7200, Juniper M & T Series, ASR 1000 |
| Load Balancers | F5 Networks (BIG-IP), Netscaler (Citrix) |
| Capacity & performance | Cascade Riverbed (Flow Monitor), WAN Killer |
| Switches | CISCO 2960,3750,3850, CAT 9300, CAT9400, CAT 9500,4500,6500,6800 Nexus 7k,5k,2k |
| Programming Languages | C, C++, Perl, Python |
| Simulation Tools | GNS3, VMware, OPNET IT GURU, OPNET Modeler, Cadence |
| Firewalls | Juniper Net Screen (500/5200), Juniper SRX (650/3600), Pix (525/535), ASA (5520/5550/5580), McAfee Web Gateway, Checkpoint, Palo Alto firewalls. |
| AAA Architecture | TACACS+, RADIUS, Cisco ACS |
| Features & Services | IOS and Features, HSRP, GLBP, VRRP, IPAM IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, DNS, TFTP and FTP Management, Open Stack, IVR’s, HLD and LLD documents, Dell equal logics |

**EDUCATION:**

Bachelor in Electronics and Communication Engineering.

**CERTIFICATIONS:**

(CCNA) – Cisco Certified Network Associate

(CCNP) – Cisco Certified Network Professional

(PCNSE) – Palo Alto Certified Network Security Engineer

**PROFESSIONAL EXPERIENCE:**

**CSAT, Houston, TX** **January 2020- Present**

**Sr. Network Engineer**

* Involved in complete LAN, WAN development (including IP address planning, designing, installation, configuration, testing, maintenance etc.).
* Involved in Switching Technology Administration including creating and managing VLANS’s, Port security, Trunking, STP, Inter Vlan routing, LAN security etc.
* Implemented with Cisco Layer 3 switches 3750, 4500, 6500 in multi VLAN environment with the use of inter-VLAN routing, HSRP, ISL trunk, ether channel.
* Actively involved in design & deployment of a new datacenter using Cisco Nexus 9000 platform in spine & leaf architecture utilizing VXLAN fabric & BGP-EVPN overlay technologies
* Possess good experience in configuring and troubleshooting WAN technologies like MPLS, T1, T3, DS3 and ISDN. Supporting project test teams in analyzing the bandwidth utilization.
* Implementing the necessary changes such as adding, moving, and changing as per the requirements of business lines in a data center environment.
* Monitoring the network traffic with the help of Qradar and Cisco IPS event viewer.
* Configured Juniper MX480s, EX8200s, EX4500s, EX4200s, and SRX5800s from scratch to match design
* Configure all Checkpoint, Palo Alto Networks Firewall models (PA-2k, PA-3k, PA-5k etc.) as well as a centralized management system (Panorama) to manage large scale Firewall deployments.
* Implementing and troubleshooting (on-call) IPSec VPNs for various business lines and making sure everything is OSIVPN on Cisco ASA 5500 firewall.
* Experience with partners on installation and configuration problems and issues related to SDN-NFE, DNAC.
* Installing and configuring new Cisco equipment including Cisco catalyst switches 6500, Nexus 7010, Nexus 5548, and Nexus 2k as per the requirement of the Organization.
* Responsible for training Field Engineers for staging, racking and stacking of network devices.
* Use Aruba Software to manage and Monitor multi sites wireless networking
* Worked as a part of data center deployment where we converted from Cisco 6500 to Nexus.
* Experience configuring VPC (Virtual Port Channel), VDC (Virtual Device Context) in Nexus 7010/7018
* Configured Nexus 2000 Fabric Extender (FEX), which acts as a remote line card (module) for the Nexus 5000 to connect servers and storage devices.
* Designed and configured **Azure Virtual Networks** (VNets), subnets, **Azure network settings**, DHCP address blocks, DNS settings, security policies and routing.
* Experienced in Automating, Configuring, and deploying instances on AWS, Azure environments, and Data centers, also familiar with **EC2**, **Cloud watch**, **Cloud Formation** and managing security groups on AWS.
* Worked primarily as a part of the security team and daily tasks included firewall rule analysis, rule modification and administration. Experience in working with designing, installing, and troubleshooting of Palo Alto firewalls.
* Configuring & managing around 500+ Network &Security Devices that includes Juniper SRX Firewalls, F5 BigIP Load balancers and Nexus Devices. Experience working with JUNOS OSon Juniper Routers and Switches.
* Adding and removing checkpoint firewall policies based on the requirements of various project requirements.
* Experience with Firewall Administration, Rule Analysis, Rule Modification
* Responsible to Configuring and managing Virtual Machines, Storage, network and applications using Windows Azure portal.
* Assessed and researched different Cloud WAF technologies for implementation such as F5, Barracuda and CheckPoint Firewall.
* Deployed, configured and implemented Imperva SecureSphere WAF and DAM, WebInspect, Appscan, OWASP for Web-based application vulnerability analysis and code review process.
* Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
* Designed and Implemented NSX in Multi-Regional Data Center, micro segmentation, Load balancing
* Setup VMWare NSX Distributed Firewall (DFW) for Micro Segmentation and Distributed Load Balancing
* Monitored and managed networks using CiscoWorks tools and Wireshark
* In depth Knowledge of AWS clousssssd service like Compute, Network, Storage, and Identity & access management.
* Hands-on Experience in configuration of Network architecture on AWS with VPC, Subnets, Internet gateway, NAT, Route table.
* Implementing **VMware NSX Micro segmentation**, **logical switch, DLR/Edge configuration** and maintenance.
* Involved in physical stacking and racking of Network equipment in huge datacenter environment.
* Assistance provided with initial installation and configuration for SDA (ISE, DNAC+Assurance, Stealth watch, APIC-EM, Catalyst 9k and programmability) Assessment for the newly implementing customers.
* Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series, Access control lists, Configured Frame-Relay, ISDN, ATM, load balancing switches and configured IPX/SPX, HDLC, PPP, BGP, EIGRP, OSPF and VRRP on various sites. Implemented antivirus and web filtering on Juniper SRX 240 at the web server.
* Worked on NNMI, Infoblox, e-health monitoring tools.
* Performing testing, development and monitoring of network environments, which involves working on Cisco Catalyst switches, Nexus 5k/7k/9k switches, Cisco ISR/CSR routers, Cisco WLC, Aerohive Wireless controllers, Mimosa P2P Wireless APs, Palo Alto firewalls, Dell EMC switches, Riverbed WAN Accelerators, Solarwinds, Live Action, Splunk, Elk Stack.
* Setup simplified and traditional VPN communities, and Cisco Any connect
* Support customer with the configuration and maintenance of ASA firewall systems. Troubleshooting of protocol-based policies on Palo Alto firewalls and changing the policies as per the requirement and as per traffic flow.
* Experience with F5 load balancers and Cisco load balancers (CSM, ACE and GSS).
* 24x7 on-call escalation support as part of the security operations team.
* Working configuration of new VLANs and extension of existing VLANs on/to the necessary equipment to have connectivity between two different data centers.
* Managing and providing support to various project teams with regards to the addition of new equipment such as routers switches and firewalls to the DMZs.
* Troubleshooting any build issue with ELK and work towards the solution Participated in problem resolving, change, release, and event management for ELK stack. Using Ansible to Setup/teardown of ELK stack (ElasticSearch, Logstash, Kibana)

**Albertsons, Dublin CA August 2018- Dec 2019**

**Sr. Network Security Engineer**

* Designed and supported the consolidation of data centers utilizing Nexus 2K, 5K and 7K infrastructure.
* Involved in configuring and implementing of composite Network models consists of Cisco 5000,5500 series routers and Cisco 3200, 3500, 3550, 5000, 6500 Series switches.
* Configured Nexus 7010, 5020 and 2148, 2248 ToR(Top-Of-Rack) switches to connect servers downstream.
* Configured Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for Nexus 5000.
* Configured VPC, VDC, and VPC peer links with Cisco 7010 devices as leaf and Nexus 5020 devices as spine.
* Configured Fabricpath between leaf and spine switches to Connect non-Fabricpath supporting devices with VPC+.
* Upgraded Nexus 7010 devices with NX-OS 6.1 with parallel upgrades to the FEX devices and troubleshot any failure conditions.
* Responsible for packet filtering and dynamic packet filtering, application level proxies, and commercial firewall technologies including Akamai, Cisco ASA, Palo Alto, Fortinet, and Checkpoint.
* Provided remote support for partners on installation and configuration problems and issues related to SDA, DNAC, NDP, NaaS and NaaE.
* Planned and coordinated wired/wireless installations/augmentations/refreshes including wireless network design, utilization/capacity, involving configuration of Cisco and Aruba switches/wireless controllers and testing of Configurations, Security, Applications and clients across the wireless network.
* Updated and managed configuration of parameters for data center and servers using Python scripting.
* Configured rules and Maintained Palo Alto Firewalls & analyzed firewall logs using various tools and installed Palo Alto PA-3060 firewalls to protects Data Center and provided L3 support and Manage juniper vGW & (VMWare NSX) hosts micro – segmentation firewalls.
* Configured OSPF redistribution and authentication with type 3 LSA filtering to prevent LSA flooding and also configured OSPF over frame relay networks for NBMA and point to multipoint strategies.
* Experience in working with Network automation tools and testing for network change and configuration management.
* Managed and troubleshoot NET Cloud, Cradle Point and Aruba access points wireless devices on Citrix and Airwave. Aruba VPN, customer public and private wireless networks. Aruba mobility and Clearpass training.
* Assisted on URL web filtering migration from Blue Coat and Websense to Palo Alto firewalls. Problem resolution of leveraged and dedicated SIEM Environment.
* Implemented and deployed McAfee ePolicy Orchestrator (EPO) server as part of centralized Enterprise Antivirus/Antispyware management project.
* Working knowledge on LAN virtualization by VMware NSX and good understanding on vSphere and Citrix Xenserver.
* Experienced with setup, configuration and maintain ELK stack, Design build and manage the ELK and Skilled in monitoring servers using Nagios, Cloud watch and using ELK Stack Elasticsearch Fluentd Kibana
* Configure Amazon Web Services (AWS) F5 ASM to protect cloud applications.
* Configured features like iHealth monitors, iRules, Redundancy, SSL Termination, Persistence, SNATs on F5
* Work with Load Balancing team to build connectivity to production and disaster recovery servers through F5 Big IP LTM load balancers
* Citrix NetScaler deployment with SDX and VPX instances for the Data Center to load balance the traffic between INSIDE and DMZ networks
* Deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager, Aruba AirWave and cloud-based Aruba Central.
* Performed upgrading of load balancers from Citrix to F5 BigIP load balancer to improved functionality, reliability and scalability in the system.
* Experience with partners on installation and configuration problems and issues related to SDN-NFE, DNAC.
* Implemented various OSPF scenarios on networks. Configured policy based routing for BGP for complex network systems.
* Implement advanced Palo Alto Firewall features like URL filtering, User-ID, App-ID, Content-ID on both inbound and outbound traffic.
* Implemented l4/l7 services and network Micro segmentation using ASA, Palo alto virtual firewalls and integration with ACI fabric and Arista VXLAN fabric.
* Profound working knowledge of administration and management of Palo Alto firewalls using centralized Panorama M-100 and M-500 devices.
* Negotiate VPN tunnels using IPSec encryption standards and also configured and implemented site-to-site VPN, remote VPN.
* Worked with VM segmentation ( VMware NSX, Illumio, vArmour, GuardiCore), Firewall management and auditing (FireMon, Tufin, AlgoSec, RedSeal, Skybox, etc.)
* Used Cisco ACI (Application Centric Infrastructure) SDN architecture to reduce operating costs, automate IT tasks, for greater scalability and visibility in a data center environment.
* Worked close with Nexus 9K migration team in planning of Cisco Application Centric Infrastructure (ACI) implementation as a solution for data centers using a Spine and Leaf architecture.
* Tuned BGP internal and external peers with manipulation of attributes such as metric, origin and local preference.
* Worked on FTP, HTTP, DNS, DHCP servers in windows server-client environment with resource allocation to desired Virtual LANs in the network.

**Equifax, Alpharetta GA August 2016 – July 2018**

**Sr. Network Engineer**

* Work on Juniper series of Routers, Switches and Firewall devices such as MX-960, MX104, MX240, EX4200, EX4300, EX4550, EX8208, QFX5100 SRX branch/data center devices like SRX340, SRX550, SRX1500 and SRX3600 to implement new features that will be used in the production network.
* Experienced in providing a plan, designing and implementing the services for the enterprise class data center networks with leading technologies such as virtual port channel (VPC), virtual extensible LANs, Fabric path and Overlay Transport Virtualization (OTV).
* Configuring, managing, troubleshooting Cisco core switches like, but not limited to Nexus 7009 switch, Catalyst 4507, 2960 and 3750 switches.
* Worked on Vital QIP Management appliance to manage DNS/DHCP to reserve DNS entries and DHCP Scopes for both IPV6 and IPV4 end devices.
* Administering Microsoft Win2008 Migration, Microsoft Exchange 2003/2010 Migration, Win7 Migration, DNS/DHCP Deployments and Migrations, Symantec NAV Client/Server Deployment
* Fortinet Firewall Appliances, Access Points, Aruba switches Wireless, Cisco Wireless and unified communications, Cisco ASA and PIX Firewalls Checkpoint, and Palo Alto firewalls
* Knowledge on VOIP protocols like H.323, RTP, SIP and good understanding about VOIP devices. Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems
* Implementation and configuration of F5 Big-IP LTM-6400 load balancers
* Worked on data center segmentation project to create segmentation between the user and server traffic by deploying Palo Alto firewalls (5250s) in the datacenter including cabling to the Nexus 9K,7K VDCs and HA.
* Responsible for Cisco ASA firewall administration across our global networks and drafted, installed, and provisioned ASA and Checkpoint firewall rules and policies.
* Utilized Palo Alto firewall's Bot Report and Threat Analysis feature to detect and block cyber threats initiating from infected host machines attempting communications twith command and control internet servers.
* Configured and Implemented Cisco Identity Services Engine (ISE) with connectivity to Microsoft Active Directory for authentication including Certificate Based Authentication, Windows 2012 Certificate Authority.
* Use the data from Cisco ISE to trace out security violations in events of ransomware attacks.
* Create and implement access control lists (ACL’s) and policy maps, NAT translations, configuration and administration using Cisco ASDM, analyze Wireshark and Network Monitor captures from Cisco ASA firewalls for troubleshooting network level issues.
* Implement ITIL processes to proactively monitor and address network connectivity issues in order to reduce business impact while increasing network up-time along with network monitoring tools such as PRTG and Nimsoft.
* Setup VPN tunnels and migrate existing vendor VPN tunnels from Legacy Cisco ASA 5585 devices to SRX550 devices. Implement Next-gen Features with Juniper AppSecure Policy based enforcement for application traffic traversing the datacenters.
* Configured, installed and maintained juniper contrail SDWAN systems at customer offices, remote offices, and data centers.
* Configured, installed and maintained SDWAN systems at customer offices, remote offices, and data centers.
* Update customer networks by configuring routers, switches, and incorporate the SDWAN into the network design.
* Cisco devices refresh project administration and configurations deployment using the Cisco Prime Infrastructure Version 3.3 and the HP Network Automation.
* Implemented WLAN Aruba Wireless Access Points and its Controllers at various corporate sites fort 11n Infrastucture and its legacy technologies
* Check & troubleshoot VMware ESXi Host level connection issues with Cisco UCS fabric interconnects, Brocade switches, EMC VNX 5300, IBM Flash Storage 810 during storage vMotion/migration activities.
* Secure and maintain network and datacenter infrastructure documentation as it relates to system configuration, mapping, processes, and service records using Visio and SharePoint portal.
* Installed, configured Cisco Meraki equipment and web based monitoring platform
* Troubleshoot and fix intermittent disconnects on MS Outlook, Active Directory user account lockouts using Account Lockout Examiner, Microsoft Support and Recovery Assistant, Wireshark captures.
* Participated effectively in evidence of idea ventures execution which included storage and backup from private cloud providers Amazon AWS & Microsoft Azure

**NWN, Farmington CT July 2015 – July 2016**

**Security Support Engineer**

* Daily analyzed network traffic looking for trends and or malicious activities, created vulnerability report with action plans.
* Implemented IPSec Site-to-Site VPNs over the internet utilizing 3DES, AES/AES-256 with Cisco PIX and Cisco ASA Firewalls.
* Upgrading Radware Appwall WAF (Web application firewall) and fixing hot fixes and patches.
* Deployment and administration of Cisco routers and switches, upgrade and migration routers 4200,3600, 2800 and, Catalyst Switches 3750, Cisco NEXUS 5K/2K
* Migrating Cisco ASA firewall AnyConnect with secured VPN Users Group, including deployment of Two-Factor Authentication (LDAP+Soft Token) for VPN Clients
* Configured Security policies including NAT, PAT, VPN, route-maps and Access Control Lists.
* Responsible for installation and configuration of Cisco Catalyst switches 6500, 3750 & 3550 series and configuring OSPF, EIGRP, BGP with ACLs planned in Network Design Document following the ITSM change process.
* Responsible for L2 & L3 support of customer’s Network and Security Infrastructure devices.
* Configured port channel connectivity between core switches and server distribution switches connecting to storage devices.
* Implemented BGP features such as AS-override, Local preference, eBGP multipath load balancing.
* Working knowledge and hands on experience on Cisco GSR, Catalyst 6500, 7600/7200 series enterprise routers/switches while configuring RP.
* Deployed and supported Cisco Identity Services Engine (ISE) with the Cisco ASA 5500 series for VPN connectivity to endpoints in other regions across organization.
* Successfully migrated TACACS services from Cisco ACS to Cisco ISE.
* Perform DDOS Mitigation with Network layer Detection and mitigation devices including Verisign DDOS & Akamai Kona Security Solutions like Kona Site Defender.
* Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and Cisco ASA VPN experience
* Planed, scheduled & performed IOS upgrade on Cisco ASA 5505, 5512, 5516, 5520 firewalls that are located in the different global regions.
* Configured Cisco ISE for Wireless and Wired 802.1x Authentication on Cisco Wireless LAN Controllers, Catalyst Switches, and Cisco ASA Firewalls.
* Gained knowledge on VoIP and video communications, SIP Trunking, video streaming services.
* Deployed Aruba and Cisco Wireless controllers, Loading an SSL Certificate (GUI), SSL Certificate (CLI), Configuring 802.11 Bands, 802.11n Parameters, DHCP Proxy, SNMP, Aggressive Load Balancing, Fast SSID Changing, 802.3 Bridging, Enabling Mulitcast mode, IP- MAc Address Binding
* Troubleshoot and configured Aruba wireless access points.
* Installed Cisco Aironet access points and add them to Cisco wireless controller (5508), manage Aruba, Cisco wireless access controllers, troubleshooting LWAPP on Aruba wireless access points.
* Migrated legacy F5 LTM and GTM appliance to newer version appliances.
* Configured F5 GTM solutions, which includes WideIP, Pool Load Balancing Methods, probers and monitors.
* Maintain, install and upgrade/downgrade Cisco hardware including routers, switches, firewalls, and data center switches like Catalyst 3560/3750/6500’s, ASA 5505-5550 firewalls, and Cisco UCS 6100/B-series blade servers.
* Good understanding of Juniper Q-Fabric Operation & Design.
* Configured HSRP, VLAN Trunking 802.1Q encapsulation, VLAN Routing on Catalyst 6500 switches
* Learnt Scripting for automation of processes and few PowerShell commands for Windows Servers (2008, 2012), gained familiarity with other scripting languages like bash shell scripting, Perl, Python.
* Developed knowledge on VDC, VPC, LAPC, Peerkeepalive

**Tech Mahindra, India June 2012 – June 2015**

**Network Engineer**

* Worked with Cisco Catalyst 3500, 4500 switches and Cisco 2800, 3600, 3800 series and 2500, 3550 series Routers.
* Performed tasks that include Configuring and constant administration of Static routing, Default Routing & dynamic Routing Protocols.
* Configured new WAN links and monitored network performance
* Manage, Install, configure and troubleshoot **DHCP, DNS, TCP/IP, RAS, VPN**& **Linux**servers.
* Hands-on Experience in **VLAN and Inter-VLAN routing, redistribution, access-lists and dynamic NAT**.
* Worked to set up the TFTP server for backing up the IOS images and configuration files of Cisco Routers and Switches and troubleshooting the file servers.
* Performed network evaluations, troubleshooting a variety of network problems, and implementing various software and hardware upgrades.
* Involved in Network Designing, Routing, DNS, IP Subnetting, TCP/IP protocol.
* Troubleshoot Cisco hardware: Inspected devices, Read device LEDs, loose connections, cards, OS upgrade, switch configuration usage of Visual Switch Manager, Switch port configuration, Port monitoring.
* Identified and resolved VLAN, VTP, STP, RSTP and IP subnet issues using Ping, Trace route.
* Installed and configured LAN/WAN as per organizational / client requirements, governed by communication protocols
* Performed configuration of LAN\WAN technologies such as Ethernet, Fast Ethernet, & Gigabit Ethernet.