

Network Engineer/ Administrator Network Engineer/ Administrator Network Engineer/ Administrator - Deutsche Bank Jersey City, NJ Around 6+ years of strong experience in IT industry. Experience in planning, designing, implementing, maintaining and troubleshooting of the network. Technically proficient in Installation, Configuration in Cisco switches, Cisco routers, Cisco Access Points, Cisco ASA firewalls, Check Point Firewalls, Palo Alto Firewalls and F5 Load Balancers. Experience in the support for TCP/IP devices in LAN/WAN network. Very good knowledge in OSI layer, TCP/IP layer, Cisco IOS, NX-OS. Good experience in routing protocols such as RIP, EIGRP, OSPF, BGP. Experience in configuring ACLS both standard and extended and also switch port security. Experience in IP addressing, sub netting and VLSM. Proficiency in configuring Nexus switches of 2k, 5k and 7k series. Support for WiFi, SSID's management and wireless monitoring using the tool Airmon-ng. Good experience in Route summarization and redistribution. Expertise in implementing switch security and firewalls. Expertise in implementing security policies like ACLs, NAT, PAT, IPS, IDS, VPN. Good hands on experience in Layer-3 routing and Layer-2 switching. Experience in working with monitoring tools such as Zenoss, Netcool. Experience in redundancy protocols such as HSRP, VRRP and good knowledge in GLBP. Good knowledge in Intrusion Detection and Prevention. Good knowledge on fiber optics and mainly in the field of T1/E1, OC 192, DWDM. Implementation of FabricPath in the data centres. Experience in configuring VoIP using asterisk server and SIP protocols are well known. Experience in configuring Frame Relay, EVPL. Experience with Citrix NetScaler where I configured load balancing, SSL certificate installation, monitoring the network, creating site for web interface. Experience with the monitoring tools such as Solarwinds, PRTG monitor. Successfully implemented VRF technology on Cisco technology. Expertise understanding in implementing and configuring F5 Big-IP LTM-3900, 6900 and GTM Load Balancers. Experience in automation using Python. Understanding of TACACS and RADIUS in detail. Experience in configuring DNS and DHCP server and also troubleshooting them. Proven ability to absorb new material and transfer knowledge to co-workers and users. Able to communicate well and convey information with the team members, and the staff of the organization and also with the other vendors. Authorized to work in the US for any employer Work

Experience Network Engineer/ Administrator Deutsche Bank - Jersey City, NJ February 2015 to

Present Project Description: Monitoring the network from preventing it from outage.

Troubleshooting the network to stabilize the network at the time of outage Responsibilities:

Provided system support for the end client. One of the core members of the network team.

Planning, designing, configuring and reviewing the network. Worked on Cisco routers and

switches and good knowledge on Cisco IOS and NX-OS. Involved in the Data center migration of

Cisco Catalyst series 4500, 6500 switches with the new Nexus Switches 2148, 2224T, 5548, 6018,

7010 using F3/M3 line cards with 10GE and 40 GE interfaces and Supervisor 2E Configured

Fabric Path to enable L2 routing in Datacenter which would help in providing Stability to F1 module

line cards. Installation of Fiber optic cables for the Metropolitan area network. Planning and

designing of network infrastructure consisting of LAN/WAN. Designing LAN/WAN according to the

requirements of the organization and governing with the help of communication protocols.

Configured redundancy protocols such as HSRP, VRRP. Monitoring the network with the help of

solarwinds and providing solutions for the issues occurred. Configured security features such as

IPSEC VPN, TLS, SSL. Configured RADIUS server. Configured Check Point, Cisco ASA and

Palo Alto Firewalls, monitored the network from threats, performed URL filtering and maintained

logs. Worked on F5 BIG-IP LTM, GTM and performed load balancing and application level

redundancy. Configured Virtual Routing Forwarding (VRF) on Cisco routers. Managing the

active directory of DNS and DHCP servers. Performed automated configuration backup to the tftp

servers by scripting using Python. Automation of configuration of routing protocols like BGP,

OSPF. Configuring WPA2 psk on Cisco Aironet 2600/3600 and administration of Wireless access

points using Airmon-ng. Troubleshooting the network problems to make sure for the maximum

availability of the network and maintaining minimum downtime. Established WAN communication

between branch offices using MPLS and redistributing the end routers with BGP protocol. Worked

with the Nexus switches 2k, 5k, 7k. Configured layer 3 protocols such as IGRP, BGP and

monitored their functions. Applied ACLs for the internet access to the servers using Cisco 5550

ASA Firewall and also performed NAT. Good experience in redistribution, ACLs and Natting

(dynamic) Environment: Cisco Routers series 2800, 3800 and 7200. Cisco Switches catalyst 2900, 3500, 4500 and 6500 series, Nexus Switches 2k, 5k, 7k; F5 load balancer; Check Point Firewall, Palo Alto Firewall, Cisco ASA Firewall, Cisco Access Points. Routing Protocols: RIPv2, EIGRP, OSPF, BGP Switching Protocols: STP, VTP, VLAN, RSTP Communication Protocols: MPLS Redundancy Protocols: HSRP, VRRP Authentication: RADIUS, TACACS, Fiber Optics Firewall Security Protocols: NAT, PAT, IPsec, VPN Wireless Tools: airmon-ng MS Visio, Python, VRF, FabricPath, Cisco IOS, NX-OS, Solarwinds Network Engineer Southwest July 2014 to January 2015

Responsibilities: Installation, configuring and managing the Cisco Routers and switches of series 2800, 3700, 3800, and 7200, also catalyst switches 2900, 3500, 4500, and 6500 and good knowledge on Cisco IOS and NX-OS. Configured fabric path, VPC, VDC on Nexus 7k series. Configured OSPF and modified OSPF costs to reduce delay and bandwidth to divert the traffic and also performed OSPF summarization. Configured BGP and performed route Cisco routers of series 7600 and 7200 on all edge routers and also the Nexus switches 5k, 7k. Enabled Spanning Tree Protocol, STP BPDU guard and VLANs on switches within the organization. Configuration and administration of F5 load balancer both BIG-IP LTM and GTM. Configured Check Point Firewall and Cisco ASA Firewall Configured RADIUS and TACACS server. Configured the ether channel between the switches in order to improve the bandwidth and connectivity between the switches. Performed racking and mounting of the switches and also installation of the fiber optics of OC 192 and T1. Configured LAN/WAN and also maintained the routers in the network which includes OSI Layer, TCP/IP, DNS, DHCP and NAT. Monitored network with the tools like SNORT, Solarwinds. Configured and managed VLANs, 802.1Q Trunk, RPVST+, Inter-VLAN routing, HSRP and LAN security for Layer-2 and Layer-3 switching domains as per the organization's requirement plan. Involved in the configuration and maintenance of IPSEC Site-Site VPN. Troubleshooting the issues with the MPLS VPN connectivity and also Configured Virtual Routing Forwarding (VRF) on Cisco routers. Worked in configuration of Cisco Access Points 2600. Analyzing and troubleshooting wireless networks using Airmon-ng. Monitored the access logs, network infrastructure traffic to analyze the problems and find solutions using the monitoring tool Zenoss.

Involved in providing access to user machines and partners outside our network by SSL and IPsec VPN tunneling. Part of team in planning for the proposed network. Environment: Cisco Routers 7600, 7200, 3800, 3700, 2800; Cisco catalyst Switches 6500, 4500, 3500, 2900; Nexus switches 5k, 7k; Check Point Firewall; F5 load balancer; Cisco ASA Firewall 5550, 5520, 802.1Q, Cisco Access Points. Routing Protocols: OSPF, BGP Communication Protocols: MPLS Authentication: RADIUS, TACACS Sniffing Tools: Wireshark Wireless Tools: airmon-ng MS Visio, IPSEC VPN, Cisco IOS, NX-OS, Solarwinds, Zenoss. Fiber Optics Network Engineer Bank of America - Charlotte, NC March 2014 to June 2014 Responsibilities: Come member of the team. Established network between various fields of the company such as data centers and field offices. Configuring, monitoring, and troubleshooting of the cisco routers and switches for the network established between field offices and data centers with a good knowledge on Cisco IOS. Monitored the network with the help of Solarwinds. Ensuring 24/7 connectivity of the network is the key responsibility. Configured AAA (authentication, authorization and accounting) on all routers. Secured Network access using RADIUS. Configured Nexus switches 2k, 5k, 7k with a good knowledge on NX-OS. Configuring and troubleshooting routing protocols on LAN/WAN which includes EIGRP, OSPF, BGP. Configured EVPL to support multiple EVCs Provided switching security which includes port security, STP, VLAN for both data and voice. Deployed DWDM cabling (fiber optics) in the new office which contains OC12, OC 48, and OC 192 and also done cabling on T1 cables. Configured redundancy protocols such as HSRP and VRRP. Configured RADIUS and TACACS server. Configured F5 load balancer and also Citrix NetScaler to monitor the network, load balancing and also GLBP, creating a site for web interface for the internal clients. Configured Cisco ASA Firewall. Monitored the network traffic using monitoring tool Netcool. Maintenance of WAN in the organization which includes OSI Layer, TCP/IP. Automated configuration backup to the TFTP server using Python script. Configured IPSEC VPN between the main office and the remote locations. Analyzing the wireless networks using Airmon-ng and writing a detailed report about the power of the various access points at different places. Troubleshooting network with the tools such as Wireshark, tcpdump. Established MPLS VPN between branch offices located in various

locations and Configured Virtual Routing Forwarding (VRF) on Cisco routers. Configured frame relay on external routers that connected the branch offices of various locations. Environment: Cisco Routers 7600, 7200, 3800, 3700, 2800; Cisco catalyst Switches 6500, 4500, 3500, 2900; Nexus switches 2k, 5k, 7k; F5 load balancer, Citrix NetScaler. Routing Protocols: EIGRP, OSPF, BGP Communication Protocols: MPLS Redundancy Protocols: HSRP, VRRP, Wireless Tools: airmon-ng Authentication: RADIUS and TACACS Education Bachelor of Technology in Technology Jawaharlal Nehru Technological University MS in Telecommunications SUNY Poly Certifications/Licenses CCNP April 2019 Additional Information Skills Domain Area Network Designing, Network Troubleshooting, Network Security etc. Networking Equipment Cisco 2500,2600,2800,3600,3800,7200,7600 series routers; Cisco 1900,2900, 3500,3750,4900,6500 series catalyst switches Nexus 1000v/2000/3000/5596/7018. Cisco Aironet 1200/2600/3600 Cisco ASA Firewall 5505, 5506-X, 5512-X Check Point Firewall GAIa R77 Palo Alto Firewall 7k, 5k series. Routing Protocols Static Routing, RIP V1, V2; EIGRP, OSPF, BGP, MPLS, ACLs, Route Redistribution and Summarization, VRF. LAN Technologies Ethernet/ Fast Ethernet/ Gigabit Ethernet networks, VLANs, VTP, STP (CST, PVST, RPVST+, RSTP), 802.1q, ISL, Ether channel, EVPL, HSRP, VRRP, GLBP, F5 load balancers. WAN Technologies Wireless Network Tools 802.11 Standards, TCP/IP, OSI Layer, Fiber Optics, T1/E1, DWDM, OC192. Airmon-ng Communication Protocols Tools PPP, Frame Relay, SSL, HTTP, MPLS, 802.11 Citrix NetScaler, Solarwinds, PRTG Monitor Communication Concepts VoIP Scripting Monitoring Tools Platforms Applications VPN, Multicasting, IPSEC VPN, TLS, SSL Asterisk server, SIP, RTP Bash, Python, Scapy Zenoss, Netcool, Solarwinds Cisco IOS, NX-OS Windows XP, Vista, 7, 8, 10 and LINUX MS VISIO, MS Office Key Projects Technologies: Frame Relay, Fiber optics MS Visio, Python, IPSEC VPN, VRF, EVPL, Cisco IOS, NX-OS, Solarwinds, Netcool. Client: State Farm Insurance May' 13 ~ Feb' 14 Location: Bloomington, IL Role: Network Engineer Responsibilities: Performed Migration between Catalyst switches to Nexus switches and also configured Fabric Path, VPC, VDC and also BGP routing protocol. Contributed in configuring and troubleshooting LAN/WAN infrastructure using routing protocols EIGRP, OSPF, BGP. Provided network support-

Tire I and II. Provided access security for the routers by configuring ACLs on routers.

Administration of Check Point and Cisco ASA Firewalls. Provided call support for configuration and installation issues. Configured STP, port security, VLANs and also configured EVPL to integrate MAN and WAN connectivity for point to point high speed transport. Performed load balancing using Citrix NetScaler and also monitored the network using it. Installing, maintaining and troubleshooting WAN which includes OSI Layer, TCP/IP, Frame Relay, DHCP, NAT.

Configured ether channel between the switches to ensure connectivity. Managing the active directory of DNS and DHCP servers. Upgrading of Cisco IOS from the TFTP servers. Monitored network using SNORT using python script. Configured few VoIP phones using Asterisk server.

Cabling in LAN/WAN environment. Environment: Cisco Routers 7600, 7200, 3800, 3700, 2800; Cisco catalyst Switches 6500, 4500, 3500, 2900; Nexus 7K switches; Check Point Firewall, Citrix NetScaler. WAN: EVPL Routing Protocols: EIGRP, OSPF, BGP Communication Protocols: MPLS VoIP: Asterisk Technologies: Frame Relay MS Visio. Client: Cognizant Oct 2010- Apr'13

Location: Hyderabad, India Role: Network Engineer Responsibilities: Maintaining office network by configuring Cisco Routers of series 2500, 3600 and Cisco Catalyst Switches of series 3500, 2900, and 1900. Configured routing protocols such as RIPv2, OSPF. Maintained the WAN, LAN network which includes OSI Layer, TCP/IP and also NAT. Configured VLANs, Trunking on switches and VTP. Upgrading and Backing up of Cisco IOS with the help of TFTP server. Monitored network using SNORT. Configured PBX server using asterisk and configured SIP protocol. Managing the active directory of DNS and DHCP servers. Worked on sniffing tools such as Packet Sniffer, Wireshark. Monitoring the network using from the logs obtained from Syslog server and improve the performance of the network when degraded. Environment: Cisco Routers 7600, 7200, 3800, 3700, 2800; Cisco catalyst Switches 6500, 4500, 3500, 2900 Routing Protocols: EIGRP, OSPF, BGP Sniffing tools: Packet Sniffer, Wireshark, SNORT Syslog Server

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