

Scott R. Hogg
CCIE #5133, CISSP #4610

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Overview:

With over 25 years of experience, I have been fascinated with the latest innovations in security and networking technologies. I have developed expertise in the areas of internetworking architectures, virtualization, Software Defined Networking (SDN), cloud services, data-center design, and modern security protection measures.

I have provided security consulting, technical engineering, and training services focused on creating secure, reliable, high performance, manageable, and cost effective solutions for clients. My focus has been on architecting, designing, implementing, and troubleshooting for some of the largest network security environments. I have been in an advisory role providing strategic planning and technical direction to many Fortune 1000 companies, large service providers, and U.S. Federal clients.

I enjoy constantly striving to learn more about security and network technologies, as part of my continuing education, and I like to share what I learn with others. I am detail oriented, extremely collaborative, high-energy, enjoy taking initiative, and am dedicated to my work. I am seeking dynamic, technical, and challenging employment that encompass all aspects of advanced security and network technologies to help businesses succeed at their mission.

Professional Experience:

Global Technology Resources, Inc. (GTRI): Chief Technology Officer (10/13 to Present)

Technology strategy leadership at GTRI. Perform research on technology trends, gain alignment within GTRI, and then develop IT solutions that we offered our clients. Continued to provide billable network security professional services to clients.

- External Initiatives
 - Identified and explored new technologies and partners related to our core business
 - Integrated these new technologies into GTRI solution offerings to our customers
 - Leveraged technology to drive revenue and enhance client relationships
 - Developed GTRI's go-to-market strategy and process for solutions offerings
 - Operated as an IT industry visionary and external-facing technologies
 - Performed billable client projects on a wide variety of network technologies
 - Surveyed the IT and security industries and anticipated changes and opportunities for GTRI to leverage for a competitive advantage
- Internal Initiatives
 - Focused on the scientific and technical issues within the company
 - Responsible for the transformation of capital (monetary, intellectual, or political) into technology in furtherance of the company's objectives
 - Responsible for the company's technology direction (R&D) with a focus on commercialization outcomes
 - Determined ways to improve processes and our capabilities
 - Developed our internal project lifecycle methodology
 - Looked for technologies that can help GTRI become more productive and lower costs.
 - Worked with various GTRI business units to develop a strategic technology direction for the company

GTRI: Director of Technology Solutions (4/04 to 10/13)

Lead the professional services division and also provided network and security consulting to clients. I set direction for consulting sales, marketing, solution development, and quality of delivery.

- Focused on advanced network technologies, cloud, virtualization and data-center technology offerings for our clients
- More than tripled consulting revenues in first 6 months of 2004, grew from 3 consultants to 40
- Grew annual PS revenue from \$200K to \$1.9M in first 2.5 years (2004-2006)
- Increased utilization from around 25% in 2004 to well over 65% in 2006
- Increased realization from below \$100/hr in 2004 to over \$175/hr in 2006
- Achieved many partner certifications to help drive sales and increase deal profitability
- Performed management responsibilities for consultants and engineers
- Worked with company executives to create new business models and craft new partnerships
- Responsible for strategic technical direction of the company
- Supported sales and performed business development
- Performed numerous IPv6-related projects (see IPv6 experience below)
- Deployed many large LAN switched networks and security solutions
- Upgraded many core data networks and data center networks with minimal downtime
- Implemented several caching, SLB, GSLB, SSL offload application delivery controllers
- Created scalable and secure infrastructures for several large online retailers
- Deployed MPLS networks for several large enterprises – advanced IP routing design
- Performed several NAC assessments and surveyed entire NAC market place
- Implemented many different firewall and IPS systems for clients
- Continued presenting at industry conferences, seminars, and user groups
- Helped GTRI achieve Cisco Master Security and Master Cloud Builder certifications (2010)
- Member of Enterprise Consulting Group focused on technology solutions for clients (2012-2013)

International Network Services (INS) formerly Lucent Technologies Principal Consultant (5/97 to 4/04)

Performed consulting, engineering, training, and project management for clients. Consulted to large Fortune 1000 companies, including enterprises and service providers, creating more reliable, higher performing, secure, manageable, and cost effective network solutions.

- Engineered a new MPLS-VPN network for an international IT outsourcing corporation
- Provided strategic planning and design services to large enterprise clients
- Provided high-level business consulting to clients regarding outsourcing network functions
- Developed and deployed security architectures for AAA, auditing, and filtering
- Conducted security assessments and provided strategic planning on security systems
- Performed consulting and implementation services to clients on converged technologies
- Managed Internet routing and geographical load-balancing for large Internet sites
- Assessed network performance of routing and switching designs
- Performed troubleshooting of complex computing and network systems for many clients
- Developed knowledge sharing, cross-training, and collaboration programs
- Taught several international lectures on network troubleshooting and optimization
- Created and presented an international network troubleshooting seminar series
- Presented at The Internet Security Conference TISC2001 on virtual routing technologies
- Presented at 8 regional Cisco User Group meetings on troubleshooting and security topics
- Performed technical project management and acted as team leader on many projects
- Produced more than 3000 pages of documentation and taught over 50 internal classes
- Involved in interviewing, recruiting, mentoring, leadership, and promoting corporate culture
- Assisted with business development, proposal writing, presentations, and RFP responses
- Recognized with the "Chairman's Award" (January 1999, April 2003) among other awards
- Received INS's first "Technical Excellence Award" in September 2003

interGlobe Networks: Consulting Network Engineer (2/96 to 5/97)

Performed consulting, engineering, and project management of networking systems for ISPs and corporate networks.

- Involved with design, implementation, and maintenance of ISP facilities and services
- Designed and implemented security and network management solutions for clients
- Configured and administered E-mail, DNS, and News systems for clients
- Generated approximately \$200,000 in consulting revenues in conjunction with 800 hours of internal engineering work in a single year
- Wrote over 300 pages of proposals and project deliverables
- Functioned as project manager, mentor, and team-lead

CAP Gemini America: Senior Consultant (5/94 to 2/96)

Performed consulting to clients on various engagements within greater Denver metro area.

- Deployed new network computing systems for US West's legal department
- Created secure Internet egress point for US West's MIS division
- Implemented network management systems, administered DNS, IP addressing, AAA
- Performed capacity planning for US West's client/server systems
- Grew CAP's business internally and externally by developing new procedures, deploying new corporate frame-relay network, and performing new business development

Education:

Masters of Science (MS) in Telecommunications from the University of Colorado (CU) at Boulder CO (5/1994)

Studied data communications, telephony, telecom systems engineering, cellular systems, satellite communications, telecom policy/law/regulation, management of telecom, and telecom economics. Thesis title: Evaluation of ATM as a Replacement for SS7 for Providing AIN Services

Bachelor of Science (BS) in Computer Science with a minor in Statistics from Colorado State University (CSU) at Fort Collins CO (5/1990)

Attended numerous conferences and classes including: AWS re:Invent 2016, VMWorld 2015, EMC World 2014, Citrix Partner Summit '14, IPv6 Summit ('07-'15), gogoNET LIVE 3&4, Infoblox training ('12), NANOG52, IT Roadmap ('08-'13), CSI 2010, FutureNetExpo ('09, '10), BlackHat/DEFCON ('08), Juniper JUNOS training, Cisco ACE class ('07), Cisco Security Partner VTS ('06-'08), CheckPoint NG-AI Management I & II ('05), Secure Computing Sidewinder G2 ('04), NetScout Performance Manager ('04), SANS (Baltimore '01, Denver '03, Denver '10), IETF#49, MCAST2000, TISC2001, USENIX Security '00, Cisco Networkers ('99, '00, '01, '09, '11, '12, '14, '15, '16), ICRC(95), CRLS('97), ACRC('98), CIT('99), and CVOICE('01).

Certifications:

Eligible for access to Top Secret U.S. Government Information based on a single scope background investigation completed on September 2007, and September 2012.

Cisco Enterprise Networks Core and WAN Essentials (ENCWE) (Nov 2016)

Cisco CCNA Wireless (Nov 2016)

Cisco Advanced Security Architecture for System Engineers (ASASE) (Aug 2016)

(ISC)2 Certified Cloud Security Professional (CCSP) (2016)

VMware Certified Associate 6 – Network Virtualization (VCA6-NV) (2015)

VMware Technical Solutions Professional – Network Virtualization (VTSP-NV) (2015)

AWS Certified Solutions Architect – Associate (2015)

ACI for Field Engineers Exam (ACIFE) (2015)

ACI for Account Manager Exam (ACIAM) (2014)

Cisco Application Centric Infrastructure for System Engineers (ACISE) (2014)

Cisco/Sourcefire Certified Security Engineer (SFCSE-NGFW-NGIPS) v5.2 (2014)

Cisco/Sourcefire Certified Security Engineer AMP (SFCSE-AMP) v4.4 (2014)
Citrix Certified Professional – Networking (2014)
FireEye Certified Associate (FCA) (2014)
Palo Alto Networks Accredited Configuration Engineer (ACE) (2013)
Palo Alto Networks Accredited Sales Expert (ASE) (2013)
VMware vCloud Hybrid Service – VTSP-Hybrid Cloud Technical Sales Accreditations (2013)
CSA Certificate of Cloud Security Knowledge (CCSK) version 3.0 (2013)
Certified Infoblox Support Technician (CIST), passed Professional Services exam (2012) - Expired
Certified Infoblox Core Engineer (CICE) (2012) - Expired
Certified Infoblox Core Administrator (CICA) (2012) - Expired
Information Technology Infrastructure Library (ITILv3) Foundations exam (2011)
Cisco Routing and Switching Field Specialist (2008)
Cisco Advanced Wireless LAN Design Specialist (2006)
Cisco Advanced Wireless LAN Field Specialist (2006)
NetScout Performance Manager Certification (2005) - Expired
CheckPoint NG-AI CCSA/CCSE (2005) - Expired
Secure Computing Sidewinder G2 6.1 certification (2004) - Expired
Fortinet Certified Systems Engineer (FCSE) (2004) - Expired
Foundry Certified Network Engineer (FCNE) (2004) - Expired
Cisco IP Telephony Support Specialist (CIPTSS) (2003) - Expired
Cisco IP Telephony Design Specialist (CIPTDS) (2003) - Expired
CCIE Routing and Switching (#5133) (Sept. 1999) - 16 year CCIE (Recertified 2015)
Cisco CCNA, CCDA, CCNP (1999) - Expired
(ISC)2 Certified Information Systems Security Professional (CISSP) (#4610) (1998) – Currently Active

Security and Networking Technical Skills:

Experience assessing, planning, and deploying the latest network security systems
Experience planning, deploying, and troubleshooting stateful packet firewalls and application firewalls and content filtering systems
Experience deploying and tuning intrusion detection/prevention systems and Security Information Event Management systems that monitor and alert to security incidents
Experience with AAA, identity and access management solutions for enterprises and for the cloud
Knowledge and experience deploying VPN systems using IPsec and SSL encryption methods
In depth knowledge of multi-vendor TCP/IP Internet routing, switching, and broadband telecom and service provider technologies and architectures
Experience designing and deploying cloud-based and hybrid-IT architectures, network virtualization, data center interconnect (DCI), virtual network overlays, and data center networking and security technologies
Knowledge and experience with Software Defined Network (SDN) technologies, network programmability and network automation software methods
Extensive experience with high availability web application design and load balancing solutions
Experience implementing network management systems and IT operations best practices
Extensive knowledge of UNIX and Microsoft operating systems and Internet applications
Experience troubleshooting, optimizing network performance, and increasing operational reliability
Hands-on experience with the gamut broadband WAN technologies and telephony systems
Experience with wireless technologies and applications

Cloud Knowledge and Experience:

Presented on Cloud Security at Denver (ISC2) Chapter meeting Sept 15th, 2016
Wrote blog on Cloud Security Training and Certification
<http://www.networkworld.com/article/3041326/cloud-security/cloud-security-training-and-certification.html>
<http://www.cio.com/article/3041327/cloud-security/cloud-security-training-and-certification.html>
Achieved (ISC)2 Certified Cloud Security Professional (CCSP) (2/25/2016)

<https://www.isc2.org/ccsp/default.aspx>

Attended (ISC)2 CCSP - Certified Cloud Security Professional (CCSP) On-Demand Class

Read Docker Up and Running, O'Reilly, By Karl Matthias, Sean P. Kane, O'Reilly

Achieved AWS Solutions Architect – Associate Certification – passed 7/10/15

Completed Coursera – 5-week Cloud Networking Class, Fall 2015

Completed Coursera 5-week Cloud Computing Applications, Summer 2015

Passed AWS Technical Professional Certification – 4/26/15

Attended 1-day AWS Tech Essentials – June 1

Attended 3-day Architecting on AWS class – June 29-July 1

Wrote blog on IPv6 and OpenStack, 8/17/2014

<https://community.infoblox.com/blogs/2014/08/17/ipv6-and-openstack>

Read Cloud Computing: Automating the Virtualized Data Center, By: Venkata Josyula; Malcolm Orr; Greg Page, Cisco Press

Read Designing Networks and Services for the Cloud: Delivering business-grade cloud applications and services, Cisco Press

Attended many OpenStack Denver MeetUp events/meetings

Achieved VMware vCloud Hybrid Service – VTSP-Hybrid Cloud Technical Sales Accreditations (2013)

Achieved Certificate of Cloud Security Knowledge (CCSK) Version 3 from the Cloud Security Alliance on March 22, 2013

Performed several weeks of independent study on cloud technologies (2013)

SDN Knowledge and Experience:

Presented on SDN and SDN Security to the U.S. Federal ACT-IAC Group – Sept 16, 2016

Coordinated Cumulus Networks network programmability meeting – June 27, 2016

<http://www.meetup.com/Denver-NPUG/events/231138227/>

Wrote blog on Converge Your Teams for Greater SDN/NFV Benefits

<https://communities.cisco.com/people/shogg@gtri.com/blog/2016/06/14/converge-your-teams-for-greater-sdnfv-benefits>

Presented GTRI Web Seminar – SDN Security - June 9, 2016

<http://www2.gtri.com/acton/media/1454/sdn-security-webinar-landing-page?sid=PYGetsMWu>

<http://www.slideshare.net/GlobalTechnologyResourcesInc/sdn-security-two-sides-of-the-same-coin>

<https://www.youtube.com/watch?v=4Z1iiWC-ChI>

Coordinated Arista network programmability meeting – May 10, 2016

<http://www.meetup.com/Denver-NPUG/events/230151312/>

Wrote Featured Article on Network World: 5 reasons to move to an SD-WAN

<http://www.networkworld.com/article/3045230/software-defined-networking/5-reasons-to-move-to-an-sd-wan.html>

Gave NPUG presentation on N9k is scheduled for Jan 7th

<http://www.meetup.com/Denver-NPUG/events/227916400/>

Presented NX-OS Programmability at internal GTRI Engineering Forum – February 11

Participated in Cisco Champion's Radio – Open NX-OS – January 12/2016

<https://communities.cisco.com/groups/cisco-champions>

I did a Cisco Champions Radio podcast on Tuesday January 12. Ryan Booth and I interviewed Shane Corban and Parag Deshpande on the topic of Open NX-OS. Here is the link for the podcast. <http://blogs.cisco.com/perspectives/cisochampion-radio-s3ep-1-open-nx-os-enabling-a-dev-ops-driven-data-center>

Gave Denver NPUG Presentation – January 7th - Cisco Nexus 9000 NX-OS Network Programmability

<http://www.meetup.com/Denver-NPUG/events/227916400/>

Presented SDN and VMware NSX Web Seminar – February 3rd

https://www.youtube.com/watch?v=t_3DpN3nIXQ

Presented Introduction to SDN – March 10th

<http://www2.gtri.com/acton/media/1454/intro-to-software-defined-networking-webinar>

<https://www.youtube.com/watch?v=gRXnctYDBjE&feature=youtu.be>

Contributed to Foundations of Modern Networking: SDN, NFV, QoE, IoT, and Cloud, by William Stallings

I am mentioned in the acknowledgements of this book because I gave him a SDN Security diagram and I tech-edited the Security chapters.

Attended GNS3 Academy SDN and OpenFlow online class, by David Bombal

Attended GNS3 Academy Python and Network Automation: Build 7 Python Apps online class, by Minhai Teodosiu

Formed Denver Network Programmability User Group (NPUG), first NPUG meeting Sept 23, 2015

<http://www.meetup.com/Denver-NPUG/>

Created demonstration environment using Nexus 9000 switches running NX-OS mode, programmable using python, NX-API, Restful API, and Ansible

Read Arista Warrior, A Real-World guide to Understanding Arista Switches and EOS, By Gary A. Donahue, Publisher: O'Reilly Media, October 2012

Achieved VMware Certified Associate 6 – Network Virtualization (VCA6-NV) – passed 9/17/15

Achieved VMware Technical Solutions Professional – Network Virtualization (VTSP-NV) – passed 9/19/15

Organized study group for 8-week Coursera SDN online class starting May 25, 2015

Read Introducing Python: Modern Computing in Simple Packages, By: Bill Lubanovic

Attended Open Networking Summit (ONS) in Santa Clara – June 15-18, 2015

Read The Policy Driven Data Center with ACI: Architecture, Concepts, and Methodology, Cisco Press, by Lucien Avramov and Maurizio Portolani

Created Cisco IWAN demonstration laboratory using ISR4000s, CPI, LiveAction and APIC-EM

Presented at ISC² Security Congress 2015 (Sept 28-Oct 1, 2015) ASIS International 61st Annual Seminar and Exhibits, Presentation on SDN Security

<https://congress.isc2.org/>

Wrote blog on Different Personalities of the Nexus 9000 in NX-OS Mode

<https://communities.cisco.com/community/technology/datacenter/data-center-networking/nexus-series-switches/blog/2015/06/06/different-personalities-of-the-nexus-9000-in-nx-os-mode>

Wrote blog on Is an SDN Switch A New Form of a Firewall?

<http://www.networkworld.com/article/2905257/sdn/is-an-sdn-switch-a-new-form-of-a-firewall.html>

Presented at Rocky Mountain Information Security Conference (RMISC) – May 12-13 2015, Presentation on SDN Security

<http://rmisc.squarespace.com/>

Completed 4-week Python 2 class through Coursera

<https://www.coursera.org/course/interactivepython2>

Passed Cisco ACI for Field Engineers Exam (ACIFE) (2015)

Attended 1-week Cisco ACI for Field Engineers class – Jan 26 – 30, 2015

Passed Cisco ACI for Account Manager Exam (ACIAM) (2014)

Passed Cisco Application Centric Infrastructure for System Engineers (ACISE) (2014)

Completed 5-week Python 1 class through Coursera

<https://www.coursera.org/course/interactivepython1>

Established a Cisco ACI/APIC customer demonstration environment using Cisco ACI Simulator

CU ITP Masters capstone project advisor – SDN for Online Gaming

Wrote blog on With Cisco ACI, Do You Still Need A Firewall?

<https://communities.cisco.com/people/shogg%40gtri.com/blog/2015/03/02/with-cisco-aci-do-you-still-need-a-firewall>

Attended Colorado Internet Society (CO ISOC) event on SDN and Nfv 8/22/14

Took SDN for Network Engineers 2-day SDN class from SDN Essentials

Worked on SDN Assessment, Design and Planning SOW

Developed several demonstration laboratories using open source and vendor SDN controllers and switches

Wrote blog on Promise Theory, 7/1/2014

<http://www.networkworld.com/article/2449562/sdn/promise-theory-mark-burgess-cfengine-sdn-cisco-aci-apic-opflex.html>

Wrote blog on OpenFlow Supports IPv6 Flows, 7/31/2014

<http://www.networkworld.com/article/2460169/ipv6/openflow-supports-ipv6-flows.html>
Wrote blog on SDN Security Attack Vectors and SDN Hardening, 10/28/2014
<http://www.networkworld.com/article/2840273/sdn/sdn-security-attack-vectors-and-sdn-hardening.html>
Gave VXLAN presentation to the Denver SLED VMware User Group – 11/18/14
<http://www.vmug.com/coloradosled>
Gave NASA – Marshall Space Flight Center (MSFC) presentation on SDN Security – 10/31/14
Presentation on IPv6 and OpenFlow at the 2014 North American IPv6 Summit – 9/25/14
<http://www.rmv6tf.org/na-ipv6-summit/2014-na-ipv6-summit/2014-agenda>
Read Think Python, O'Reilly
Familiar with many SDN systems and set up these SDN systems: Mininet, POX, NOX, OpenDaylight, Floodlight, HP VAN Controller, Cisco APIC-EM, Cisco XNC, Cisco OnePK
Took 8-week class on Software Defined Networking (SDN) through Coursera – Started May 26, 2014
<https://www.coursera.org/course/sdn>
Wrote blog on Clos Networks: What's Old Is New Again
<http://www.networkworld.com/community/blog/clos-networks-%E2%80%93-what%E2%80%99s-old-new-again>
Read SDN: Software Defined Networks, by Thomas D. Nadeau, Ken Gray, O'Reilly
Read NX-OS and Cisco Nexus Switching: Next-Generation Data Center Architectures (2nd Edition), Cisco Press
Briefed many customers and SDN and Cisco ACI
Wrote blog on Using SDN to Create a Packet Monitoring System, 12/15/13
<http://www.networkworld.com/community/blog/using-sdn-create-packet-monitoring-system>
Presented on VXLAN at Denver VMware User Group (VMUG) meeting on March 13, 2013.
Presented on VXLAN at the Rocky Mountain Cisco User Group (RMCUG) meeting on April 10, 2013.
Performed many weeks of independent study on SDN technologies (2013)

IPv6 Experience:

Chair Emeritus - Rocky Mountain IPv6 Task Force (2015 to Present) (Chair 2007-2015)
Member - North American IPv6 Task Force

Authored Cisco Press book on IPv6 Security (published 2009) ISBN: 1587055945.
<http://www.ciscopress.com/bookstore/product.asp?isbn=1587055945>

Author of a Blog at NetworkWorld.com on Core Networking and Security
<http://www.networkworld.com/blog/core-networking-and-security/>

Member of Infoblox IPv6 Center of Excellence (COE) and blog contributor
<https://community.infoblox.com/t5/user/viewprofilepage/user-id/21251>

Performed IPv6 assessments and drafted IPv6 transition plans for U.S. Federal organizations.
Assisted U.S. Federal organizations with IPv6 education, technology, and strategy
Assisted several service providers with their IPv6 planning and IPv6 security strategies
Assisted some of the largest collocation and hosting service providers with their IPv6 transition plans and provided them IPv6 training
Currently involved in early IPv6 deployments for commercial organizations
Performed several early deployments of IPv6 technologies for companies
Performed extensive research and testing on IPv6 technology
Specializing in IPv6 network design and security

Gave presentations on IPv6 technologies to numerous clients and industry groups:
Presented on IPv6 Security at Dallas / Fort Worth Cisco User Group – October 5, 2016
Presented on IPv6 Security at Cisco Live - TECRST-2166 - An Immersive Journey into IPv6 – July 10, 2016

Presented on Planning for IPv6 Deployments to the Mile Hi PMI Group – June 22, 2016
Presented at NANOG On The Road #11 – Presentation on “Successfully Deploying IPv6”
Presented at Infoblox BloxFest – DDI-16 – IPv6 in the Enterprise – May 18, 19, 2016
Presented week-long IPv6 training classes for several clients – Spring/Summer 2016
Presented at NANOG On The Road #9 - Successfully Deploying IPv6 – Nov 17 (St. Louis MO)
Presented at Federal Face-2-Face IPv6 event in DC – November 2015
Presented several week-long IPv6 classes for NASA – Fall 2015
Infoblox IPv6 Security Web-Seminars/Videos – Sept 15, 30, Business Risks of the IPv6 Enabled Network, Securing IPv6 against New & Evolving Threats
Presented on IPv6 at the Tribal Telecom Conference – May 2015
Presented to the Federal ACT – IAC group on IPv6 Security – March 2015
Presented on IPv6 at several NANOG On The Road events (5, 7, 9) in 2015
Presented to Federal ACT – IAC group on IPv6 Adoption – October 2014
Presented on IPv6 Attack Tools at TakeDownCon in Huntsville – August 2014
Presented week-long IPv6 training classes for several clients – Summer 2014
Presented 3-day IPv6 Security deep-dive class for a security manufacturer – Summer 2014
Presented on Planning for IPv6 Deployments to the Mile Hi PMI Group – February 26, 2014
Presented on IPv6 Security for gogo6 IPv6 training series – February 2014
Participated in IPv6 Security panel at gogoNET LIVE 4! – November 2013
Taught an on-site open enrollment IPv6 class at GTRI – November 2013
Presented on-site IPv6 training for a number of organizations – 2013
Presented on IPv6 security at Hacker Halted conference in Atlanta (August 20, 2013)
Presented on IPv6 Security at the Digital Government Institute (DGI) IPv6 event (August 21, 2013)
Presented on IPv6 at the Network World IT Roadmap Events - 2013
Presented on IPv6 Troubleshooting at gogoNET LIVE! 3 - November 2012
Presented at Colorado Internet Society (CO ISOC) IPv6 Event - August 28, 2012
Taught numerous IPv6 training classes during summer of 2012
Presented at Infoblox IPv6 Center of Excellence Event June 7, 2012
Presented Advanced IPv6 Pre-Conference Tutorial - IPv6 Summit - April 2012
Presented at Network World "The Critical Path to IPv6" - December 13, 2011
Presented at IEEE Globecom in Houston, TX, IPv6 Seminar - December 7, 2011
Presented on IPv6 in Salt Lake City Utah - November 2, 2011
Presented on IPv6 Security at Interface 2011 Denver - October 18, 2011
Presented on IPv6 and taught many IPv6 training classes - Fall 2011
Presented on IPv6 Security at Interface 2011 Denver - July 28, 2011
Participated in World IPv6 Day - June 8, 2011
Presented full-week IPv6 training classes to several of the largest service providers in North America - Spring & Summer 2011
Presented pre-conference hands-on IPv6 tutorial at the 2011 Rocky Mountain IPv6 Summit - April 25, 2011
Presented on IPv6 for CCNPs at the Rocky Mountain Cisco User Group meeting - March 31, 2011
Presented on IPv6 Security at the CSI 2010 conference - Oct 26-29, 2010
Presented on IPv6 Security at the Australian IPv6 Summit - Oct 18-20, 2010
Presented on IPv6 Security at the Texas IPv6 Summit Event - Oct 11-12, 2010
Technical reviewer of "Implementing Cisco IP Routing (ROUTE) Foundation Learning Guide: Foundation learning for the ROUTE 642-902 Exam" book chapter on IPv6.
Coordinated 3rd annual Rocky Mountain IPv6 Summit - May 26-27, 2010
Presented at Rocky Mountain IPv6 Summit on IPv6 Security for Service Providers
Participated in IPv6 experts panel at FutureNet Expo 2010 in Boston
Provided input to NIST SP 800-119 DRAFT Guidelines for the Secure Deployment of IPv6
Presented on IPv6 at the Seattle Cisco User Group meeting October 21, 2009
Presented IPv6 training to several clients in the Fall of 2009
Presented on IPv6 Security at the FutureNet Expo – May 4-7, 2009
Coordinated 2nd annual Rocky Mountain IPv6 Summit - April 21-22, 2009
Presented on IPv6 Technology and Drivers and IPv6 Security at the Rocky Mountain IPv6 Summit – April 21-22, 2009

Attended Google IPv6 Implementors conference - March 19-20, 2009
Presented on IPv6 and technology update at Cisco Federal DOD Tech Update - February 17-18, 2009
Presentation on IPv6 Security at the Colorado Information Management Association Fall 2008 conference - October 3, 2008
Coordinated 1st annual Rocky Mountain IPv6 Summit - April 16-17, 2008
Presentation on IPv6 Security to the Rocky Mountain Cisco User's Groups - April 16-17, 2008
Coordination of Rocky Mountain IPv6 Summit - April 9, 2008
Presentation on IPv6 Security at Rocky Mountain IPv6 Summit - April 9, 2008
Presentation on IPv6 to the Phoenix Cisco User's Groups - March 18, 2008
Full-day presentations on IPv6 at Cisco Federal DOD Tech Update - March 12-13, 2008
Presented web seminar on IPv6 Security - September 20, 2007
Presented on IPv6 at the Rocky Mountain Windows Technology User Group, September 18-19, 2007
Network World article "IPv6: Dual stack where you can; tunnel where you must", September 5, 2007
Presented on IPv6 Security at Cisco IPv6 Partner Summit - July 2007
Presentation on IPv6 Security at Rocky Mountain Internet Security Conference - April 5, 2007
Presentation on IPv6 Migration Best Practices at FOSE 2007 - March 20, 2007
Full-day presentations on IPv6 at Cisco Federal DOD Tech Update - March 7-8, 2007
Attended Cisco IPv6 Partner Summit - February 2007
Attended IPv6 Federal Summit 2006
Presentation on IPv6 to the Rocky Mountain Cisco User's Groups - April 2006
Presentation on IPv6 at Cisco Federal DOD Tech Update - February 18-19 2006
Presented on IPv6 at the Rocky Mountain Cisco User's Groups - December 2003
Provided IPv6 training to INS consultants winter 2003
Attended IPv6 Global Summit 2003
Provided IPv6 training to International Network Services (INS) consultants winter 2001