

Sr. Network Engineer

Sr. Network Engineer - Delta Airlines

Eagan, MN - Email me on Indeed: [indeed.com/r/79009412b16751bb](https://www.indeed.com/r/79009412b16751bb)

- Over 8 years of Experience Cisco ,Juniper (JNCIA) and Experience with designing, architecting, deploying and troubleshooting Network & Security infrastructure on routers, switches (L2/L3)&firewalls of various vendor equipment.
- Extensive work experience with Cisco Routers, Cisco Switches, Load Balancers and Firewalls
- Experience in layer-3 Routing and layer-2 Switching. Dealt with Nexus models like 7K, 5K, 2K series, Cisco router models like 7200, 3800, 3600, 2800, 2600, 2500, 1800, 810 series and Cisco catalyst 6500, 4500, 3750, 3500, 2900 series switches
- Expertise in installing, configuring, and troubleshooting of Cisco Routers (3800, 3600, 2800, 2600, 1800, 1700, 800)
- Hands on experience in troubleshooting and deploying of various IP Routing Protocols EIGRP,RIP v1/2, OSPF, IS-IS & BGP
- Implemented security policies using ACL, IPSec, VPN, AAA Security TACACS+, and Radius on different series of routers and firewalls
- Installation and Configuration of Cisco 6500, 4500, 2900, 3500 series switches, Cisco 2500, 2600, 2800, 3600, 3800, 7200 series Routers.
- Experience with Cisco Datacenter Switches Nexus 7000, 5000 and 2000.
- Hands on experience with F5 load balancers - LTM, GTM series like 6400, 6800, 5000, 2000 for the corporate applications
- Designing and configuring of OSPF, BGP on Juniper Routers (MX960, MX480) and SRX Firewalls (SRX240, SRX550)
- Expertise in configuration of routing protocols and deployment of OSPF, EIGRP, BGP and policy routing over Cisco routers.
- Experience with design and deployment of MPLS Layer 3 VPN, MPLS Traffic Engineering, MPLS QOS
- Experience in adding Rules and Monitoring Checkpoint Firewall traffic through Smart Dashboard and Smart View Tracker applications.
- Configured Client-to-Site VPN using SSL Client on Cisco ASA 5520 ver8.2
- Configured ASA 5520 Firewall to support Cisco VPN Client on Windows 7/XP/Vista.
- Installation, configuration and troubleshooting of F5 load balancers.
- Experience with designing, deploying and troubleshooting LAN, WAN, Frame-Relay, Ether-channel, IP Routing Protocols - (RIPv2, OSPF, EIGRP & BGP), ACL's, NAT, VLAN, STP, VTP
- Implemented redundancy with HSRP, VRRP, GLBP, Ether channel technology (LACP, PAgP) etc.
- Strong hands on experience on PIX Firewalls, ASA [...] Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS)
- Experience working with Cisco IOS-XR on the ASR9000 devices for MPLS deployments
- Efficient designing of IP Addressing Scenario using VLSM and Sub netting.
- Configured Security policies including NAT, PAT, VPN's and Access Control Lists.
- Extensive experience using Microsoft suite like Word, Visio, Excel, PowerPoint

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Sr. Network Engineer

Delta Airlines - Eagan, MN - July 2015 to Present

Description: Delta Airlines is a American airline, with its headquarters and largest hub at Hartsfeild-Jackson Atlanta International Airport In Atlanta,GA. The airline, along with its subsidiaries operate over 5,400 flights daily and serve an extensive domestic and international network that includes 334 destinations in 64 countries on six continents.

Responsibilities

- Responsible for designing and implementation of customer's network and Security infrastructure.
- Involved in complete LAN, WAN, Extranet redesign (including IP address planning, designing, installation, pre configuration of network equipment, testing, and maintenance) in both Campus and Branch networks
- Responsible for Cisco ASA firewall administration across our networks and support customer with the configuration and maintenance of the firewall systems.
- Experience with end to end migration of DMZ server, including Vendor connectivity.
- Experience with designing, implementing and troubleshooting Cisco routers and switches using different routing protocols like OSPF, EIGRP, BGP, ISIS and MPLS L3 VPN, VRF
- Experience with converting Cisco 6500 IOS to Cisco Nexus NX-OS in the data center environment.
- Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000
- Experience in Configuring, upgrading and verifying the NX-OS operating system.
- Actively involved in Switching Technology Administration, including creating and managing VLANs, Port security- 802.1x, Trunking 802.1Q, RPVST+, Inter-VLAN routing, and LAN security on Cisco Catalyst 4507R +E, 6509-E and Nexus 2232, 5596, 7009 switches.
- Configuring IPSEC VPN on SRX series firewalls
- Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500 security appliance, Failover DMZ zoning& configuring VLANs/routing/NATing with the firewalls as per the design.
- Provided Load Balancing towards access layer from core layer using F5 Network Load Balancers.
- Managed the F5 Big IP GTM/LTM appliances which include writing iRules, SSL offload and everyday task of creating WIP and VIPs
- Involved in Disaster Recovery activity, like diverting all the traffic from the production data center to Disaster Recovery data center.
- Deployed a large-scale HSRP solution to improve the uptime of collocation customers, in the event of core router becoming unreachable.
- Configured and designed LAN networks with Access layer switches such as Cisco4510, 4948, 4507 switches.
- Configuring Virtual Chassis for Juniper switches EX-4200, Firewalls SRX-210
- Implemented HSRP on the Cisco 2948G Layer 3 switches and EIGRP, OSPF on 2 Cisco 2610 routers, the Layer 3 switch, 3 Cisco 350XL Switches, Cisco 3524XL switches for load balancing and failover.
- Configuring ASA Firewall and allow/deny rules for network traffic.
- Extensive knowledge and troubleshooting in data communication protocols and standards including TCP/IP, UDP, IEEE 802.3, Token Ring, Cable Modem, PPPOE, ADSL, Multilayer Switching, DoD standards.
- Monitoring and troubleshooting of wireless issues in the network

Environment: ASA firewalls, OSPF, EIGRP, BGP, ISIS, MPLS L3 VPN, VRF, VLAN, Port security, Trunking, Nexus 2232, 5596, 7009 switches, WIP, VIP, TCP/IP, UDP, IEEE 802.3, Token Ring, Cable Modem, ADSL Multilayer Switching, DoD standards.

Network Analyst

Fidelity investments, Merrimack, NH Feb - 2014 to May 2015

Description: Fidelity investments is an American multinational financial services corporation. It is the fourth largest mutual fund and financial services group in the world. Fidelity Investments manages a large family

of mutual funds, provides fund distribution and investment advice services, as well as providing discount brokerage services, retirement services, wealth management, securities execution, life insurance.

Responsibilities

- Experience with Supporting both Network and Security infrastructure in the data center environment and Campus environment, which involved with devices such as routers, switches, firewalls and wireless access points.
- Strong hands on experience on ASA (5525/5545/5585) Firewalls. Implemented security policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS)
- Experience with implementing Cisco 6500 VSS on the User distribution switches.
- Upgraded IOS on the different ASA flavors like 5510, 5520 and 5585 firewalls
- Working with MPLS Designs from the PE to CE and also configuring VRF on PE routers
- Experience with designing and deployment of MPLS Traffic Engineering
- Configuring RIP, OSPF, EIGRP BGP, MPLS, QOS, ATM and Frame Relay.
- Strategies for the expansion of the MPLS VPN networks
- Working Knowledge of Cisco IOS, Cisco IOS-XR, Cisco Cat OS, Cisco NX-OS, JUNOS
- Experience with configuring BGP in the data center and also using BGP as a WAN protocol and manipulating BGP attributes
- Design and deployment of MPLS, QOS, MPLS Multicasting per company standards.
- Implemented site to site VPN in Juniper SRX as per customer.
- Implemented various EX, SRX & J series Juniper devices.
- Experience with deploying Fabric Path using Nexus 7000 Devices
- Experience with configuring VPC, VDC and OTV between the data centers as a layer 2 extension.
- Maintenance and troubleshooting of LAN, WAN, IP Routing, Multilayer Switching.
- Performing on-site data center support including monitoring electrical power, switch alarms, network alerts and access logs.
- Configuring RIP, OSPF and Static routing on Juniper M and MX series Routers
- Configuring VLAN, Spanning tree, VSTP, SNMP on EX series switches
- Dealt with monitoring tools like (Solar Winds, Cisco Works), network packet capture tools like Wire shark
- Maintained a Network with more than 6000 Network devices, some 25,000 end hosts, and the other Network devices like DHCP, DNS servers, Firewall servers.

Environment: ACL, IPSEC, SSL, VPN, IPS/IDS, AAA, RIP, OSPF, EIGRP, BGP, MPLS, QOS, ATM, Frame Relay, VSTP, SNMP, DHCP DNS Servers, Firewall.

Network Engineer

Dimension Data - Irvine, CA - October 2012 to December 2013

Description: Dimension Data is a global company specializing in information technology services, with operations on every inhabited continent. Dimension data's focus area include network integration, security solutions, data center solutions, converged communications, customer interactive solutions and support services.

Responsibilities

- Configuration and Administration of Cisco and Juniper Routers and Switches.
- Administration and diagnostics of LAN and WAN with in-depth knowledge of TCP/IP, NAT, PPP, ISDN and associated network protocols and services.
- Involved in design and implementation of Data Center Migration, worked on implementation strategies for the expansion of the MPLS VPN networks

- Experience in migration of Frame-relay based branches to MPLS based technology using multilayer stackable switch like 6500 series and 2800 series router
- Configuring VLANs and implementing inter VLAN routing.
- Testing E911, voicemail, Media gateways.
- Upgrading and troubleshooting Cisco IOS to the Cisco Switches and routers.
- Configure and troubleshoot Juniper EX series switches and routers.
- Configuring Site to Site to VPN connectivity.
- Implementation of HSRP, IPsec, Static Route, IPSEC over GRE and Dynamic routing protocol
- Involved in configuring Cisco Net flow for network performance and monitoring.
- Involved in designing and implementation of wireless IPT devices.
- Involved in configuration of Cisco 6500 ACE switches
- Configuring IPSLA monitor to track the different IP route when disaster occurs.
- Involved in Implementing, planning and preparing disaster recovery.
- Having meetings with the application group and gathering requirements for disaster recovery.
- Involved in smart view tracker to check the firewall traffic.
- Troubleshooting hardware and network related problems.

Environment: NAT, PPP, ISDN, TCP/IP, 6500 series switch, 2800 series router, inter VLAN, HSRP, IPSEC, Static route, IPSLA, smart view tracker

Network Engineer

GAP Inc, Pleasanton, CA Feb - 2011 to August 2012

Description: Gap Inc or Gap is an American worldwide clothing and accessories retailer. It was founded in 1969 by Donald Fisher and Doris F Fisher and is headquartered in San Francisco, CA.

Responsibilities

- Responsible for the installation, configuration, maintenance and troubleshooting of the company network. Duties included monitoring network performance using various network tools to ensure the availability, integrity and confidentiality of application and equipment
- Configured and troubleshoot OSPF and EIGRP.
- Involved in troubleshooting of DNS, DHCP and other IP conflict problems
- Planning and configuring the routing protocols such as OSPF, RIP, and Static Routing on the routers.
- WAN Infrastructure runs OSPF & BGP as core routing protocol.
- Support various routers like 2600/3600/7200 series routers.
- Tested authentication in OSPF and BGP.
- Switching related tasks included implementing VLANs, VTP, STP and configuring on the Fast Ethernet channel between switches
- Responsible for configuring a site to site VPN on VPN Concentrator series between Head office and Branch office
- Installation & configuration of Cisco VPN concentrator 3060 for VPN tunnel with Cisco VPN hardware & software client and PIX firewall
- Configured Firewall logging, DMZs & related security policies & monitoring
- Worked on Cisco Layer 2 switches (spanning tree, VLAN).
- Hands on experience working with security issues like applying ACL's, configuring NAT and VPN
- Responsible for Internal and external accounts and, managing LAN/WAN and checking for security
- Involved in Network Migrations
- Configuring Cisco and Juniper devices (Router & Switches)
- Dynamic routing protocol configuration like RIP and OSPF.
- Troubleshooting level 1 network problems.

- NAT and IPsec configuration on Cisco Routers.
- Creating Private VLANs& preventing VLAN hopping attacks& mitigating spoofing with snooping & IP source guard

Environment:DNS, DHCP, Cisco routers 2600/3600/7200 series, VLANs, VTP, STP, site to site VPN, PIX firewall, NAT, ACL, VLAN hopping attacks, spoofing

Network Engineer

Pune, Maharashtra - May 2008 to December 2010

Description: LAN security plays a significant part in the security strategy of enterprise networks. Nevis Networks is a specialist in the area of enterprise LAN security providing multi-layered scalable and highly unified solutions to combat advanced threats.

Responsibilities

- Experience with Cisco switches and routers: Physical cabling, IP addresses, Wide Area Network configurations (Frame-relay and ATM).
- Configured the Cisco router as IP Firewall and for NATting.
- Configured static NAT, dynamic NAT, dynamic NAT overloading.
- Install and configure servers, desktops and networking equipment.
- Used Wireshark to analyze the networks.
- Recommended and implemented improved documentation, including troubleshooting checklists, escalation guidelines& phone numbers, and status report / educational emailing protocols.
- Migration of RIP V2 to OSPF, BGP routing protocols.
- Created VLAN and Inter-VLAN routing with Multilayer Switching.
- Configured of IP Allocation and sub netting for all applications and servers and other needs throughout the company using FLISM, VLISM addressing.
- Performed redistribution with OSPF, EIGRP, RIP version 1 and 2 to enable communication with backbone.
- Provide assistance to Network Manager and serve as Secondary Network support.
- Involved in installing and configuring PIX 515E firewall.
- Used various Network sniffers like Ethereal, TCP dump etc.
- Designed network connectivity and network security, between various offices and data center. Installed and configured routers, including 1800, 2600 along with Cisco switches including 3750 and 6500.

Environment: NAT, RIPV2, EIGRP, OSPF, Frame-Relay, ATM, BGP, Ethereal, Tcp dump, Cisco routers 1800, 2600, Cisco switches 3750, 6500.

EDUCATION

Technology

Jawaharlal Nehru Technological University - Hyderabad, ANDHRA PRADESH, IN
2008