

# TOM AMMON

2348 Parley's Way. Apt. 5  
Salt Lake City, UT 84109  
Mobile Phone: (801) 674-9273  
tom@tomsbox.net

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**OBJECTIVE** Network Engineering Position

**EDUCATION** Weber State University – December 2008  
B.S., Telecommunications Administration

**CERTIFICATIONS** Cisco CCNP  
Cisco CCNA  
CompTIA A+

**TRAINING** RMv6TF – Advanced IPv6 Configuration and Testing – April 2012  
Cisco – Configuring BGP – Chicago, IL – March 2010  
Cisco – Implementing Cisco MPLS – Morristown, NJ – May 2009  
Cisco – Implementing Fiberchannel SANs – Seattle, WA – May 2008  
Foundry – Fundamental Routing & Switching – Irvine, CA – August 2006

**EXPERIENCE** **Network Engineering and Operations**

- Responsible for network architecture and design for all datacenter, storage, and high-performance networks at the Center for High Performance Computing.
- Supervised day-to-day operations for CHPC's production research network at the University of Utah, which includes 3 datacenters, about 70 switches and routers, 3 distinct network technologies, and about 1500 servers.
- Provided consulting expertise for high-performance network designs at other departments at the University of Utah.
- Designed, deployed and maintained fibrechannel SAN infrastructure to support central storage resources.
- Designed, deployed, and maintained 10GbE iSCSI SAN infrastructure to support central storage resources.
- Designed, deployed, and maintained Infiniband networks for various compute cluster I/O fabrics.
- Designed CHPC's most recent HPC Infiniband fabric, which includes IB-to-ethernet bridging technology.
- Worked on the SCinet team designing and building the show floor infiniband network for the SC 2009 conference.
- Worked on the SCinet team building and supporting the show floor's multi-vendor ethernet and routed infrastructure for the SC 2011 conference.
- Deployed multi-vendor (HP and Cisco) OSPF and OSPFv3 to replace a large static routing infrastructure at CHPC.
- Deployed Cisco ASA VPN in both LAN-to-LAN and remote access roles.
- Designed, deployed, and maintained network security systems (including router ACLs) to protect HIPAA-compliant storage, virtualization and compute resources.
- Deployed RHEL4 and RHEL5 linux servers for various high-performance benchmarking projects.
- Currently working on an organization-wide IPv6 deployment, including linux routers to supplement network gear that doesn't currently support IPv6.

## **Project Management**

- Led an organization-wide IPv6 deployment.
- Led a Cisco UCS deployment to test the viability of using UCS blade servers for low-latency / high performance computational problems.
- Supervised the design and implementation of a lab network and server environment for testing and proof-of-concept work.
- Designed operational processes to streamline network and datacenter operations at CHPC.
- Managed the implementation of several network monitoring system projects using Cacti and Nagios.
- Managed a successful Infiniband-over-Ethernet technology demonstration at SC09 that involved organizing engineers from six different national and regional networks, including Ames Laboratory and Internet2.

## **Communication and Presentation**

- Proficient in communicating technical processes and concepts to non-technical audiences.
- Experience instructing technical subjects.
- Experience speaking to large and small audiences in a variety of formats.

## **WORK HISTORY**

### **Network Engineer**

The Church of Jesus Christ of Latter-Day Saints  
May 2012 – Present  
Salt Lake City, Utah

### **Network / Datacenter Operations Team Lead**

Center for High Performance Computing, University of Utah  
November 2010 – May 2012  
Salt Lake City, Utah  
<http://www.chpc.utah.edu>

### **Network Engineer**

Center for High Performance Computing, University of Utah  
July 2006 – November 2010  
Salt Lake City, Utah  
<http://www.chpc.utah.edu>

### **Photo Archives and Technical Assistant**

University Communications, Weber State University  
2004 – 2006  
Ogden, Utah

### **Technical Media Assistant**

Salt Lake Community College  
2003 – 2004  
Salt Lake City, Utah

For more details on any of the projects listed above, including topology diagrams, slide decks, and recorded presentations, visit <http://tomsbox.net/resume.html> .