

Krishna Samineni

Network Engineer - American Airlines

Dallas, TX - Email me on Indeed: indeed.com/r/Krishna-Saminenida5c03c7b374f2b7

- Around 5 years of professional experience in Network engineering with Cisco Certified Network Engineer, performing Network analysis, design, Implementing, capacity planning with a focus on performance tuning and support of large Networks. Strong knowledge in Cisco Routing, Switching and Security with Cisco hardware/software (heavy Cisco shop) experience.
- Experience working on Cisco Catalyst Series 3750, 4500, 4900, 6500; Nexus 2000, 5000, 6000 and 7000 series switches.
- 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 series and Cisco catalyst 6500, 4500, 3750, 3500, 2900 series switches.
- Knowledge of Networking Switches, Routers, QOS, BGP, OSPF, ATM, PPP, Ethernet, Wi-Fi and Multicasting.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST. Implementation of HSRP, VRRP for Default Gateway Redundancy.
- Knowledge of Network troubleshooting, Organization, Network planning, Maintenance, Monitoring protocols and software.
- Involved in troubleshooting of DNS, DHCP and other IP conflict problems.
- In-depth knowledge on Routing Policies, Network Architecture, IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS.
- Enterprise Routing experience using protocols RIP v1 & 2, EIGRP, OSPF and BGP
- Implementing security policies using Cryptography, ACL, ASDM, IPsec, VPN, and AAA Security on different series of routers.
- Experience with different Network Management Tools and Sniffers like Wireshark (ethereal), HP-Open view, RSA envision, and Cisco works to support 24 x 7 Network Operation Center.
- Knowledge, design, installation, configuration, maintenance and administration of Checkpoint Firewall R55 up to R75 version.
- Experience in Cisco ASA firewall administration.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Network Engineer

American Airlines - Fort Worth, TX - January 2013 to Present

Responsibilities:

- Configuring/Troubleshoot issues with the following types of routers Cisco (7200, 6500, 4500, 1700, 2600 and 3500 series), to include: bridging, switching, routing, Ethernet, NAT, and DHCP, as well as assisting with customer LAN /MAN, router/firewalls.
- Configured OSPF over frame relay networks for NBMA and point to multipoint strategies
- Implementing traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
- Provided redundancy in a multi homed Border Gateway Protocol (BGP) network by tuning AS-path
- Hand on experience the configuration and implementation of various Cisco Routers and L2 Switches.

- Assisted in troubleshooting LAN connectivity and hardware issues in the network of 500 hosts.
- Studied and analyzed client requirements to provide solutions for network design, configuration, administration, and security.
- Modified internal infrastructure by adding switches to support server farms and added servers to existing DMZ environments to support new and existing application platforms.
- Built site-to-site IPSec VPNs over Frame-relay & MPLS circuits on various models of Cisco routers to facilitate adding new business partners to new and existing infrastructures.
- Analyzed customer application and bandwidth requirements, ordered hardware and circuits, and built cost effective network solutions to accommodate customer requirements and project scope.
- Involved in troubleshooting IP addressing issues and Updating IOS images using TFTP.
- Wrote IOS and CAT OS upgrade procedures and Pre/Post checks for customer production upgrades.
- Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-Vlan routing, LAN security
- Switches Replace branch hardware with new 2851 routers and 2960 switches.
- Implemented Cisco Wireless Access Points and WLC's at various corporate sites for 11n Infrastructure and its legacy technologies.
- Experience in working with Cisco Nexus 5000 series switches for data center.
- Provided estimated bandwidth requirements for data replication, to best determine adequate timing for migration service levels
- Configuring HSRP between VLANs, Configuring Ether-Channels, Port Channel on 6500 catalyst
- Configuring, managing and troubleshooting networks using routing protocols like RIP, EIGRP and OSPF (Single Area and Multi Area).
- Configured OSPF on CISCO devices with multiple routing processes and redistributed them. Tested and hands on experience in multi area OSPF topologies.
- Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.

Environment: Cisco 2948/3560/4500/3560/3750/3550/3500/2960/6500 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers, Cisco Nexus 7K/5K/2K, Cisco ASA5510, Checkpoint, windows server 2003/2008: F5 BIGIP, LTM, OSPF, EIGRP, RIP, BGP, VLAN, VPN, Checkpoint.

Systems Engineer

Sony - Hyderabad, ANDHRA PRADESH, IN - March 2012 to January 2013

Responsibilities:

- Installation of Operating Systems Win98, Win XP, Win NT, Win 2000, Win 2003 etc.
- Install and maintain Hardware, Operating System
- Monitor Routers and Internet Connectivity
- Implement network monitoring tool for monitoring servers, routers other network resources
- Adding and deleting users and granting user level
- Resolving VPN & MTU issues
- Resolving Network Problem related to connectivity and assessing resources.
- Responsible for ensuring each reported problem is resolved in timely manner
- System Troubleshooting in case of a failure and maintain server uptime above 99.99%
- Migration of active directory services from Win NT to Win 2k to Win 2003
- Providing Capacity Planning review for all the servers
- Patching all Windows servers and workstations with Company standards
- Configuring & administering Domain Naming Server (DNS), Dynamic Host Configuration Protocol (DHCP), Distributed File System.(DFS), Internet and Remote Access Service(RAS)

- Assist staff with the installation, configuration, and ongoing usability of desktop computers, peripheral equipment and software within established standards and guidelines

EDUCATION

Masters in Computer Science in Computer Science

Northwest Missouri state university

SKILLS

BGP (4 years), catalyst (4 years), Checkpoint (4 years), Cisco (4 years), VPN (5 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS:

Cisco Platforms

Nexus 7K, 5K, 2K & 1K, Cisco routers (7600, 7200, 3900, 3600, 2800, 2600, 2500, 1800 series) & Cisco Catalyst switches (6500, 4900, 3750, 3500, 4500, 2900 series), CSR/ASR, IOS-XR

Networking Concepts Access-lists, Routing, Switching, Subnetting, Designing, CSU/DSU, IPsec, VLAN, VPN, WEP, WAP, MPLS, VoIP, Bluetooth, Wi-Fi

Firewall ASA Firewall [...] Checkpoint, Cisco ASA

Network Tools Solar Winds, SNMP, Cisco Works, Wireshark

Load Balancers Cisco CSM, F5 Networks (Big-IP)

WAN technologies Frame Relay, ISDN, ATM, MPLS, leased lines & exposure to PPP, DS1, DS3, OC3, T1 / T3 & SONET

LAN technologies Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port- channel, VLANS, VTP, STP, RSTP, 802.1Q

Security Protocols IKE, IPSEC, SSL-VPN

Networking Protocols RIP, OSPF, EIGRP, BGP, STP, RSTP, VLANs, VTP, PAGP, LACP, MPLS, HSRP, VRRP, GLBP, TACACS+, Radius, AAA

Languages C, C++, Python, SQL, HTML/DHTML

Operating System Windows 7/XP, MAC OS X, Windows Server [...] Linux, Unix