
Michael O. Bartz, CCNA

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Professional Experience:

Donet, Inc. (2006 – October 2011) – Dayton, OH – Regional ISP and CLEC, 15 employees, 1000's of customers
Senior Network Administrator

- Maintained all the network infrastructure including multi-Gigabit redundant carrier upstream connections, Cisco 7200-series routers, Cisco Catalyst 6500 VSS core layer-3 switches, and several 3000 and 2000 series Catalyst switches in two data centers
- Implemented and managed Adtran and Cisco EoCu and TDM CLEC equipment in five Dayton/Springfield area AT&T central offices
- Managed and implemented several Cisco ASA firewalls and secure IPSec VPN connections for both corporate functions as well as hosted customers
- Managed several hundred access customer connections with combinations of T1, fiber, Ethernet over Copper/Metro Ethernet, wireless and ADSL connectivity
- Performed consulting work for various customers for upgrades, new implementations, security assessments/fixes and service migrations
- Provided 24x7 on call rotation for all access and network-related hosting support
- Worked directly with customers to resolve problems with access and hosted services

YSI, Inc. (1998 – 2006) – Yellow Springs, OH – Precision sensor manufacturing company, ~400 employees
Manager, IT Infrastructure

- Managed all IT infrastructure projects and strategy
- Ensured security of all systems, data and intellectual property
- Responsible for maintaining YSI's global network infrastructure
- Managed customer service (helpdesk, PC support) for global enterprise
- Responsible for \$800,000 expense budget

Infrastructure Architect

- Designed and secured global redundant infrastructure
- Managed IT-related projects and ensured compliance with FDA auditing requirements
- Maintained servers, voice and data lines for all YSI locations

IT User and System Support

- Supported 250+ employees at locations in Ohio, Massachusetts, New Jersey, Louisiana, California, U.K. and Hong Kong
- Performed network administration of Novell file/print and e-mail systems in multiple locations

The University of Dayton (1994 – 1998) – Dayton, OH – Higher Education
Network Specialist

- Supported 2,000+ faculty, staff and students on campus and 8,000+ remote dial-in users
- WAN support included managing two T1's to OARnet as well as T1's to the UD Arena and other off-campus locations.
- Maintained 35+ Novell 4.1x/3.1x file servers, eight Unix servers (DEC Alpha, Sun SPARC & UltraSPARC, Linux x86) and three Windows NT servers

Certifications: Cisco CCNA, Novell CNA, Currently working on Cisco CCNP

Education: The University of Dayton, Bachelor of Science in Computer Science, 1994

Accomplishments:

While at Donet, Inc.:

- Developed the Ethernet Express product which allows for higher speeds over copper at a reasonable price as compared to fiber optic connections.
- Successfully migrated over 200 T1 lines from wholesale to new CLEC-provided circuits.
- Implemented redundant virtual switching solutions for two data centers to increase uptime and decrease administration costs.
- Implemented dedicated redundant SAN switching environment for VMware ESX cloud-computing platform.
- Successfully upgraded both routing and switching infrastructure several times to increase performance and reliability.
- Implemented an Asterisk/Polycom VoIP PBX system to replace a legacy proprietary system.
- Negotiated contract revisions with various telco carriers, saving the company thousands each month.

While at YSI, Inc.:

- Project manager for migration of Lotus Domino/Notes 6.5 environment to Exchange/Outlook 2003 for 270 employees.
- Project manager for Oracle 11i ERP system migration from Oracle's On Demand (formerly EBSO) ASP hosted environment to Core Services ASP. Responsible for contract negotiation, system and network architecture, organization of multiple iterations of system testing including FDA validated testing procedures, coordination of data migration (including logistical management of same-day courier delivery of data tapes) and data integrity. Successfully moved a \$7 million business system across the country over a three day weekend.
- Project manager for implementation of three NEC PBX telephone, call center and voicemail systems in three different states (OH, CA and MA). Replaced Nortel, Mitel and Lucent legacy phone systems with a digital/VoIP solution as well as replacing the systems that manage four customer service & technical support call centers. Reduced company costs by decreasing maintenance fees as well as switching to digital ISDN services for local and long distance circuits.
- Designed disaster recovery procedures for file servers and successfully tested and validated at an offsite DR facility.
- Performed on site security audits and reports of Oracle Corporation's data center in Austin, TX as well as other data centers used by YSI.
- Developed overall strategy and priorities for YSI threat management.
- Implemented a highly redundant global VPN architecture for intra-company communication as well as remote access.
- Successfully moved existing corporate data center to a new building with zero business-hour downtime; designed all facilities for this new data center.
- Managed data communication contracts including voice, video and data. Consolidated services at six offices to reduce costs and complexity of dealing with telecomm bills.
- Set up and maintained 54 Internet domains related to YSI business interests.

While at The University of Dayton:

- Created the University's web site (www.udayton.edu) in 1994 and played a key technical and strategic role on the web development team.
- Designed network infrastructure for UD Law School's new Keller Hall; implemented approximately 1,600 switched network connections.
- Part of the design team to the upgrade campus network from routed to switched network.
- Wrote dial-up authentication/authorization system based on TACACS+ protocol to provide a single username and password system for all student services.
- Established and maintained UD's TouchNet service, a Windows NT system allowing application for admission, scholarship and financial aid, access to grades, transcripts, etc. via the web and touch-screen kiosks.
- Maintained the University's main Domain Name Server (DNS) and bootp/DHCP servers.

- Created and maintained a Real Audio server for the student radio station. (flyer-radio.udayton.edu)
- Setup new Internet domains for Holy Angels elementary school (has.k12.oh.us, now holyangelsdayton.com) and Education Law Association. (educationlaw.org)

Knowledge:

- Broad technical skill set with a firm grounding in improving processes and implementing solid business improvements
- Experience from 1st level user support to highly-technical troubleshooting; from operations to systems analysis, design and implementation
- Extensive knowledge of Cisco switches, routers, ASA/PIX firewalls, VPN concentrators and clients and IPS devices
- Strong skills in BGP and OSPF routing protocols as well as 802.1q trunking, RSTP, VTP domains, QinQ tunneling, layer 2 bridging across WAN technologies and Frame Relay
- Well versed in technologies to implement redundancy including HSRP, VRRP, Cisco VSS and StackWise and active/standby firewall appliances.
- Experience in maintaining data center facilities such as CRAC units, UPSes, under-floor and above rack cabling conduits and racks as well as access control systems
- Well versed in Nagios, Cacti and Smokeping monitoring systems as well as Kiwi CatTools and Syslog servers
- Experience with both M86 Web Filter and Cisco ASA Content Security and Control modules as well as with Cisco Wireless LAN Controllers and access points
- Strong background in voice communication including PBX, voicemail and call center administration
- Administration experience with Windows, Linux, Unix, Novell NetWare, Lotus Domino, Microsoft Exchange, Veritas, Arcserve, Symantec and Trend Micro AV, FatPipe MPVPN, SAN's and server clusters
- Desktop security and application distribution via ZENworks, MS-WSUS, Shavlik HFNetChkPro
- Experience with the needs of mobile and international users
- Familiarity with regulatory requirements of ISO and FDA
- Strong customer service skills
- Excellent communication skills

Interests: Family, music, technology, retro-technology, FIRST Lego League coach

References: Available on LinkedIn and upon request