

NETWORK ENGINEER

Summary

- Network Engineer with over 10 years of professional network experience that include in-depth knowledge of WAN and LAN architecture and equipment, including various type of Cisco routers, Cisco switches, ASA firewalls, GRE/IPsec VPNs, access control lists, policy routing, NAT/PAT, HSRP, VLANs, Ethernet (10/100/1000/10000) technologies and Wide Area Networks.
- Consistently recognized for technical troubleshooting skills used to rapidly and cost-effectively resolve challenging technical issues.
- Technology savvy self-starter, adapt at moving into new environment and extrapolate from existing experience to quickly adapt to new technology fluently.

Skills

- Wire shark, OPNET ACE, MAZU/riverbed profiler NetFlow analysis, and SNMP consoles .
- LAN Technologies:
- Ethernet (10/100/1000/10000) technologies, Spanning Tree, VLANs, InterVLAN Routing, ISL/802.1Q trunking, VTP, LACP Ether Channel , DTP, HSRP, UDLD, CGMP, QoS, basic Cisco VoIP and 6500/6800 VSS, nexus 56xx, 55xx, 7000, 20xx, and 1000 .
- Routing Protocols:
- Static Routing, NAT/PAT, EIGRP, RIP, OSPF, BGP, IGMP/CGMP, Multicasting, basic MPLS and route redistribution.
- Network Security:
- Hardening network infrastructure, Cisco ASA firewalls, IDS modules, Access lists, Policy Routing and IPSEC/SSL VPNs. and SSH.
- WAN Technologies:
- T1, Fractional T1, T3, E1, Point-to-Point, HDLC, PPP, Frame Relay, GRE, IPsec, CSU/DSU, OC3 .
- Hardware supported but not limited to:
- Cisco routers : AS1000, 7500, 7200, 4700, 3800, 3700, 3600, 2800, 1800 , 2600 and 1700.
- Cisco Catalyst : 29XX, 35XX, 36XX, 4XXX, 5XXX, 6XXX, using Cisco IOS and 6XXX using CAT OS.
- Other Cisco network equipment: Cisco PIX/ASA, Cisco content CSS, IDS and terminal servers: 2511.
- Other Devices: Cisco Wireless (WCS, controller, 802.11n), basic F5 Big-IP 8800 load balancers, Cisco voice gateways and Cisco IP phones.
- Cabling and PC Software:
- Broadband and Baseband systems , MDF and IDF, Cat5, Fiber Optics and Coax . Windows Servers,
- Microsoft Office Suite and Visio.

Experience

Network Engineer 05/2011 to Current

Booz Allen Hamilton Inc. Camp H M Smith , HI

- Routing, Switching, wireless) LAN networking equipment.

Senior Network Engineer 02/2006 to 05/2011

Frontier Communications Pensacola , FL

- Hardening Network Infrastructure to maintain PCI compliance.
- Responsibilities include, maintain all network devices and being the escalation point to any network / network security problem.
- Design, implement and maintain ACL's, VPN tunnels, Fire Walls and MPLS connections.
- Re-engineering of enterprise connectivity to credit verifications companies to have site redundancy.
- Assignment and Maintaining of all IP addresses/ports/VLANs for all Ann Taylor network.
- Responsible for the wide area network design of the worldwide Ann Taylor network and connectivity to vendors and partners.
- Responsible for designing, implementing and monitoring all Layer 2 and Layer 3 devices on the internal network.
- Maintain DMZ and Internet connections and making changes to the Firewalls and infrastructure.
- Responsible for MAZU application profiler for security monitoring and monitoring application performance.
- Design, implement and maintain redundant IPsec/GRE VPNs to over 20 remote sites.
- Implementation and support of connectivity of HP 7000 blade Centers and Servers.
- Implemented Internet network connectivity consolidation in order to reduce costs.
- Work with programmers and developers to roll out new applications and resolving performance and application issues using tools such as: OPNET ACE, Wire Shark, HTTP Watch and other software.

Technical Associate/ Senior System Engineer 01/1988 to 01/2005

Bickford Senior Living

- Proactively work on issues that arise during project implementations or during operational assignments.
- Managed a variety of projects of varying size.
- Install, configure, test and deploy network infrastructure, including Cisco Routers and Cisco Catalyst switches running as Layer 3 and Layer 2 switches.
- Provided user LAN connectivity from wiring closet to desktops.
- Managed all the cable and port testing.
- Managed the network portion of the installation process for new and relocated servers.
- Performed TCP/IP application network analysis which lead to the application being optimize by developers in order to improve the

response time.

- Assisted in a large-scale user upgrade that required a new network addressing scheme, changes of all existing hardware to new Cisco Layer 3 technologies from Cisco Layer 2 network switches structure, requiring implementation of new Fast Ethernet and Gigabit switched networks.
- Perform network analysis, problem determination and resolution for complex severity 2 and severity 3 network problems that impact business areas, such as the Global Bank Trading and e-commerce (DMZ) environments for GigaEthernet/FastEtherent/Ethernet, FDDI, Token Ring and various Wide Area Networks that have been escalated by the JPMC Network Operations Center.
- Assist in the redesigning and implementation of Ethernet campus network based on Chipcom and SynOptics to a Cisco Layer 3 network that span two 30 floors buildings.
- Was able to reduce login time on Novell PCs by 80% by re-configuring routers and moving Novell servers.
- Provide support to user community including hardware and software installations and troubleshooting, network troubleshooting and analysis (packet/frame level/Hex) using Sniffers.
- Tier-3 support for JPMorgan Chase global networks.
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Cisco Data Center Networking

- Troubleshooting of complex multi-vendor network service provider issues.
- Worked with vendors, peers, and management to enhance and implement the LAN/WAN/MAN technology Architecture.

Education and Training

M.S : Telecommunications Networks Polytechnic University City , State Telecommunications Networks

Skills

basic, BGP, Broadband, cable, Cabling, Cat5, Cisco IOS, Cisco, Cisco Routers, Hardware, content, controller, credit, CSS, CSU, designing, desktops, DSU, DTP, e-commerce, EIGRP, Ethernet, Fast Ethernet, FDDI, Fiber Optics, Firewalls, Frame Relay, frame, gateways, HDLC, HP, HTTP, IDS, IP, LAN, Access, Microsoft Office Suite, Windows, enterprise, network analysis, Network Security, network troubleshooting, Network, networking, Networks, Novell, Novell servers, OS, OSPF, PC Software, PCI, PPP, Protocols, Re-engineering, RIP, routers, Routing scheme, SSH, Servers, SNMP, SSL, switches, T1, TCP/IP, phones, Token Ring, Troubleshooting, upgrade, VPN, Visio, VoIP, wide area network, WAN, wiring