 MANIDEEP

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OBJECTIVE

Seeking a position as a Network Engineer with a progressive organization that will utilize my education, skills, abilities and experience in an effort to contribute as a successful team player with hard work, dedication and integrity to the overall success of the company while offering the opportunity for advancement.

PROFESSIONAL SUMMARY

* CCNA and CCNP certified Network Engineer with over 8 years of experience with expertise in implementation, administration, analysis and support of LAN and WAN.
* Experience in Cisco Routing and Switching with strong Cisco hardware/software experiences with Routers such as 2900, 3800, 3900, 4000, 7200, 7600 3900; Cisco ASR-1k/9k, Cisco Multilayer Switches 2960, 3850, 4500, 4900, 6500; Cisco Nexus 2k/5k/7k.
* Worked on Cisco IOS for configuration & troubleshooting of routing protocols: BGP, OSPF, EIGRP, IGRP and RIP.
* Defined and managed the implementation of PCI DSS Security compliance.
* Expert Level Knowledge about TCP/IP and OSI models.
* Monitor network intrusion attempts using Cisco IDS/IPS: respond and report.
* Involved in troubleshooting of DNS, DHCP and other IP conflict problems, worked on Gigabit Ethernet and Fast Ethernet connection and applied QoS for the bandwidth delay.
* Knowledge of encryption, MPLS/VPN and GRE tunnels implementations using Cisco IOS with DMVPN and IPSEC.
* Maintain security infrastructure, including IPS, IDS, log management, and security assessment systems.
* Implemented new Cisco ASA's, installed the framework for Cisco ACI and implemented new F5 LTM's.
* Configured Access/Control, URL, and Malware Policies on FMC and deployed to security endpoints.
* Monitored events via FMC and tuned policies to meet security versus connectivity requirements
* Firepower Management Centre (FMC) to manage FTD for IPS and firewall rules. In contrast, ASA with Firepower Services can only have IPS services managed from FMC.
* Designed and configured VPN roles and profiles for two-factor authentication: Cisco ASA
* Hands on Experience in configuring Virtual Local Area Network (VLAN), spanning tree protocol (STP), VLAN Trunking Protocol (VTP), Dynamic Trunking Protocol (DTP), Per VLAN spanning Tree (PVST), Rapid Per VLAN spanning Tree (RPVST), and 802.1x authentication in access layer switches.
* Experience testing Cisco routers and switches in laboratory scenarios and deploy on site for production.
* Provided management and troubleshooting of all network Bluecoat proxy devices.
* Hands on experience on NAT (Network address translation) configurations and its analysis on troubleshooting issues related access lists (ACL).
* Excellent leadership qualities with good written and oral communication.
* Great team player and able to work under pressure 24x7 duty rotation.
* Avid learner with proven capability to implement new technologies to its detail level.

EDUCATION/CERTIFICATION

*Cisco Certified Network Associate (CCNA);*

*Cisco Certified Network Professional (CCNP).*

TECHNICAL SKILLS

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| Routers: | Cisco 7600, 7500, 7200, 3800, 3600, 2800, 2600, 2500, 1800, 1700, 800 series. |
| Switches: | Nexus 9K/7K/5K/2K; Catalyst 6500, 4500, 3850, 3560, 3750, 2960. |
| Routing Protocols: | BGP, OSPF, EIGRP, IGRP, and RIP, Redistribution, Summarization and Static Routing. |
| Switching Protocols: | STP, RSTP, PVSTP, VTP, ARP, and VLAN, PVLAN, Optimizing STP (Port Fast, Uplink Fast, Backbone Fast, Root Guard, BPDU Guard). |
| IP Services: | DHCP, NAT, VLAN, DNS, FTP, TFTP, LAN/WAN. |
| LAN technologies: | Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port-Channel, VLANS, VTP, STP, RSTP, 802.1Q. |
| WAN technologies:  Firewalls:  VOIP:  Security technologies:  Data Center Technologies:  Languages:  Load Balancers:  Gateway Redundancy:  Operating Systems: | HDLC, PPP, Frame Relay, ISDN, ATM, MPLS, VPNs.  Cisco ASA, Palo Alto, CISCO ACI  QoS, SIP, H.323, RTP, RTCP, SS7, ISUP, MEGACO, Voice Gateways, Gatekeepers.  AAA, IPS/IDS, TACACS+, RADIUS, SSH, VPN, Cisco ACS, IPSec, Data Management Zone, IPS/IDS, NPS, Cisco AMP, Cisco ESA, FWSM/PIX/ASDM, Cisco ISE, Cisco TrustSec, Checkpoint, ACI,SIEM, F5 Load Balancer, Blue coat proxy SG, Cisco IDS.  Cisco Nexus 1000v, Virtual Supervisor Modules (VSM) and Virtual Ethernet Modules (VEMs), Cisco Cloud Services (CSR 1000v), Routing Profiles, Service Profiles.  Python, Pearl, Scripting, Linux, Unix  F5 Load Balancer,A5,A10  HSRP(Active/Standby), GLBP and VRRP  Windows XP/Vista/7/8/10, Linux, Windows Servers 2003/2008, Windows MS-Office |
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PROFESSIONAL EXPERIENCE

Client: EDMC, Pittsburgh, PA July 2015 – Present

Role: Network Engineer

**Responsibilities:**

* Secure, manage, and document the local area network consisting of a Cisco 2811 router, an FTP Server running Windows Server 2012, multiple wireless routers, and all Cisco access switches.
* Experience in Cisco ACI (Application Centric Infrastructure).
* Configure network devices including routers, switches, and servers to accommodate company growth and demand while maintaining a high level of security and availability.
* Implement and take lead role in ongoing infrastructure activities via project management and state guidelines including purchasing software, hardware.
* Installed and configured Firepower Management Center on VMware and added ASA Sourcefire Agents as well as Firepower NGIPS for monitoring and management.
* Apply knowledge of the TCP/IP suite, Cisco IOS, and satellite theory to solve complex networking issues including IP routing protocols, ACLs, VLANs, VPNs, and AAA.
* Utilize in depth testing procedures to update firmware, apply current security patches, verify functionality of all devices, and test configurations for equipment such as Cisco routers, ASA firewalls, switches, and Windows OS computers.
* Identified and implemented policies, security configuration standards, guidelines, processes and controls that are required to comply with PCI Data Security Standards (DSS). Reviewed the security controls relating to IDS/IPS,VPN, firewall.
* Review, modify, and test advanced network configuration files during the development process of prototype systems to ensure proper functionality before presenting it to the customer for purchase.
* Designed, validated and implemented LAN, WLAN & WAN solution to suite client’s needs.
* Design OSPF Areas for reliable Access Distribution and for Core IP Routing.
* Implementing, Monitoring, Troubleshooting and Convergence in Frame-Mode MPLS inside the core.
* Ethernet network design including routing, switching, configuration, performance, and fault tolerance of Servers, Switches, Storage hardware and software architectures.
* Performed Troubleshooting and monitored routing protocols such RIP, OSPF, EIGRP & BGP.
* Designing and Implementation of (LAN) VLANs, VTP, Spanning Tree (STP), Trunking (dot1q and ISL) and Ether channel.
* Implemented TCP/IP and related services like DHCP/DNS/WINS.
* Configured and troubleshooting of HSRP on Cisco routers.
* Working with customers Site-to-Site and Remote Site VPNs using Cisco routers to Cisco routers, ASA Firewall to ASA Firewall, Cisco Router to ASA Firewall and troubleshoot and modify existing VPN.
* Windows 2000, 2003, 2008 R2, 2012 Servers

**Client: State Street Bank, Boston, MA November 2012 – June 2015**

Role: Network Engineer

* Worked on Cisco Layer 2 & 3 switches (spanning tree, VLAN).
* WAN Infrastructure running OSPF as core routing protocol.
* Support various Routers like 2600/3600/7200 series routers.
* Configured authentication in OSPF and BGP.
* Configured and troubleshoot OSPF and EIGRP.
* Troubleshooting IOS related bugs based on past history and appropriate release notes.
* Work on different connection medium like Fiber and Copper Connectivity.
* In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of LAN/WAN networking systems.
* Planning and configuring the routing protocols such as OSPF, RIP, and Static Routing on the routers.
* Performed and technically documented various test results on the lab tests conducted.
* Planning and configuring the entire IP addressing plan for the clients' network.
* Assist the certification team and perform configuration of LAN/WAN technologies such as Ethernet, Fast Ethernet, and Gigabit Ethernet.
* Supported networks, which are comprised of 2000+ Cisco devices.
* In-depth expertise in the implementation of analysis, optimization, troubleshooting and documentation of LAN/WAN networking systems.
* Follow process & procedures for change & configuration management.
* Supported nationwide LAN infrastructure consisting of Cisco 4510 and catalyst 6513.
* Configured port-fast, uplink fast and other spanning tree features.
* Support Complex 6500 /5500 Series Switches.
* Network Monitoring-using tools like Cisco Works 2000.
* Created Lab demonstrations for new technology deployments with loaner equipment from various vendors and presented the findings to upper management.
* Troubleshoot network problems using Packet Analysis tools like Ethereal
* Monitor and respond to network hardware and software problems utilizing software testing tools
* Monitor, evaluate and respond to security events (alerts, tickets, and reports);
* Perform first and/or second level (Tier 1 and/or Tier 2) analysis and resolution;
* Review Database Activity Monitoring reports and specific side projects as required;
* Provide support for client/server, voice and data networks, or wireless services.

Client: Bharthi Airtel September 2009 – October 2012

Role: Jr. Network Support Engineer

**Responsibilities:**

* Responsible for providing technical support regarding the company's proprietary systems and software.
* Assist customers in troubleshooting hardware/software related issues on various platforms and provide technical assistance to company customers.
* Analyze, configure and troubleshoot small networks.
* Troubleshoot error messages and suggest layer-2 / layer-3 switch configurations.
* Support Core, distribution and access layers switches.
* Work with business unit escalation team, tool’s team and training groups.
* Use Layer 2 Cisco's Switching platform knowledge (e.g. system architecture, switching and forwarding issues) in Catalyst Switches C6500, C4000, C3000, C2900, and other Layer 2 devices to work with customers and Business Units.
* Setting up VLANs with 802.1q tagging, Ethernet channels, VTP, STP and dot1q trunk between switches.
* Regulate and learn the operations of ADSL and DSL technology units and troubleshooting LAN/WAN issues.
* Experience using static routing and default routing.
* Provide troubleshooting, defect management, and training documentation skills.
* Solving customer escalated network severity cases in a timely manner by leveraging Cisco Enterprise Switch technologies.
* Monitor customer environments and ticket queues and respond as necessary.
* Provision new users, network devices and servers on a daily basis.
* Review all system logs, record issues and remediate any issues.
* Participate in on-call rotation and escalations.
* Maintain and utilize network and system monitoring tools to troubleshoot issues.