

# Wayne Griswold

## Senior Network Engineer

### Technical Expertise

#### Multicast & Content Distribution

(2003-2009)

- Multicast; PIM Sparse-Dense; Auto-RP; RPF; Mroute; DVMRP; IGMP/CGMP; UDLR; IP/TV; Video over IP; Content Distribution Network/CDN: ACNS; Content Engines; CE565, WAE611/612; Caching: WCCP.

#### Cisco Routers

(1998-2010)

- Cisco IOS; Routers: 6500/SUP720, 7200, 3800, 3700, 3600, 2600, 2500, 1600; Switches: 6500, 3500, 2900; Aironet AP1100; Cable: UBR-7111/7114, UBR-905; CiscoWorks; Kiwi CatTools.

#### Server Administration

(1992-2010)

- VMware ESX-3.5i, Server, Virtual Center, Converter; Win2003/Win2K-Server; WinNT-4.0/3.5i; PDC/BDC; Novell-4.1/3.12; RedHat Linux, BSD; DHCP; WINS; SCSI: LVD/SCA; SATA; RAID-1+0/1/5; DLT; ARCserve; KVM-over-IP; ERD-Commander; Dameware/RDP; Data Recovery; Scripting; Patching; Security.

#### LAN Network Topology

(1992-2010)

- IP Subnetting/Masking; IPv6; VoIP; VLAN; VPN/DMVPN; NAT; RIP, OSPF, EIGRP; HSRP; TCP/IP; Novell-IPX/SPX; NFS; Twisted-Pair, Coax, Fiber, Fiber Channel; SolarWinds; Visio; Fluke.

#### Security

(1998-2009)

- Cisco ACS, TACACS, AAA; Access Lists, ACL; Nisun Probe; NIST Security Certification & Accreditation; IPSEC; CERT; PKI; HTTPS/SSH; SSID/WEP; Putty; nMap; Ethereal, Microsoft Baseline Security Analyzer.

#### WAN Network Topology

(1998-2007)

- Mobile-VSAT Contingency WAN; VoIP/SIP Phone; 802.11; Channelized-T1; Fractional-T1; FR/ATM; DS0/DSU; CSU/DSU; ISDN:BRI/PRI; MUX/iMUX; RAS; PPP; PSTN/POTS; Cable: CMTS/CNR, DOCSIS.

#### Services and Servers

(1995-2004)

- DNS, News, POP/SMTP Mail, SNMP, Radius, FTP/TFTP; Perl; MRTG; HTTP Servers: Apache, Cobalt, Netscape-Enterprise, MS-IIS; WMS; MS-Exchange-Server; QuickBooks-Server; Track-It!; MS-SQL Server.

### Employment History

2003-2007 and 2008-2009

*Independent Federal Consultant*

Saint Louis, MO

#### Senior Network Engineer

Orlando, FL

- Department of Veterans Affairs: Content Delivery Network Project : Lead Engineer on one of the VA's largest National projects delivering Multicast Video over Satellite to 200,000 desktops at 1200 VA Hospital and Clinic sites. Coordinate and assist in onsite installation of the VA's Content Delivery Network, consisting of 200 Cisco Routers and 600 Content Engines. Manage all aspects of Cisco device configuration, monitoring and maintenance. Facilitate over 100 Hospital LAN Engineers in deploying and troubleshooting Multicast across their widely diverse network topologies. Assess platform needs and involve Cisco resources as needed. Collaborate extensively with Cisco Business Unit and Development Engineers. Administer the Core CDN Platform Uplink Equipment, Cisco 6500/7200, Cisco CDN Devices, IP/TV Encoders, and multi-Terabyte SAN. Deliver 5 channels of live Multicast Video and 1000's of Content on Demand programs to edge storage devices via Satellite Multicast.
- Department of Veterans Affairs: Satellite Contingency WAN : Configure Rapid-Deploy Mobile VSAT Units. Pilot phase of a developing National VA Project to implement a Satellite-based Contingency WAN linking all VA hospitals, providing secure data, voice, fax, and wireless.
- Department of Labor, Job Corps: Content Delivery Network Platform : Troubleshoot, Document, Assess, and Enhance Job Corps' 130-site Cisco Content Delivery Network. Integrated Multicast Content Delivery, Prepositioned Content, WCCP caching, and Access Control.
- Department of Veterans Affairs: Data Center VMware: Install, configure & deploy multiple VMware ESXi Servers in the VA Hines Data Center, Chicago. Covert multiple physical servers into VMware.

2007-2008

*Integrated Solutions Group (ISG)*

Springfield, MO

#### Cisco Pre-Sales Engineer

- Prepare Statement of Work documents and Project Plans. Accompany sales staff on client opportunity meetings. Give solution presentations and perform Network Assessments for clients. Build Cisco Unified Communications and Network Admission Control labs for technical staff training and familiarization.

<p><b>Employment History</b> (continued)</p>	<p>1998-2003 <i>Computer Connection U.P.</i> Iron Mountain, MI  <b>Network Administrator</b></p> <ul style="list-style-type: none"> <li>• Individually maintain all technical aspects of the Internet Service Provider (ISP) Local and Wide Area Network (LAN, WAN) and Server operations. Including Dial-up, ISDN, Wireless &amp; Cable Broadband, VPN, VoIP, and Dedicated Services at Points of Presence (POPs) in six counties serving 6000+ residential and business customers. Perform service calls for Business Networks throughout a six county region.</li> <li>• Designed, built, installed, configured, and maintained the entire ISP Network which consisted of: (22) Cisco Routers (3600/1600/7100); (15) Dual-CPU/RAID Servers; (39) T1 Circuits; (21) Class-C Subnets; (740) RAS Ports; (6) Wireless Nodes. Supervised two Assistant Network Administrators and four PC Technicians. Serviced over 50 Business Networks having a broad range of network topology.</li> </ul> <p>1995-1998 <i>GE Medical Systems</i> Waukesha, WI  <b>Senior Systems Administrator</b></p> <ul style="list-style-type: none"> <li>• Design, build, install, and maintain all Servers and Advanced Workstations for two departments with over 80 personnel. Train 3D-Studio and Photoshop Animators. Attend Technology Conferences nationwide.</li> <li>• Established MultiMedia R&amp;D Lab (1995) and co-established the Advanced webTeam (1997), which provide interactive and online content for multiple GE divisions worldwide. Primary duty was building and maintaining Mission Critical Servers throughout the business; and systems integration between various RISC, MIPS &amp; Intel platforms. Additional projects included: Satellite Internet Multicasting, Streaming Video/Audio, Broadcast Studio Graphics and Animations, QuicktimeVR Programming.</li> </ul>
<p><b>Military Service</b></p>	<p>1982-1992 <i>United States Navy</i> San Diego, Orlando, Guam  <b>Electronics Technician, Active Duty</b></p> <ul style="list-style-type: none"> <li>• Air Traffic Control Radar Technician; Military Police; Naval Security Team Leader; Nuclear Power School; Electronics Technician: Radar and Communications; Naval Police Academy; CPR/Emergency Medical.</li> <li>• Good Conduct Medals (x2); Expert Marksmanship; National Defense Service Medal, Gulf War era service; EEAP College Program; Operation Red Cell; Top Secret Security Clearance; Honorable Discharge.</li> </ul>
<p><b>Education</b></p>	<p>University of Wisconsin, Milwaukee, 1994  <b>Bachelor of Science - Architectural Technologies</b></p> <ul style="list-style-type: none"> <li>• Cisco Advanced Router Configuration (ACRC), 1998</li> <li>• Cisco Intermediate Router Configuration (ICRC), 1998</li> <li>• 3Com Commworks Total Control RAS, 2002</li> <li>• Cisco Certified Sales Expert (CSE), 2008</li> </ul> <p><b>Security Clearance – Active</b>  Confidential (Active); Top Secret (Inactive)</p> <ul style="list-style-type: none"> <li>• Volunteer Fireman, 2006-2010</li> <li>• First Responder Medical, 2007</li> <li>• Homeland Security HazMat, 2007, 2009</li> <li>• Concealed Carry Weapon License, 2006</li> </ul>
<p><b>Businesses</b></p>	<p><b>Owner</b> <i>Northern Router Sales</i> 2000-2002 Iron Mountain, MI  • Independent Cisco Reseller. Purchased and sold \$450,000 of Cisco Networking Hardware worldwide.</p> <p><b>Co-Owner</b> <i>Electric Sheep Studios</i> 1996-1998 Palm City, FL  • Systems Design and Architectural CAD Animation. Major accounts: Lockheed Martin (NASA), Association for Retarded Citizens.</p> <p><b>Principle Partner, Treasurer</b> <i>NorthernLights Interactive</i> 1995-1997 Sussex, WI  • Systems Analyst, Multimedia Designer for a firm specializing in Interactive Media and Instructional Design. Major accounts: DowElanco, Milwaukee Tool, Northwestern Mutual.</p> <p><b>Founder/Owner</b> <i>Vision Studios</i> 1992-1995 Milwaukee, WI  • Network Administration, System Design &amp; Integration for a firm specializing in Architectural Animation. Built a Distributed Rendering network for generating large Animations. Presented several lectures on Virtual Reality. Supervise four Animators and manage all client negotiations. Major accounts: AT&amp;T, General Electric, Mercury Marine, UWM-Madison, Wisconsin Lake Schooner.</p>