

Networking:

- Juniper: switching, routing, security, wireless
- HP/Aruba: switching, wireless
- Cisco: switching, routing, security, wireless
- TCP/UDP/ICMP/IP
- OSI model
- 802.1q VLANs
- LACP
- QoS/CoS
- IDS/IDP/UTM
- IPSec VPNs
- BGP
- VoIP
- firewall filters & policies
- security policies
- routing policies
- traffic shaping
- content filtering
- netflow/IPFIX

Operating Systems:

- JUNOS
- macOS X
- Cisco IOS
- Linux (various)
- FreeBSD
- OpenBSD
- Citrix XenServer
- Microsoft Windows Desktop, XP thru 10
- Microsoft Windows Server, NT thru 2012

Certifications:

- JNCIS-SEC (2017)
- JNCIA-Junos (2017)
- Apple Desktop Service (2001)
- A+ Certification (1995)
- Kalpana Certified EtherSwitch Engineer (1995)

Professional Skills:

- I have over 20 years of industry experience as an networking engineer, encompassing switching, routing, wireless, security, and point-to-point connectivity on platforms from multiple vendors.
- I have five years of experience managing an IT and Help Desk team, including personnel performance, department budgets, project budgets, contracts, and vendor relations.
- I believe that outstanding customer service is the foundation of success in everything: always treating everyone respectfully and professionally. This is a goal I pursue relentlessly and which informs everything that I do.
- I have repeatedly demonstrated the ability to manage, schedule, and deliver large networking projects on time and on budget.
- I have very strong communication skills with the ability to communicate complex concepts to a wide variety of audiences via written, verbal, or visual means.
- I have proven abilities to quickly master fast-changing technologies.
- I build systems – systems for connecting people to their data.

Professional Highlights:

- Managed computer and network security for multiple organizations: including writing security policy, implementing firewall/IDP/shaping policies, PCI-DSS compliance, vulnerability assessments, and ongoing security monitoring.
- Developed, planned, and implemented three campus-wide wireless networks, the most recent encompassing over 140 access points, with a fully redundant three-controller cluster providing high bandwidth, density, and availability to a campus environment that encompassed two instructional buildings, a large outdoor commons area, and seven residence halls.
- Orchestrated, managed, and budgeted the deployment of a 70-guest, 5-host, virtualization infrastructure with NAS storage, implementing iSCSI network transport, to replace an aging physical server infrastructure with the goals of reducing hardware and environmental impact while maximizing resource utilization and availability.
- Developed, planned, budgeted, managed, and assisted in the deployment of a ~300 extension VoIP phone system replacing an existing analog PBX, including accommodating ~150 existing analog POTS line in the new VoIP system.
- Managed the migration of an off-site location to a new facility, including the installation of new structured cabling, new network electronics, new wireless infrastructure, and dual-homed VPN service back to campus allowing the new location to enjoy a full "on campus" experience.
- Maintained and managed internet connectivity and security for a /16 block of public IP addresses, upgrading from 25Mbps to 600Mbps while migrating to a dual-homed BGP configuration to maximize reliability for a truly 24/7 organization.
- Building, managing, and securing, internet and network connectivity and security for organizations for over 20 years.



CERTIFIED
SPECIALIST

Greg Talmo

Software:

- wireshark
- tcpdump
- Bash
- grep, sed, awk
- Splunk
- cacti/MRTG
- Nagios XI
- BIND
- ISC DHCP
- RADIUS
- LDAP
- httpd
- Google Apps Administration
- mysql
- Microsoft SQL Server

Languages:

- XML
- YAML
- SQL
- Shell scripting
- HTML
- LDIF
- Ruby
- Perl
- Python

Education:

- Cisco Networkers Conference (2004, 2005, and 2006)
- Fundamentals of Protocol Analysis (2000)
- Advanced Protocol Analysis (2000)
- Lotus DevCon (2000)
- Winona State University, Winona, Minnesota (1989-1994)

References:

Available upon request

Employment History:

Director of Information Technology Services / Sr. Network Administrator–

Minneapolis College of Art and Design, Minneapolis, Minnesota – 2011-2017
Managed the College's IT and Help Desk departments including personnel evaluations, four departmental budgets, vendor relations, and contracts while also serving as senior network engineer. These teams provided and supported the technological tools used by all members of the College community; from day-to-day Help Desk break-fix issues, to network connectivity and core business application availability. Lead implementation of multiple school-wide projects, including transitioning to a VoIP phone system (Digium Switchvox), virtualization (XenServer) and NAS (NetApp), along with numerous system and application upgrades.

Network Administrator – *Minneapolis College of Art and Design, Minneapolis, Minnesota – 2010-2011*

Managed the College's 1200-user campus-wide and multi-site network (including managing the BGP connectivity for a /16 block of public IP addresses), provided continued infrastructure upgrades to structured cabling, network electronics (Juniper & HP), and internet connectivity while maintaining uninterrupted network availability for the 24/7/365 needs of the College and its students. Developed, budgeted, and implemented – on time and within budget – a replacement of the College's wireless network (Trapeze/Juniper).

Linux Administrator/DBs – *Minneapolis College of Art and Design, Minneapolis, Minnesota – 2009-2010*

Oversaw the operation of MCAD's Linux server infrastructure as well as administering the College's electronic directory (OpenLDAP), student information system, and database infrastructure (Microsoft SQL server, mysql). Provided school-wide database analysis, reporting, and data-transformation services.

Owner – *datavase consulting, Minneapolis, Minnesota – 2007-Present*

Operated a network consulting practice with an emphasis on the design, documentation, and implementation of data, voice, and wireless networks. Clients include Excelsior Covenant Church, CDW, LOGIS, and the Guthrie Theater.

Network Coordinator – *Breck School, Minneapolis, Minnesota – 1998-2007*

Responsible for the design, installation, and support of Breck School's network and server infrastructure. Shepherded Breck's network into an end-to-end Cisco wired and wireless network with 30 servers supporting 1200 laptops, 125 desktop computers, and more than 1500 users. Lead the implementation of a 1100 seat one-to-one laptop program at the school, including laptop preparation and imaging, server deployment, and wireless network implementation.

Interactive Services Director – *Digital Green, St. Cloud, Minnesota – 1997-1998*

Oversaw all aspects of Digital Green's technology infrastructure, including webmaster, postmaster, and hostmaster roles, managing the internet/intranet infrastructure for Digital Green and its client's websites.

Sr. Internet Specialist – *EDTECH, St. Cloud, Minnesota – 1994-1997*

Managed EDTECH's internet presence, developed and maintained customer websites hosted on EDTECH servers.

Macintosh System Administrator – *Winona State University, Winona, Minnesota – 1991-1994*

Maintained eight student Macintosh labs, expanded the campus-wide ethernet and TCP/IP network.