**Mohsin Ali Qureshi Mohammed**

**Sr. Network Engineer  
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**PROFESSIONAL SUMMARY:**

* **CCNA, CCNP Certified professional with 9+ years of experience with networking installations,** Configurations testing, troubleshooting, implementing, optimizing, maintaining enterprise data network and service providersystems.
* Worked on Cisco Nexus 9000 family of switches whose hardware is based on CiscoACI.
* ExperiencewithworkingonlatestciscoswitcheslikeNexus2000,5000,6000and7000seriesswitches while implementing advanced features like VDC, VPC, OTV and FabricPath.
* Well versed in ACI technology, starting from Fabric discovery to end data centerdeployment.
* Designed, configured, and integrated 9504 and 9372 switches into data center environment and Implemented OTV in multicastenvironment.
* Configured Access policies, static bindings, EPG's, Bridge Domain andVRF.
* WorkedonconnectionshandoffusingBridgedInterfacetoanExternalRoute.L3 -EPGconfigurations, AEP configurations and Expert in GUI ofACI.
* Trained new employees on how to bring up the ACI fabric and Basic configurations of Tenants/BDs/EPGs Networking and OOB Management configurations of Leaf/SpineSwitches.
* Configured the tenets, VRF's and EPGs in ACI APICcluster.
* HandsonexperienceinconfiguringCiscoNexus2232,2248,5548,6001and7018(Sup2E)andworked on nexus protocols VPC, VRF, VDC and FEX Links.
* Worked on troubleshooting port issues regarding QSFP, CRC errors, Cable replacements inProduction environment.
* Provide technical support on Nexus 2000/9000 switches and operating systems (NX-OS) create vPC domain, design single sided vPC, design double sided vPC, design vPC peer-keepalive, vPC peer-link, vPC memberports.
* Experience configuring VPC, VDC and ISSU software upgrade in Nexus7010.
* Deployed the Nexus 9000 Application Virtual switch to support network telemetry applications and 9000 Core with VPC and 3172TOR.
* Configured ACI integration with VMware and Worked on integrating existing Layer 2 and Layer-3 networks withACI.
* Configure EPG, update APIC, implement access and fabric policies in Cisco ACIenvironment.
* Worked on Bridge Domains ,VXLANs, VTEPS, VNID .Configuration of routing using BGPamong multiple Leaf to spines witches. Thorough understanding of Application Profile, Tenants, End Point Group,Inter Subnet Tenant Routing, Routing within Tenants, Router Peering andRedistribution.
* Worked on Migration project from traditional Data Centre Architecture to SpineLeaf.
* Hands on Experience in configuring and troubleshooting Cisco routers, WIFI wireless Controller, Cisco catalyst, Nexus switches, Citrix net scalar, ASA, Palo Alto Next generation, and Firepower Threat Défense FTD Next generation CiscoFirewalls.
* Manage and monitor multiple commercial-sourcing agreements such as Master Service agreement (MSA), Statement of work (SOW) and 120+ service level agreements(SLA).
* Installation of Windows 2003 enterprise and standard editions, R2, Windows 2000 standard and advanced servereditions.
* Experienced in DHCP, DNS, NIS, SMTP, IMAP, ODBC, FTP, TCP/IP, LAN, WAN, LADP, security management and system troubleshooting skills.
* Proficiently implemented traffic filters using Standard and Extended access-lists, Distribute-Lists, Route Maps, and route manipulation usingOffset-list.
* Access control server configuration for RADIUS andTACACS+.
* Experience with Network security, Routing andSwitching.
* Experienced in python and ansible script to automate to configure the network devices for last two projects infrastructure-as-code.
* Experienced in Design of network Security using Palo alto and ASA Firewall for Data center from past 9years.
* Experience in implementing network security using NAT, PAT, ACL, IDS, IPS and ASAfirewalls.
* Developed Merge jobs in GitLab for Ansible script to automate and find the delta between Production and Test devices.
* Experience with Firewall migrations from Cisco ASA to CiscoFirepower.
* Experience on working with Wireless enterprise (Cisco &Aruba).
* Configured VPC and Fabric Extender on NexusSwitches.
* Extensive knowledge on configuring and troubleshooting STP, PVST, RSTP, MSTP, VLAN, Inter-VLAN routing, Trunking (802.1q & ISL), Port channels (LACP &PAgP).
* Experienced in working on network monitoring tools like SolarWinds, Nagios, NetFlow, Sniffing tools like Wireshark andTCP dump.
* CreateddifferentapplicationpoliciesintheACIincludingTenants,ApplicationNetworkProfile(ANP),EndPoint Group (EPG), Contracts, Filters &Labels.
* Worked in for the NextGen Data center Cloud Architecture, using Cisco ACI and Nexus9K.
* Configured ACI Policies, Tenants, Bridge Domain, Private Networks, Contracts andFilters.
* Integrated of layer 4 - 7 services (ASA) withACI.
* Upgrade IOS and configure routers and switches according todocumentation.
* Deployed ACI Greenfield and Migrated from Legacy network. Kubernetes Docker integration.
* Provided AWS Hybrid solution to our client.
* Fabric Access Policy include to create switch policies, interface policies, AEPs, Physical and External Domains.
* Expert in performing deep packet analysis to troubleshoot network and application issues using Wires hark.
* Experience with design and implementation of Data center migration and ACI.
* Strong understanding of current and future technologies including TCP/IP, IPv4/v6, RIP, EIGRP, OSPF, BGP, Frame Relay, ACL, VPN, Wireless LAN, and configuration of VLANs.
* Strongcommunicator:abletointeracteffectivelyandpositivelywithindividualsofalltechnicalabilities;AnOut- of-the-Box Thinker, believe in Teamwork & Team Spirit, Decision Maker, Proactive, Customer Focused & Good Documentation / Presentation Skills.

**CERTIFICATIONS:**

* **Cisco CCNA**
* **Cisco CCNP**

**PROFESSIONAL EXPERIENCE**

**Client: AAA INSURANCE, OCT-2021 – Till Date**

**Role: Sr. Network Engineer**

**Location: Walnut Creek, CA (HEADQUARTERS)**

**Projects worked on:**

**Performed Upgrade of Branch network:**

**Description:** I was assigned to get the 140-branch network hardware refreshed with Palo Alto firewalls and Cisco switches. We removed the old 2960 switches and installed the firewall 440 with SDWAN and Cisco switches 9200 Model. The internet service was decentralized and was moved to the local branch. Configure the IPsec VPN in the legacy branch firewall for backup path and MPLS for primary. Configured Firewall policy to restrict the branch access to data center application and Internet.

**Managed the Data center Hardware:**

**Description:** I was assigned to get the application moved from traditional layout to ACI environment. Created the firewall policy on Palo Alto firewall allowing the application traffic. Configured the LTM on F5 to load balance the traffic. Used BGP protocol to manipulate the route for application redundancy.

**RESPONSIBILITIES:**

* Enterprise routing experience using protocols such as Static, RIP, EIGRP, OSPF and BGP.
* Experience deploying BIG-IP F5LTM Load Balancers for load balancing and traffic management of business application
* Configuration of Leaf and spine switches of ACI fabric with the help of APIC controller.
* Creation and deployment of Application network profile (ANP), End Point Group (EPG), Bridge domain and contract on APIC controller.
* Creation of attachable End point (AEP) on the APIC controller.
* Troubleshoot for any server issue on APIC controller and ACI.
* Deployed various Palo Alto firewalls such as PA-200, 220, 500. 440, 460 and 550 in the branches.
* Deployed PA3020 and PA5050 Palo Alto firewall in the Data center.
* Created the branch and data center template on the panorama firewall and deployed to various branches.
* Extensively engaged in creating the standard policy on the Panorama firewall and getting those pushed to the branch and data center firewall.
* Created the site-to-site VPN on the Palo Alto firewall for the backup and vendor access to the data center applications.
* Created policies to apply the URL-filter on the Palo Alto firewall.
* Was responsible for creating the virtual router and routing policy on the Palo Alto firewall.
* Implemented 802.1x on Cisco catalyst switch and created the access policy on the Cisco ISE and radius server.
* Troubleshoot for any issue related to port based authentication while using 802.1x protocol.
* Providing technical assistance and support to Cisco customers on 2960, 3750, 4500, 6500, 7600, 7200, ASR 1k, ASR9k and GSR routers.
* Strong hands-on experience in layer-3 Routing and layer-2 Switching. Dealt with Nexus models like 7K, 5K, 2K series and VSS 6500 model switches.
* Configured application load balancing using F5 LTM
* Experience configuring Virtual Device Context in Nexus 7010
* Configured Security policies including NAT, PAT, Route-maps and Access Control Lists.
* Well experienced in configuring gateway redundancy protocols like HSRP, GLBP, and VRRP.
* Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000
* Configuring and troubleshooting Cisco Branch routers 1800, 1900, 800, 900.
* Configured the Cisco Meraki switches MS390, MS210 on Meraki Dashboard and got those deployed in branches.
* Configured the Cisco Meraki MX250 and MX450 VPN concentrator and Firewall in the Datacenter and branches for network connectivity.
* Configured Meraki Wireless and security appliance MR56, MR36, MX64, MX67 and managed through Meraki Dashboard.
* Worked on route filtering and route redistribution to manipulate the routes on router.
* Configuring VLAN, Spanning tree, DTP, SVI, IP SLA, port security, dot.1x port security, SNMP, TACAS+, ACL on Cisco switches.
* Configured the security authentication profile on Cisco ISE.
* Worked with Cisco wireless Access Points and Wireless LAN Controllers.
* Experience in configuring WLC and AP and troubleshooting
* Experience in Cisco prime for configuring and troubleshooting the wireless network.
* Experience in upgrading and troubleshooting IPAM, DNS and DHCP.
* Design and configuring of security policy, PAT, IPSec VPN on Palo Alto Firewalls.
* Responsible for turning up BGP peering in branch router and MPLS Ethernet circuit, as well as debugging BGP routing problems.
* Dealt with implementation of deployment related to Cisco devices and applying security policies on it.
* Troubleshoot issues related to VLAN, VLAN Trunking, HSRP failovers, and other related issues.
* Planning for upgrade of IOS on network devices and performing the upgrade on firewall.
* Work on troubleshooting the ongoing operation issue and tickets.
* Configuring and troubleshooting the traffic flow on the Palo Alto firewall.
* Creating and applying the security profile like web filtering and threat prevention on Palo Alto firewall.
* Worked on Ethernet upgrade for branch network from T1 circuit.
* Worked on configuration and commissioning of the MPLS circuits for various branch offices.
* Worked on UPS replacement for branches.
* Provide timely and accurate progress status on all ongoing support issues, with an emphasis on problems, issues, and concerns.
* Monitored bandwidth and network activity by analyzing information provided by ops view and Nagios to ensure both efficient and effective network operation.
* Daily management of network devices including firewall, F5 Big IP LTM and GTM, nexus switches and routers in physical and cloud datacenter.
* Support the application team for troubleshooting the connectivity issue in the datacenter environment.
* Interact with internal and external customers to configure new connection and firewall policy in cloud infrastructure and if necessary, troubleshoot the existing and new connection.
* Provide technical support by troubleshooting day-to-day issues with various servers on different platforms.

**Client: Availity Nov 2019 to2021**

**Role: Sr. Network Engineer**

**Location: FL,USA**

**Responsibilities:**

* A Senior Network engineer responsible for managing the Network operations and support during technology implementation and their day-to-day activities
* Involving in Designing and configuring Distributed Cisco ISE Deployment (12Nodes).
* Tier 4 Network Engineer, Responsible for Re-architecture, and Implementing Cisco Next Generation Firewalls across the Network.
* Participate in IT infrastructure Planning & designing network projects, involved in network designing, technical proposal write up and documentation for data center migration.
* Createdawiderangeoftechnicaldocumentation(HLD,LLD,Transitionsphases,migrationtestplans,Migration Checklists, Risks and Impact analysis, LAN standards).
* Developing Data center Migration Run book (Migration Approach, Pre-Cutover Activities, Cutover day Activities, Post cutover Activities, Communication Plan, Monitoring plan, Roll back plan).
* Implementing and troubleshooting firewall rules in Cisco ASA 5510,5585.
* Responsible for Cisco ASA firewalls configuration and administration across global networks for providing IPS/IDS.
* Experience installing and administering firewall and IDS/IPS systems in enterprise networks including in Data Centre.
* Implementing security Solutions using Palo Alto Pa-5000/3000, Cisco ASA.
* Installed and upgraded antivirus, applied security patches as per policy and monitored network security compliance.
* Provide Health Check support for End Customers with Cisco WSA Appliances.
* Servicesexpertresponsibleforeffectivelycommunicating,educating,andpositioningInfobloxserviceprograms within the partner community and customer base.
* Creating automated scripts using Python language, which will parse all trace files and calculate throughput, latency and drop rate.
* Prior working experience with AWS - any or all EC2, S3, EBS, ELB, RDS, VPC, VPN, Direct Connect, Route53
* Knowledge of AWS and Cloud Computing concepts (preferred experience with AWS Elastic Beanstalk, AWS Cloud Formation, or AWS Ops Works)
* Worked on creating EC2, IAM, and CDN tools in AWS cloud environment.
* Establish AWS technical credibility with customers and external parties.
* Designed, deployed, and managed over 30 multi-site level networks including Sophos firewalls, VMware SDWAN (VeloCloud), Amazon AWS S3 buckets, on-site ESXI Hypervisors, Microsoft Windows servers, IPSec Tunnels, wireless networks (Ruckus) and backups (Veeam, Arcserve) for both clients and internal systems.
* Creating new and support existing automation Python code for internal applications.
* Installation, Configuring and maintenance of Cisco Layer 3 switches 2960-X,2960-XR 2960C, 3750, 3850, 4500- X, 4507,4509, 6506, 6509, 4510, Nexus 7K/5K/2K/3K switches, ASR4431, ISR1009, 2600, 2900, VG 224 Routers, ASA 5585 firewall, Citrix Net Scaler, Brocade, and Dell devices.
* Expertise in the administration, support and operation of the Orion Solar Winds platform including Network Performance Monitoring (NPM), Net Scout, Network Configuration Manager, Server & Application Monitor (SAM), Net Flow, Traffic analyzer and IP address Manager.
* Implementing Cisco ISE for delivering consistent, highly secure access control across wired and wireless multivendor networks and remote VPN connections.
* PCI Compliance auditing with Cisco/Aruba Wireless Security Assessments & also Wireless Site Surveys.
* Performed IOS and NXOS Upgrades on cisco router and switches as per company standards.
* Decommissioned of EOL/EOS devices in Data Centre, which involved working with Partner Companies.
* Setup the DMZ, Internal and External VLANs, Trunking and IP addressing on the leaf switches.
* EnabledPIM-SMinthetransportnetworkandEIGRPinthecontrolplaneforoptimalroutingoftrafficandequal- cost multi Pathing (ECMP) in the fabric between the leaf and spine switches.
* Integrated Tufin products into complex security environments with all Cisco Firewalls, SIEM (IDS/IPS), switches, routers, and other security tools.
* Palo Alto integration with VMware Virtual Desktop infrastructure.
* Configuration of Palo alto series firewalls and implementation for outbound traffic via blue coat proxy server.
* Configuration of Azure API gateway service.
* Working with level-2 team on migration project of CMAs from one Provider-1 to anotherProvider-1.
* Working on changing global objects and global rules to local objects and local rules for migration project.

**Client:Mizuho, July 2019 – Oct2019**

**Role:Network Engineer**

**Location: NJ,Usa**

**Responsibilities:**

* 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.
* Used Cisco ACI Fabric which is based on Cisco Nexus 9000 Series Switches and the Cisco Application Virtual Switch(AVS).
* Installation, Configuration, maintenance and administration of Palo Alto Firewalls, Checkpoint FirewallR55 up to R75 version, VPN.
* Translate connectivity requests/RFC’S into security policies for internet ,DMZ Internal Server Farms, Web-traffic security with proxies ,Web Application Firewalls. Worked on migrated multi-vendor equipment and Next generation firewall technologies.
* Migrated previous corporate Checkpoint 4.0 Firewall-1/VPN-1 on Windows NT to Nokia IPSO appliance for increased performance and stability.
* Worked on AS, Firepower, Checkpoint and Palo Alto firewalls.
* Implemented the policy Rules, DMZ and Multiple VDOM’s for Multiple clients of the state on the Forti Gate Firewall
* Implemented Cisco ACI infrastructure for supporting rapid application change by reducing complexity with a common policy framework that can automate provisioning and resource management.
* Deployed Cisco UCS ,Cisco ACI Data centerswitcheslikeN9K,N5K,CiscoFIswitch6200andCisco3850switches, etc.
* Experience in Cisco ACI Integrating Layer 2, Layer 3, L4-L7 and VMware with ACI.
* Design & Implemented (Application Centric Infrastructure) Cisco ACI Fabric based on Nexus 9500 & 9300 platforms in a lab environment for POC.
* Understanding of Cisco ACI (Application Centric Infrastructure) and other SDN technologies.
* Developing transition mechanisms to deploy SDN within traditional IP networks.
* WorkingonticketsforInternationalCircuitandSitesrelatedIssues,contactingInternationalProviders like SITA, OSPF, DCNM (Ver 9,10,11), VXLAN.
* Managed Cisco Nexus 5k and 9300/9500 switches for the data center in Cisco Data Centre Network Manager (DCNM) and timely upgrades of Cisco IOS XR, Nexus OS.
* Experience working with hardware and software in a large, complex storage environment, including configuration of new environments (Cisco DCNM).
* Designed 10 gigabit networks using Cisco Nexus 7000 series switches.
* Performed OS upgrades &device replacements on several Cisco devices (6500, Nexus 2K, 3K, 5k,6k and 7k and 9k series switches).
* Involved in Designing and configuring Distributed Cisco ISE Deployment (12Nodes).
* Implemented VXLAN on Open Stack to data center network.
* Worked on redesigning the network drawings to provide detailed information about the logical and physical connectivity of newly built Data Centre with extensive use of Cisco DCNM.
* Supported Cisco ACI fabric networks, including python automation.

**Environment**: In Corporate office architecture with highly reliable & secured network including Cisco ACI Infra, Cisco ASA, Routing Protocols (EIGRP, RIP, OSPF, BGP), 9K, 7K, 3550, 3560, 2924, 1400, 6513, 6504, 6503, 6506,

6500seriesRouters&Catalystswitches,Switchingprotocols(VTP,STP,GLBP),CiscoWSACitrixNetScaler,Nexus 7K/5k/2K, Multicasting, Bluecoat Proxy, VPN, Data Centre Migration ,VMware.

**Client: Jefferies Financial, Aug 2018 – June2019**

**Role: Network Engineer**

**Location: NY,Usa**

**Responsibilities:**

* Worked to help clean up legacy FW policies and create migration path from current ASA to next gen Palo Alto firewall.
* Responsible for design, Implementation and Maintenance of data center on CISCO ISR 4300, CISCO3560.
* Migrated legacy Catalyst 6509 distribution switches to Nexus 7700c7718.
* Responsible for configuring, maintenance and troubleshooting of cisco 3650,4948.
* Installed new software releases, system upgrades. Evaluated and installed patches resolved software related problems. Performed system backups and recovery.
* Dutiesincludedmonitoringnetworkperformanceusingvariousnetworktoolstoensuretheavailability,integrity and confidentiality of application and equipment.
* Planned migration of servers from traditional Nexus environment to Application Centric Infrastructure(ACI).
* Worked on migration of HP Blade chassis to ACI.
* Inthespine,joinedthemulti-PodfabricandallthepoliciesconfiguredontheAPICcontrollerarepushedtothat device.
* Upgraded HP Procure switches to cisco 3650's which support ISE.
* Created Interface profile and Interface policy groups on ACI.
* Configured Access policies, static bindings, EPG's, Bridge Domain and VRF.
* Worked on remote site switch replacement project where I replaced HP Switch to Cisco 3650 along with Access points.
* Audited all the VLAN's and found servers to migrate them to ACI.
* Migration of core routers from legacy to Nexus9508.
* Design Next generation data centers with Nexus, ACI, Open Stack, DCI, EPGs/bridge domains, OTV, and VXLAN.
* Configured VPC and Fabric Extender on Nexus Switches.
* Worked on Nexus platform 7010, 5K series and FEX (2248, and 2232) and deployed VPC, VDC and OTV, Fabric Path and successfully implemented VSS on the Cisco catalyst switches (6500,6509,6800).
* Providing Layer-3 redundancy by implementing HSRP in the network.

**Client: Moody’s April 2016 – July2018**

**Role: Network Security Engineer**

**Location: NY,Usa**

**Responsibilities:**

* Responsible for installation, troubleshooting of firewalls (Cisco firewalls) and related software, and LAN/WAN protocols.
* Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls (160+ firewalls) - PA200, PA2000 series, PA3000 series, PA4000 series and PA5000series.
* Installed and configured CiscoIronPortESAandWSAappliances.InstalledandadministeredACSservers(3.x,

4.x. 5.x) to provide AAA services for VPN, wireless, device administration. Plan and Migrate ACS from 4.0 to 5.x appliance.

* Create new and support existing Python code for internal applications
* Install network backbone, wireless controllers, and wireless access points (Cisco, Aruba ,Ruckus).
* Building configurations for Cisco routers with features like port security, VLANS, VTP,PVST+.
* Maintained Aruba Network, in two different data centers, for over 1500 remote home users(VPN).
* Selected as the one person hired from the contractor to maintain the wireless network.
* Reengineered the LAN to provide more reliable services and to reduce the latency, analyzed the NT domain in the Austin office to determine all the problems.
* Drive the project for implementing WAN solutions at the DaVita Global solutions headquarters giving highest redundancyandincreasedefficiencywith2ISPlinksand2MPLScircuitssaving $20,000peryearcostbaseline.
* Installed and provisioned close to 2000 AP's and RAP's.
* Upgraded HP procure switches to Cisco 3650's which support ISE.
* Configured Guest Access using ISE. Created security Profiles based on the company's requirement.
* Worked extensively inConfiguring,MonitoringandTroubleshootingCheckpoint,Cisco’sASA5500/PIXsecurity

appliance, Failover DMZ zoning & configuring VLANs/routing/Natting with the firewalls as per the design.

* Access Control Server configuration for RADIUS & TACACS+.
* Utilizing Aruba's built in analytical, management and security features to troubleshoot Wirelesss issues.
* Worked on Palo Alto PA-3000 Series to manage network traffic flows using dedicated processing and memory for networking, security, threat prevention and management.
* Created subnets (on these switches) from the given Class B and Class C addresses to support theVLANs.
* Responsible for developing and deploying Solar Winds which includes WAN/LAN and server monitoring, reporting, and alerting and Configure Orion alerts.
* Installed and upgraded antivirus, applied security patches as per policy and monitored network security compliance.
* Used the Wire shark and other traffic analyzers to troubleshoot network issues.

**Environment:** Series T1 Controllers, DS3 Lines (T3 Lines), Palo Alto (PA-4000/PA-2000) Fiber and Ethernet cabling, Cisco ESA, Nexus 7010, 5020, McAfee Web Gateway, Security Analytics, Citrix Net Scaler. Cisco 4500, 6500 VSS, Nexus VDC, VPC

**Client: Hindustan Uniliver Ltd, April 2014 to March2016**

**Role: Network Engineer**

**Location: India**

**Responsibilities:**

* Design traffic flows in BGP using standard and extended access-lists, Distribute-list and Route Maps, MED, and Local Preference to load balance traffic across multiple ISP links.
* Design and develop infrastructure software for network management system and monitoring for one of the largest networks, containing SDN, traditional routed and traditional optical mode.
* Part of the team that manages the IP|MPLS VPN and Clients Enterprise Network to ensure all services and

SLAs are met for all internal and external customers. Third level of escalation incident management to support post sale solution during the live cycle of the services.

* CiscoSystemsESAEmailappliance(150/170series),switches(2900/3500series),andRouters(3200/3600/3800 series).
* Design and implemented Cisco VoIP infrastructure for a large enterprise and multi-unit office nvironment.
* LeaddesignandimplementationengineerforVoIPprojectsconsistingof100to15,000IPPhones and Analog devices.
* Designing, Implementing LAN/WAN configurations on Cisco Nexus 5k, Catalyst 6500switch.
* Assist customers with Certificate Updates, Load balancing through Citrix Net Scaler.
* Configuring and resolving various OSPF issues in an OSPF multi area environment.
* Configured and designed Access layer switches such as Cisco 4510, 4948, 4507switches.
* PCO (Provisioning Control Office) function in support of Mobility Network Provisioning.
* Responsibilities are including managing the order process which encompasses order tracking, validating engineering, documenting, and publishing daily reports. This is involving all aspects of the provisioning process CISCO including, Ethernet, PPP, and other duties.
* Configuration and maintenance of PIX and ASA firewall systems.
* Configured DHCP scopes for voice and data VLAN segments.
* Redistribution of OSPF and EIGRP into BGP with the correct tagging parameters from the old legacy network to

route and to utilize the correct MPLS VRF VPNs provided from the bearers.

* Implemented, Configured BGP WAN routing, converting OSPF routes to BGP (OSPF in local routing).
* Expertise in maintenance of layer 2 switching tasks- VLAN, VTP, RSTP, configuration of ether channel with LACP and PAGP along with troubleshooting of inter-VLAN routing.
* ImplementedCiscoIronPortSecurityManagementApplianceandIronPortESAinDRsitetoprovideredundancy across data centers for email flow.

**Environment:** Cisco 5550 ASA, Cisco LAN controllers (8500, 5760, 5500) Cisco Air Onet Access Points (3700, 2700,

1600, 700W), Solar Winds.