

Navaneeth A

Network Engineer

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PROFESSIONAL SUMMARY:

- **CCNA & CCNP** Network Security Certified Engineer with around **8+** years of experience in Designing, Implementation, Configuring, testing, troubleshooting, optimizing and maintaining Large Scale Enterprise data network and Service provider systems.
- Experience in Cisco Physical cabling, IP addressing, Wide Area Network configurations (**Frame-relay & MPLS**), Routing protocol configurations (**RIP, EIGRP, OSPF, and BGP**).
- Extensive work experience with **Cisco Routers, Cisco Switches, F5 Load Balancers** and **ASA & Palo Alto** Firewalls.
- Worked on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.
- Experience in configuring, troubleshooting and maintaining Cisco routers: 2500, 2600, 3600, 3700, 3800, 7200 series, **Nexus 2k, 4k, 5k, 7k, 9k, ISR, ASR 1k**, Catalyst Cisco Switches: 2900, 3750, 3850, 4500, 6500 series and Firewall: ASA
- 5500 Series, **Palo Alto** 500, 2000, 5000 Series, **FortiGate** firewalls, **Meraki** firewall @ **Aruba** Wireless Devices.
- Cisco ASA and FWSM, **Fortinet FortiGate**; F5 AFM, A10 WAF, IDS/IPS systems, and general knowledge of security features and protocols.
- Excellent knowledge on **Routing protocols** IPv4 - Static, RIP, IGRP, EIGRP, OSPF, BGP (iBGP & eBGP) and IPv6 - RIPng, EIGRP for IP v6, OSPF v3.
- Experience with designing, deploying and troubleshooting LAN, WAN, Frame-Relay, Ether-channel, IP Routing Protocols - (**RIPV2, OSPF, EIGRP & BGP**), BGP Peering, **ACL's, NAT, VLAN, STP, VTP**.
- Involved in the configuring, maintaining **BIG IP F5 load balancer** LTM, GTM & ASM.
- Installation, advanced configuration and troubleshooting of Cisco and F5's load balancing devices.
- Provide hands on management of Data Center services, including rack and cable management Experienced in the evaluation, testing, configuration and implementation of Palo Alto firewall security solutions across enterprise networks. Experience also includes working with other vendor firewalls like Cisco's ASA Firewall, Checkpoint Firewall and the **Fortinet Firewall**
- Proficient in configuring routers and switches and monitoring the global network including LAN, MAN & WAN.
- Experience in configuring and troubleshooting issues with **Cisco Prime, Cisco ISE** (Identity Services Engine) and **SDN**. (Software Defined Networking).
- Excellent knowledge on Switching technologies – **VLAN & VTP** (Inter-VLAN Routing), Trunking (dot1q & ISL), STP, layer.
- 2 and layer 3 forwarding, TCP/IP, Ether channel, 802.1Q, Spanning-Tree, Metro Ethernet, Ether Channel, CDP, **Stacking**, IP
- Provide L3 support for checkpoint and Palo Alto firewalls.
- Schema, Port Maps, Network Access Control Systems.

- Successfully installed Palo Alto PA-3060 firewall to protect data center and provides L3 support for routers/switches/firewall.
- Managed Configuration, Logging and Reporting of Palo Alto firewall through the Panorama.
- Managed URL filtering, File blocking, Data filtering by Palo Alto firewall, Barracuda NG Firewalls.
- Hands on experience with telnet, vlan and other configuration and deploying the same into multiple networking devices like routers, switches and firewalls.
- Configuring and troubleshooting security technologies like **ACL** (Standard & Extended), **NAT** (Static, Dynamic), PAT, **GRE** Tunnels, **VPN (IP-Sec, SSL, Site to Site)**, Network Access Control (NAC), **AAA TACACS & RADIUS** servers, **Cisco Secure ACS**, BIG-IP F5 Load Balancer LTM 6400, **ASA 5500 Series, Palo Alto Firewall**.
- Migrated from all the other firewalls to the **NexGen Palo Alto** firewall series like **3050** and **5020** series.
- Involved in Threat Prevention, URL Filtering, Malware analysis and global protection.
- Configured **ASA 5520** Firewall to support Cisco VPN Client on Windows 7/XP/Vista & Windows 10.
- Responsible for Cisco ASA firewall administration across our global networks.
- Provided administration and support on **Bluecoat and WSA Proxy** for content filtering and internet access between site and VPN client users.
- Hands on experience on Up-gradation of Cisco IOS (**IOS RX & NX OS**) of different Cisco devices & modules.
- Implemented redundancy with **HSRP, VRRP, GLBP**, Ether channel technology (**LACP, PAgP**) etc.
- Expertise in configuration of routing protocols and deployment of OSPF, EIGRP, BGP and policy routing over Cisco routers, **Route-Filters, Prefix-List, Distribute-List, Route-Maps**.
- Sound knowledge on PBX (Private Branch Exchange), SIP trunk's and Avaya VoIP installations.
- Migrated from all the other firewalls to the **NexGen Palo Alto** firewall series like **3050** and **5020** series.
- Involved in Threat Prevention, URL Filtering, Malware analysis and global protection.
- Sound knowledge on **DMVPN, MPLS technology L3 VPN, GoS Services**, Bluecoat packet shaper, Cisco Secure Access Control Server (**ACS**), OpenDNS, **IPS/IDS**, Cisco Security Appliance.
- Experience in adding Rules, **URL Filtering**, Identity Awareness, End-Point Security, Licensing, Application Control & policy provisioning and monitoring **Checkpoint** Firewall (4000, 5100, and 5200) traffic through Smart Dashboard, Smart View Tracker applications.
- Provisioned Checkpoint firewalls integrated with an **AWS** environment.
- Implemented **AWS** networking services Amazon VPC for the Private/Public Cloud, EC2 instances, IAM, and S3.
- Experienced in Cisco Identity Service Engine (**ISE**) Devices 3350, 3300.
- Efficient designing of IP Addressing Scenario using **IPAM** (IP address management), VLSM and Sub netting.
- Configuring and troubleshooting Network Backups through **TFTP**, Password Recovery, Logging Synchronous, **NTP** Configurations, Route filtering, **Re-distribution**, Offset List, Leak Map, **Avaya VoIP Phones**. Sound knowledge on
- Wireless Network, 802.11 (B, G, N &A) frequencies, Radio Frequencies. Wireless Security.

- Configuring and troubleshooting with Networking tools such as **Solar Winds Tool**, Net Flow Analyzer, Nagios, Packet Sniffer, **Wireshark**, MS Visio, Outlook and Office (PowerPoint, Word, Excel).
- Deep understanding of server configuration, **RAID** configuration, Active directory, server installation, windows OS 2008, windows OS 2013, **ADS, DNS, DHCP, DHCP Relay, WDS**, handling authorization and permissions.

TECHNICAL SKILLS:

Cisco Platform	Nexus 9k, 7K, 5K, 2K & 1K, Cisco routers (7600,7200, 3900, 3600, 2800,2600, 2500, 1800 series) ISR routers, ASR 1k series & Cisco Catalyst switches (7000, 6500, 4900, 3750, 3500, 4500, 2900 series), IOS RX & NX OS
Juniper Platform	SRX, MX, EX Series Routers and Switches
Networking Concepts	Access-lists, Routing, Switching, Security, Subnetting, Designing, Maintaining, Monitoring, CSU/DSU, VLAN, IPsec VPN, WEP, WAP, MPLS, VoIP, Bluetooth, Wi-Fi.
Firewall & Security	ASA Firewall (5505/5510), Palo Alto, Check Point Firewall, FortiGate Firewalls Firewall.
Networking Tools	Solar Winds Orion, Net Flow Analyzer NPM Tool, SNMP, Cisco Works, Cisco Prime, Cisco ISE, SDN, Symantec Backup Server, Nagios, Wireshark, Packet Sniffer, Microsoft Visio, Microsoft Excel, Microsoft Project
Load Balancers	Cisco CSM, F5 Load Balancer (Big-IP)
Wan Technologies	IPv4 – RIP (v2), EIGRP, OSPF, BGP, IPv6- Frame-Relay, ISDN, ATM, MPLS, Leased Lines & exposure to PPP, HDLC and CSU/DSU, TI/T3Links & SONET.
Lan Technologies	Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port-channel, 802.1Q, Sub-netting, Super-netting, Ethernet, Fast-Ethernet, Giga-byte Ethernet, Fiber- optics, Port-Channel, VLAN's, VTP's, DTP, STP, KVM Switches, FLSM, VLSM, Login Password encryption, CDP, LLDP.
Security Protocols	NAT, PAT, ACL, Port-Security, VPN (IP-Sec, Site- site, Remote Site), AAA (TACACS+ & RADIUS), SYSLOG, BIG IP Load Balancer LTM, GTM, IKE, ESP, IPSEC, Site to Site, RA VPN, SSL-VPN
Networking Protocols	RIP, OSPF, EIGRP, BGP, STP, RSTP, VLANs, VTP, PAGP, LACP, MPLS, HSRP, VRRP, GLBP, TACACS+, Radius, AAA

Education &Certifications:

- **Cisco Certified Network Professional-(CCNP)**
- **Cisco Certified Network Associate-(CCNA)**
- **Diploma in ECE from Arulmigu Kalasalingam Polytechnic College, Tamilnadu, India**

PROFESSIONAL EXPERIENCE:

Client: Thomson Reuters, Eagan, MN

July 2018 - Till Date

Role: Network Engineer

Responsibilities:

- Deployed and maintained security/network devices and data centers for Service provider network.
- Experience with Installing and troubleshooting Data center migration with 24/7 support.
- Involved in the configuration & troubleshooting routing protocols like MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, and MPLS.
- Provide oversight, direction, engineering, and design of data networking for enterprise load balancing.
- Manage various Security platforms; Juniper, Cisco ASA, Next-Gen, Check Point, Microsoft Azure, AWS Cloud and Fortinet Firewalls.
- Provide subject matter expertise in Cisco Routing, Switching, Security and Load balancing.
- Troubleshooting problems with applications, network and security infrastructure, including routers, switches, firewalls, VPN appliances, proxy servers, DNS appliances and Wireless devices.
- Configured and Created wireless sites using the Cisco Meraki System dashboard.
- Implemented site to site VPN on Cisco Meraki MX64, MX65, MC84, and MX400. Implementing Cisco Meraki Wireless network.
- Deployed and managed Cisco Meraki products SD-WAN including Cisco Meraki Security Appliances (MX25, MX450, MX400, MX600 and MX100), Cisco Meraki switches and Cisco Meraki Wireless Aps (MR84, MR74, MR52).
- Managed Configuration, Logging and Reporting of Palo Alto firewall through the Panorama.
- Hands on experience with Cisco switches (6500, 3750, etc) and Cisco routers (7200, 2900, 2800, etc.). Fortinet firewalls (30D - 300E), SD- WAN technology (VeloCloud), 4G hardware.
- Produce design documentation and MS Visio drawings.
- Created all required technical documentation in accordance with Huntington's Change Control and project management processes and procedures.
- Performing administrative tasks with Palo Alto Networks (Panorama) including Security, NAT policy definitions; application filtering; Regional based rules; URL filtering, Data filtering, file blocking, User based policies.
- Researching and implemented new data network technologies like Cisco NGFW/Sourcefire, Palo Alto NGFW and Proxy/Content filtering, ACI (Application Centric Infrastructure).
- Refreshed Cisco ASA Firewalls from 5540 to 5545-X and Migrated Cisco ASA Firewall to Palo Alto while Data Center Migration, Refreshed VPN Test Environment for Cisco ISE Testing, Migrated Multiple Cisco Nexus 93180 NX-OS to ACI Platform.
- Migrated Internet, VPN, Business Partner and WEB Presence DMZ Containers from Old DC to NGDC with required Network Performance Upgrade which includes Migrating Cisco 6508 to Nexus 7710 Multi VDCs, Upgrading ASA Firewalls, migrating few Palo Altos, WAS Proxy upgrade and Created Network Design MS Visio for Physical and Logical Representation of each Environments.

- Successfully installed Palo Alto PA-3060 firewall then configured and troubleshot using CLI and worked with Panorama management tool to manage all Palo Alto firewall and network from central location.
- Worked with Palo Alto firewalls using Panorama servers, performing changes to monitor/block/allow the traffic on the firewall.
- Experience with devices Palo Alto Network firewalls such as security NAT, Threat prevention URL filtering.
- Good understanding with network based F5 Load balancers with software module & Checkpoint.
- Used the panorama interface to control the Palo Alto firewall's centrally.
- Experience in setting up the feature of Palo Alto 5020 to enabling security measures like Site to Site VPN's, Dynamic Access List, Fraudulence entries, Monitoring Nodes.
- Worked extensively on Checkpoint firewalls for analyzing firewall change requests and implementing changes into existing firewall policies, maintaining security standards
- Troubleshooting complex Checkpoint issues, Site-to-Site VPN related. Performed upgrades for all IP series firewalls from R75-R77.
- Migrated the rules from Checkpoint firewalls to ASA firewalls
- Refreshed Data Center Core Switches from N7010 to N7710.
- Provide after-hours on-call support on a recurring basis.
- Configured and deployed VDC and VPC between Nexus 7710 and Nexus 5548 switches along with FEX 2248. Have a good understanding of Fabric Path
- Deploying and decommissioning the VLANs on core ASR 9K, Nexus 7K, 5K and its downstream devices.
- Creating object, groups, updating access-lists on Check Point Firewall, apply static, hide NAT using smart dashboards.
- Responsible for Designing & Implementations of Data Center /ACI solutions/ Virtualization solutions like EAP using Cisco ACI, Nexus 9k/7k/5k/2k/1k.Design Cisco Data Center /Application Rollouts with ACE, FWSM, & ASA.
- Worked on Cisco's Application Centric Infrastructure (ACI) implementation (Nexus 9K, APIC) and Created Tenants, Bridge Domains, EPGs, Contracts, Leaf Profiles, Interface Profiles.
- Creating Network Design in MS-Visio for new servers, application to be placed into multiple Datacenter.
- Designing and Configuration of Multi-Context Transparent/Routed Clusters of ASAs (Cisco 5555x, 5585) in manufacturing and data center environment.
- Responsible for routine firewall permission rules configuration, troubleshooting using packet captures and packet tracer through CLI, ASDM and CSM.
- Firewall traffic flow Investigation and Remediation task through regular expression strings on SPLUNK 6.5.3.
- Configuring Web security access policies, Identity Profiles, Allowed/Block Domains List, CLI packet logs on 12 Web Security Appliances S680 (WSA - 9.1.2-022 GD) through M680 SMA - 10.1.0-052 MD, Configuration Master 9.0.
- Responsible for providing support for Cisco AnyConnect, Employee/Contractor Remote Access VPN process, RSA token generation process.
- Built up HLD/LLD for the project and configure Cisco 5555x ASAs for Certificate-based authentication with Group Policies. Configuring Authorization Profiles, DACLs in ISE for Contractor VPN access restrictions
- Installing security firmware updates on EC2, EBS, and S3 host devices on the AWS network.
- Handling and responding to "rackdown" incident for more than 200,000 devices is an Amazon AWS clusters.

- Deploy and support network load balancers, such as F5 LTM/GTM and configuration (Profiles, I Rules) of F5 Big-IP LTM-6400 load balancers
- Secure authentication, redundancy and troubleshooting issues on BIG-IP LTM, ASM, APM and edit policies on F5 network access control.

Environment: Cisco Nexus 9k,7k,5k; Cisco Catalyst switches 7000, 6500, 4500, 2950; Cisco ACI, APIC, Cisco IronPort WSA (Web security), Routing Protocols OSPF, BGP; STP, VTP, VLAN, VPC, PC; VPN, MPLS, HSRP, GLBP, Big-IP F5 Load Balancer, Cisco Works; MS Visio, Checkpoint, Cisco ASA, Palo Alto, Cisco CML, SMA, CSM, ASDM, AlgoSec, FireFlow, Cisco AnyConnect, AWS.

C Spire, Jackson, MS

Jan'17 - June'18

Role: Network Engineer

Responsibilities:

- Working on Nationwide Site WAN Transformation from Cisco 2821 Router to Cisco 4321, 4431, 4451 and ASR 1000 routers, including Visio Network Design, NEWO, Configuration changes, Routing Redistribution.
- Creating Network Design in MS-Visio for new servers, application to be placed into multiple Datacenter.
- Involved in the configuration & troubleshooting routing protocols like MP-BGP, OSPF, EIGRP, RIP, BGP v4, and MPLS
- Configuring DMVPN tunnels on routers 2800,4300, 4400 and ASR
- Monitoring traffic on the circuits using NDC Flex Netflow monitor tool and SNMP.
- Configuring MPLS on all the WAN circuits.
- Configuring zone-based firewalls for security.
- Configured Palo Alto firewall with business required rules and policies. Optimize existing policies to improve security and performance. Identify and remove security policies that are not no longer needed to reduce Fortinet and Palo Alto Firewall policy lookup.
- Creating route-maps and prefix-lists to advertise the routes over the network.
- Configuring policy-map and class-map for queuing the traffic. and maintain OoS
- Working on network design for new next-generation VPN solution, migration from Checkpoint VPN to Pulse Secure VPN from network prospect.
- Experience supporting or testing LANs, VLANs, WLANs, VPNs, NAT devices, &/or DHCP servers.
- Working on Cisco 6509 and 4507 series switches for LAN requirements that include managing VLANs, Port Security and troubleshooting LAN issues.
- Implementation of various protocols like RIP, OSPF, BGP, and STP.
- Experience in troubleshooting complex data center environments. Performing analysis and diagnosis of highly complex networking problems in the Data Center environment.
- Expert in configuring Cisco Routers, Catalyst Switches, Nexus Switches.
- Worked extensively with ASR 9K(9010 9922), Nexus 7000, 5000, 2000, Cisco 6500 series multilayer switches, Cisco 2960s series switches and Cisco 3560/3750s switches.
- Implementing FW rules using Firemon- Policy Planner.
- Responsible for Checkpoint firewall management and operations across our global networks.
- Implementing and managing Checkpoint Provider 1.0 Scalable security management for multi-domain environments

- Design and implement Wireless Intrusion Prevention Systems (WIPS) to enforce security policies
- Installing Cisco Wireless Controllers and Wireless Access Points.
- Install and upgrade Cisco Wireless LAN equipment including but not limited to 1100, 1200, 1300 and 3500 series Access Points; 4400 and 5500 series Wireless LAN controllers; 6500 & 3750 Core switch routers; 2960, 3560 & 3750 series switches.
- Monitor and troubleshoot BGP, EIGRP, TI circuits, and cellular backup circuits via ICMP and SNMP ticketing systems.
- Working on Cisco 6509 and 4507 series switches for LAN requirements that include managing VLANs, Port Security and troubleshooting LAN issues.
- Implemented Zone-Based Firewalling and Security Rules on the Palo Alto Firewall. Configuration and providing management support for Palo Alto and Checkpoint Firewalls (R75, R76, and R77).
- Configure, Support, update and install Checkpoint, Firemon systems. Provide monitoring of all Checkpoint firewalls and their logs/traffic
- Worked extensively on device profiling, authentication and authorization mechanisms using AAA, RADIUS, 802.1X, Policy buildups for Posture Compliance Policies and Rules for checking the devices coming onto Network, Remediation Process, Access and Controls, and Segmenting the Global Networks for NAC Solutions for both Cisco and Forescout NAC Appliances
- Expertise in networking technologies like LAN, MAN, WAN and peripheral devices.
- Develop Engineering Documentations to record F5 environment and change processes LTM/GTM/iRules.

Environment: Cisco routers 7200; Cisco Catalyst switches 6500, 4500, 2950; Cisco PIX Firewalls 535, 525 Routing Protocols OSPF, BGP; STP, VTP, VLAN; VPN, MPLS, HSRP, GLBP, Big-IP F5 Load Balancer, Cisco Works; MS Visio, Checkpoint, Cisco ASA and Palo Alto firewalls, Blue Coat Proxy.

Client: Gain Capital, Bedminster, NJ

Nov'15 – Dec'16

Role: Network Engineer

Responsibilities:

- Configuring Static, IGRP, EIGRP, and OSPF Routing Protocols on Cisco 1600, 2600, 2800, 3600, 7300 series Routers and different Firewall Vendors.
- Worked with multiple clients of CenturyLink such as Telecom, Financial (Banking and Insurance), Restaurants, Retail and Manufacturing Clients to support offices, campuses, warehouses and distribution centers and building up their network from scratch, including designing, installations, configurations and troubleshooting of their network.
- Configured Site to Site IPsec VPN tunnels to peer with different clients and each of client having different specifications of Phase 1 and Phase 2 policies using Cisco ASA 5500 series firewalls.
- Configured Easy VPN server and SSL VPN to facilitate various employees' access internal servers and resources with access restrictions.
- Design Cisco, Meraki, and Aruba WLAN/WiFi infrastructures.
- Configured Aruba access points troubleshoot connectivity issues with Aruba access points. Prepared wireless survey reports, reports documenting completed projects and AP placement maps.
- Controller base Wi-Fi Networking with Meraki (Cloud Controller).

- Design and implement Wireless Intrusion Prevention Systems (WIPS) to enforce security policies
- Installing Cisco Wireless Controllers and Wireless Access Points.
- Install and upgrade Cisco Wireless LAN equipment including but not limited to: 1100, 1200, 1300 and 3500 series Access Points; 4400 and 5500 series Wireless LAN controllers; 6500 & 3750 Core switch routers; 2960, 3560 & 3750 series switches.
- Assisted development teams on architecting web interfaces and infrastructures that safely and efficiently power the cloud environment.
- Work with Relay Engineers to provide IT support, for server-based software, firewall request, Citrix access, and software configurations.
- Responsible for entire company network infrastructure that includes Cisco Switches, Routers, Firewalls, Access Points, Servers, and PBX.
- Configuration and troubleshooting of Cisco 2500, 2600, 3000, 6500, 7500, 7200 Series routers and Cisco ASR 9K routers
- Hands on experience in implementation and deploying BIG-IP F5 LTM load balancers for load balancing and network traffic management for business applications.
- Configured VLAN's, Private VLAN's.
- Subject Matter Expert for juniper Routing, Switching, Security, and VPN Systems.
- Configure various LAN switches such as CISCO CAT 2900, 3550, 4500, 6509 switches and Access layer switches such as Cisco 4510, 4948, 4507 switches for VLAN, Fast Ether Channel configuration.
- Designed and Implemented Firewalls, F5Viprion deployments to Frontend and DMZ customers
- Measure the application performances across the MPLS cloud through various routing and switching methods.
- Hand on experience the configuration and implementation of various Cisco Routers and L2 Switches.
- Experience in migration of VLANS & Configured VLANs with 802.1q tagging, Ether channels, and Spanning tree for creating Access/distribution and core layer switching.
- Installed and configured DNS, DHCP. Responsible for creating and configuring FORWARD LOOKUP ZONE AND REVERSE LOOKUP ZONE
- Experience working with Nexus 7010, 5020, 2148, 2248 devices.
- Redistributed required routes from OSPF into BGP. OSPF cloud is present in the US and is connected to all our customers over Sprint's Frame Relay backbone
- Managed Plan of Record with PLMs/SE/Sales/Marketing and followed up and monitor product lines of the Juniper routing/switching/security portfolio (MX, PTX, EX, SRX)
- Proficient with F5 LTM and Cisco CSM load balancer in-between the servers inside the server farm and DMZ.
- Configured EBGp load balancing and ensured stability of BGP peering interfaces
- Implemented site to site VPN in Juniper SRX as per customer Worked on Route-Reflectors to troubleshoot BGP issues related to customer route prefixes also route filtering using Route-maps.
- Managing and configuring 4 juniper & Pulse SSL VPN appliances (SA-4500 & 4000) for TSNA and ATS customers
- Deployed BIG-IP Enterprise manager to cluster all the F5 LTM, GTM, ASA, Netscreen devices for easier management and common configurations.
- Involved in the migration of F5 Local traffic managers of LTM 5100 series to LTM 6800 series for higher.
- Extensive use of NSM (Network and Security Manager) and CSM (Cisco Security Manager) for adding or modifying firewall policies for the firewalls in use.

- Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution.
- Mapped, Network Diagrams and physical identification in MS Visio.
- Performed IOS upgrades on Cisco routers and switches
- Worked with engineering team to resolve tickets and troubleshoot L3/L2 problems efficiently.
- Configured Cisco 2800, 3800 routers and 3750, 4500, 6500 switches as part of the implementation plan.

Environment: Cisco 2348/3560/4500/3750/3550/2960/6500 switches and Cisco 3640/1200/7200 /3845 /3600/2800 routers, Cisco ASA 500, Checkpoint, windows server 2003/2008: F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP.

Client: Lancaster General Health, Brownstown, PA

Sep'14 – Oct'15

Role: Network Engineer

Responsibilities:

- Day-to-Day work involves scheduling firewall policy provisioning and working with users to identify connectivity related issues and troubleshoot using both Smart Utilities and CLI.
- Managing and administering Juniper SRX and Checkpoint Firewalls at various zones including DMZ, Extranet (Various Business Partners) and ASZ and internal.
- Worked with site-to-site large-scale network deployment and troubleshooting issues with the entire sites involved.
- Implementing Security Solutions in Juniper SRX and NetScreen SSG firewalls by using NSM.
- Juniper Firewall Policy management using NSM and Screen OS CLI.
- Daily technical hands-on experience in the configuration, troubleshooting of Juniper SRX firewalls as well as experience working directly with the customer in a service/support environment.
- Troubleshooting Firewall Connectivity related issues using Smart view tracker on Checkpoint, NSM Log viewer for Juniper Firewalls.
- Install, configure, manage and troubleshoot Cisco Sourcefire IPS appliances and Defense Center.
- Creating and provisioning Juniper SRX firewall policies.
- Worked with JUNOS OS on Juniper Routers and Switches.
- Experience on ASA firewall upgrades to 9.x.
- Websense Web Security Gateway Installation, Upgrade & Configuration 8.4
- Worked on configuration, maintenance, and administration of Palo Alto PA3000 Firewalls and migrating customers from Cisco ASA to Palo Alto in HA network.
- Configuring rules and Maintaining Palo Alto Firewalls& Analysis of firewall logs using various tools.
- Understand the flow of traffic through the Check Point Security gateway cluster and troubleshoot connectivity issues using advanced troubleshooting from Command Line Utilities.
- Successfully installed Palo Alto PA-3060 firewalls to protect Data Center and provided L3 support for routers/switches/firewalls.
- Configuring and deploying Cisco ASA 5505; Cisco 594/294; I500 web sense manager at customer locations with minimum downtime possible.
- Active/Standby and Active/Active HA configuration on Cisco ASA Firewalls.

- Configuring rules and maintaining Palo Alto firewalls and analysis of firewall logs using various tools.
- Work with Software Distribution teams to develop and execute Custom Prop for Endpoint systems
- Manage and monitor security rules and policies for Endpoint Protection
- Understand different types of NAT on Cisco ASA firewalls and apply them.
- Configuration, operation, and troubleshooting of BGP, OSPF, EIGRP, RIP, VPN routing protocol in Cisco Routers & L3 Switches.
- Configured MPLS L3 and L2 VPNs for customers.
- FWSM configurations in single/multiple contexts with routed and transparent modes.

Environment: Juniper routers and switches, Cisco routers 7200; Cisco Catalyst switches 6500, 4500, 2950; Big-IP F5 Load Balancer, Cisco Works; MS Visio, Checkpoint, Cisco ASA and Palo Alto firewalls, Blue Coat Proxy, Cisco PIX Firewalls 535, 525 Routing Protocols OSPF, BGP, STP, VTP, VLAN, VPN, MPLS, HSRP, GLBP.

Client: Cyber Info Systems, India

May'2011 – June'2014

Role: Network Engineer

Responsibilities:

- Responsible for troubleshooting complex problems related to the Internet and network interface cards.
- Responsible for initiating the complete recovery and troubleshoot complex issue of hardware and software including internet issues.
- Sound knowledge in routing protocols like Rip, EIGRP, OSPF in IPv4 & IPv6.
- Involved in sales of HP products and services and maintain Customer satisfactory records.
- Troubleshooting modular routers of D-Link, Linksys.
- Involved in IP Quality of Service (QoS) implementation including Priority and Class-Based Weighted.
- Experience with Cisco 3500, 6500 series equipment and configuring and deploying.
- From the scratch and fixing those with various modules like Gig card, VPN SPA Card, T1-WIC card and other modules.
- Experience in deploying EIGRP/BGP redistribution and the changing the metrics for the primary and backup Paths for the packet prioritization and EIGRP tuning.
- Involved in designing data communications and networks utilizing that utilize a mixture of frame relay, Point to point T1, T3 & OC3 lines.
- Involved in designing and applying QOS to 2600 series routers for all the branches.
- Worked on Riverbed devices for WAN bandwidth Optimization in the data centers for the sensitive marked data applications.
- Experience on designing and troubleshooting of complex BGP and OSPF routing problems.
- Experienced in SYSLOG analysis & Proxy servers.
- Experience with connectivity of Cisco Networking Equipment with F5 Load Balancer.
- Expert level understanding with F5 component to provide high availability with providing services across data centers.
- Involved in configuring the ASA Firewall for the safety of the corporate network.

- Involved in deploying network objects, port object, and service object and inculcate them into the ACL's.

Environment: HSRP, OSPF, RIP, EIGRP, OSPF, VLAN, VTP, Cisco Routers (2500, 3000, 4000), Cisco Switches (2960, 3560), ACL, Syslog, Proxy Servers, MS Windows, MS Word, MS Excel.