101

TECHMENTOR

C O N F E R E N C E S

Network and Certification Training for Windows Professionals

San Jose, CA

October 17-21, 2005

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Over 90 sessions categorized into tracks:

Cisco Certified Network Associate (CCNA)/Infrastructure	Microsoft Certified Systems Administrator (MCSA)	Microsoft Certified Systems Engineer (MCSE)
Scripting	Security / Windows/Linux Integration	System and Network Troubleshooting

TechMentorEvents.com

TechMentor San Jose: Spread Your Wings

This fall's TechMentor goes beyond the basics—even beyond Windows! The premiere conference for IT pros is expanding its offerings to cover more of what you do in your job every day, adding coursework on Linux and Cisco. Windows, of course, remains at the core of what we do; but you've got more on your network than just Windows; you need to know how to manage and secure Linux servers, routers and your entire network infrastructure.

Another unique aspect of TechMentor is its certification preparation, offering courses to get you ready to take the MCSA and MCSE exams. For our San Jose show, we've added training for another certification essential for any administrator: the Cisco Certified Network Administrator (CCNA). If you have networking, routing or firewall responsibilities, this is where you need to be.

So what else is new at TechMentor? Security! Well, security isn't new; we've had great security content all along. The difference is that now we've added it to our track style of training, building step-by-step to cover the basics and working up to more advanced coverage of higher level issues.

You'll also be glad to know we've retained the best content from previous shows. Along with our MCSA and MCSE training tracks, we've kept the Scripting and the Troubleshooting track, helping you resolve the thorniest problems you face in running your network.

All this information and training is served up by some of the best names in the business, including Mark Minasi, Don Jones, Steve Riley, Roger Grimes, Todd Lammle, Derek Melber, Bruce Rougeau and more. All the knowledge in the world does no good if the instructor can't explain it to you in a clear and entertaining way; that's where our speakers shine.

It all adds up to the best technical conference anywhere: thorough and deep Windows information, network infrastructure coverage, saturation bombing of security topics and hard-core Linux instruction to make your network hum. If you're ready to soar beyond the boundaries of what you thought you could do, set your sights on San Jose and join us for a week of learning that will give you a new perspective on your future.

Best,

Keith Ward

Keith Ward
Chairman, TechMentor Conference

Why Choose TechMentor?

When you attend a TechMentor conference, you have personal access to the most respected instructors in the industry. Since 1998, TechMentor has provided in-depth, technical training from world-class instructors for thousands of Windows networking professionals. Our attendees leave fully capable to manage their networks smarter, faster and more effectively. Did you know that…

> More than 90% of TechMentor attendees say they would attend again.
> Our instructors are also authors, giving attendees real-world information.
> The same networking experts that write for *Redmond* magazine and MCPmag.com produce the content of TechMentor.
> TechMentor is an independent organization providing objective assessments of products and vendor-neutral advice.

Who Should Attend

> Systems Administrators
> Network Administrators and Managers
> Network/Systems Engineers
> MCPs, MCSAs and MCSEs
> IS/IT Managers and Directors
> Security Specialists
> Help Desk / Tech Support Professionals
> IT/Network/Systems Analysts
> Consultants

Exhibit Hall

Tuesday, October 18

Exhibit Hall Open	11:45am - 2:30pm
Exhibit Hall Open & Reception	4:30 - 7:00pm
Consulting Hour	4:30 - 5:30pm

Wednesday, October 19

Exhibit Hall Open	11:45am - 2:00pm

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INSTRUCTORS

Dan Aguilera, V.P. at GlobalNet Training, Inc, is a CCNP/CCSP and Cisco Certified Voice Professional (CCVP), as well as a Certified Ethical Hacker (CEH) and Computer Hacking Forensic Investigator (CHFI), with over 15 years of networking experience.

Roger A. Grimes, CPA, MCSE:Security (NT/2000/2003/MVP), CISSP, CEH, CHFI, TICSA is the author of over 150 magazine articles and 5 books on Windows security. He's a consulting favorite for some of the world's largest companies, including Microsoft, McAfee, Navy, Army, Verisign, and Bridgestone/Firestone. His sessions are highly ranked for their useful advice, technical detail, and humor.

Jeff Hicks MCSE, MCT, is a Senior Network Engineer with Visory Group, as well as principal consultant of JDH Information Technology Solutions. He has been in the IT industry for over 14 years, doing everything from help desk support to project management. He is currently a contributing editor to ScriptingAnswers.com.

Don Jones is the owner of ScriptingAnswers.com, a contributing editor to *Redmond* magazine, and a columnist on CertCities.com and MCPmag.com. Don has written more than a dozen I.T. books, including *Managing Windows with VBScript and WMI* (Addison-Wesley). Don is also an independent technology consultant, with a focus on security and automation in Microsoft-centric environments.

Todd Lammle, CCNA/CCNP/CEH/CEFI/FCC RF Licensed, popular Sybex author and trainer, has been involved in computers and networking with Fortune 500 companies for over two decades. He has worked for companies such as Hughes Aircraft, Xerox, Texaco, Toshiba, Cisco, AAA, and IBM to consult on both bounded and unbounded media technologies. Todd has shared his knowledge and experience in more than 40 Sybex study guides. Todd Lammle is President of GlobalNet Training and CEO of RouterSim, LLC.

Darren Mar-Elia is Quest Software's CTO for Windows Management and a Microsoft MVP. Darren has more than 19 years of experience in systems and network administration design and architecture. His expertise is on large-scale enterprise implementations of Windows infrastructures in distributed and data center environments. Darren has been a contributing editor for *Windows IT Pro Magazine* since 1997. He has written and contributed to eleven books on Windows including the *Windows Group Policy Guide* (Microsoft Press). He is a frequent speaker on Windows infrastructure topics.

Derek Melber, MCSE, CISM, MVP, is the Director of Education and Certification at DesktopStandard. Derek is a nationally known speaker, trainer and author, focusing on Active Directory, Security, and Group Policy. Derek's latest works include *The Group Policy Guide* (Microsoft Press) and his *Auditing Windows Security* series (The Institute of Internal Auditors).

Mark Minasi is author of *Mastering Windows Server 2003*, the latest in a series of books on Microsoft networking that have sold over a million copies. He has been a columnist for several industry magazines. Mark is a frequent conference keynote and breakout speaker and regularly garners those conferences' highest attendee evaluation scores. He recently won CertCities.com's "Favorite Technical Author" reader poll for the third year running. Mark is an MCSE and an MVP.

Jeremy Moskowitz, MVP, MCSE founder of Moskowitz, Inc. (Moskowitz-inc.com), is an independent consultant and trainer for Windows technologies. He runs GPanswers.com, and WinLinAnswers.com community forums to answer tough Group Policy and Windows/Linux Integration questions. His latest book is *Practical Windows & Linux Integration: Hands-on Solutions for a Mixed Environment* (SYBEX). Jeremy frequently contributes to *Redmond* magazine and is the Linux track manager at TechMentor.

Gary Olsen, MCSE, is a consultant with Hewlett-Packard's Americas Escalation Team, which provides customer support for Windows (NT/2000/2003) and all other Microsoft products. Gary worked in the Windows 2000 and 2003 Rapid Deployment Programs at Microsoft. He helped develop and teach Windows 2003 AD readiness training. He has written several Microsoft Knowledge Base articles, numerous articles and writes occasionally for *Redmond* magazine. He authored the book *Windows 2000: Active Directory Design and Deployment* (New Riders).

Steve Riley is a senior program manager in Microsoft's Security Business and Technology Unit. Steve specializes in network and host security, communication protocols, network design, and information security policies and process. His customers include various ISPs and ASPs as well as traditional enterprise IT customers, for whom he has conducted security assessments and risk analyses, deployed technologies for prevention and detection, and designed highly-available network architectures. Steve is a frequent and popular speaker.

Bruce Rougeau, MCSE, MCP+I, MCT, Citrix Certified MetaFrame Administrator, began designing and implementing a three-tier architecture for an automated medical record system in 1998. The most recent thin-client implementation was deployed using Citrix's WinFrame utilizing 1,000 Windows-based terminals and fewer than 20 PCs. Currently he works for EDS as an infrastructure architect focusing on networks, Web servers, thin-client computing and 32-way Intel Data Center solutions.

Greg Shields, MCSE: Security, CCEA, is a senior systems engineer with Raytheon Company. A regular contributor to *Redmond* magazine, Greg has developed extensive experience with architecting and administering enterprise collaboration systems using Microsoft, Citrix, and VMWare technologies. His recent projects include architecting a multi-company, multi-site collaborative software development environment, deployment of an enterprise patch management system using SMS, and authoring associated best practices with its use. Greg is a dynamic speaker and experienced technical trainer.

Richard Taylor is a speaker, consultant, and trainer. He has worked as an instructor for numerous training centers, a consultant for firms such as Honeywell, MCI, Lockheed Martin and is an Intel systems engineer where he developed and implemented programs to improve factory automation systems. Rick also worked for Nestlé supporting one of the largest single AD domains worldwide. He was responsible for maintaining the functionality of servers in South America, the U.S. and Canada.

Chris Wolf, MCSE, MCT, CCNA, is an instructor with ECPI Technical College and a consultant with CommVault Systems, specializing in enterprise storage, virtualization solutions and network troubleshooting. Chris is the author of *Troubleshooting Microsoft Technologies* (Addison Wesley) and co-author and contributor to a number of other books.

PROGRAM-AT-A-GLANCE

	CCNA/Infrastructure	MCSA	MCSE

Monday, October 17

	CCNA/Infrastructure	MCSA	MCSE
12:30 - 2:00pm	**M1** Introduction to TCP/IP and Subnetting — Todd Lammle	**M2** Attended and Unattended Installs and Upgrades — Bruce Rougeau	**M3** Introduction to MCSE Track — Derek Melber
2:15 - 3:45pm	**M7** Introduction to the Cisco IOS — Todd Lammle	**M8** Data Access, File System, and Printing — Bruce Rougeau	**M9** Resource Access — Derek Melber
4:00 - 5:30pm	**M13** Introduction to Cisco Switching — Todd Lammle	**M14** System Configuration and Backup Strategies — Bruce Rougeau	**M15** Physical and Logical Devices — Richard Taylor

Tuesday, October 18

	CCNA/Infrastructure	MCSA	MCSE
8:30 - 10:00am	**T1** Introduction to Routing Protocols — Dan Aguilera	**T2** Network Troubleshooting and Remote Access — Bruce Rougeau	**T3** Manage Users, Computers, and Groups — Derek Melber
10:15am - 11:45am	**T7** Advanced Routing Protocols, Part I — Dan Aguilera	**T8** Disk Management — Bruce Rougeau	**T9** RAS and Remote Administration — Richard Taylor
2:30 - 4:30pm	**T13** Advanced Routing Protocols, Part II — Dan Aguilera	**T14** User Management and AD Troubleshooting — Bruce Rougeau	**T15** Networking Concepts and Principles — Derek Melber

Wednesday, October 19

	CCNA/Infrastructure	MCSA	MCSE
8:30 - 10:00am	**W1** Introduction to Cisco Access Lists — Todd Lammle	**W2** Terminal Services and Remote Troubleshooting — Bruce Rougeau	**W3** Network Security — Richard Taylor
10:15am - 11:45am	**W7** Advanced Cisco Access Lists — Todd Lammle	**W8** Performance Monitoring and System Recovery Strategies — Bruce Rougeau	**W9** Name Resolution — Derek Melber
2:15 - 3:45pm	**W13** Cisco Switching — Todd Lammle	**W14** TCP/IP Configuration and DHCP Issues — Bruce Rougeau	**W15** Active Directory, Part 1 — Derek Melber
4:00 - 6:00pm	**W19** Managing the Router Configurations and the IOS — Dan Aguilera	**W20** DNS Configuration and Troubleshooting — Bruce Rougeau	**W21** Active Directory, Part 2 — Derek Melber

Thursday, October 20

	CCNA/Infrastructure	MCSA	MCSE
8:30 - 10:00am	**Th1** Introduction to Wide Area Networks (WAN) — Dan Aguilera	**Th2** Routing and Remote Access Issues — Bruce Rougeau	**Th3** Managing and Monitoring Performance — Richard Taylor
10:15am - 11:45am	**Th7** Wide Area Networks Continued — Dan Aguilera	**Th8** Network Monitor Operations and Exploring Services — Bruce Rougeau	**Th9** Disaster Recovery and Backups — Derek Melber
1:00 - 3:00pm	**Th13** CCNA Study Session, Part I — Todd Lammle	**Th14** Role-Based Security and Security Templates — Bruce Rougeau	**Th15** Introduction to GPOs — Derek Melber
3:15 - 5:15pm	**Th19** CCNA Study Session, Part II — Todd Lammle	**Th20** Service Pack and Hotfix Assessment and Deployment — Bruce Rougeau	**Th21** Advanced GPOs — Derek Melber

Friday, October 21

	CCNA/Infrastructure	MCSA	MCSE
8:30am - 10:00am	**F1** The Future of VoIP — Dan Aguilera	**F2** IPSec Security Principles — Bruce Rougeau	**F3** PKI and Certificates — Richard Taylor
10:15am - 12:15pm	**F7** Penetration and Forensics — Dan Aguilera	**F8** Certificate Strategy and Planning — Bruce Rougeau	**F9** IIS and IIS Security — Richard Taylor

Scripting	Security / Windows/Linux Integration	System Network & Troubleshooting
M4 VBScript Fundamentals, Part I — Don Jones	**M5** Windows Passwords: Everything You Need to Know — Steve Riley	**M6** Reliability in the Real World: Building a World-Class Windows Cluster — Chris Wolf
M10 VBScript Fundamentals, Part II — Don Jones	**M11** Defending Layer 8: How to Recognize and Combat Social Engineering — Steve Riley	**M12** DNS Troubleshooting: Step-by-Step — Chris Wolf
M16 Administrative Scripting Best Practices and Design — Jeff Hicks	**M17** Windows Logins Revealed — Mark Minasi	**M18** Tips, Tricks, and Tools for Windows Server Troubleshooting — Greg Shields
T4 Scripting with Windows Management Instrumentation: The Basics — Don Jones	**T5** Hardening Systems with SP1/SP2: The Best Stuff You Don't Use — Mark Minasi	**T6** Move, Recover and Repair Windows Utility Databases - DHCP, WINS, DNS, IIS and More — Chris Wolf
T10 Scripting with Windows Management Instrumentation: Advanced — Jeff Hicks	**T11** Wireless Security Secrets — Todd Lammle	**T12** From Reactive to Proactive: Gain Control Through Enterprise Process — Greg Shields
T16 Scripting: Top Tasks for the Windows Administrator — Don Jones	**T17** Ethical Hacking and Forensics Made Easy — Todd Lammle	**T18** Patch Management Strategies That Won't Fail: SUS, SMS, and Beyond — Greg Shields
W4 Scripting with Active Directory Services Interface: The Basics — Don Jones	**W5** Turning Over the Rocks: Where Viruses, Worms, and Trojans Hide — Roger A. Grimes	**W6** Be Gone Ye' SpyWare: Ridding IE of Spyware for Good — Greg Shields
W10 Scripting with Active Directory Services Interface: Advanced — Don Jones	**W11** Practical PKI Cookbook: Recipes for PKI Wannabees (or Needtobees) — Roger A. Grimes	**W12** When WSUS Goes Bad: Troubleshooting Windows Update — Greg Shields
W16 Scripting Tools and Utilities — Jeff Hicks	**W17** Debunking Security Myths — Steve Riley	**W18** Tips, Tricks, and Tools for Windows Network Troubleshooting — Greg Shields
W22 VBScript Debugging — Don Jones	**W23** Death of the DMZ — Steve Riley	**W24** Understand & Protect Your Network with the Security Configuration Wizard — Greg Shields
Th4 Scripting with Databases and ActiveX Data Objects — Don Jones	**Th5** Linux Basics for Windows Admins — Jeremy Moskowitz	**Th6** The Art of Network Troubleshooting: How to Fix Any Network Problem — Mark Minasi
Th10 Advanced VBScript Tips, Techniques, and Security — Don Jones	**Th11** Bringing Up Your First Linux Server — TBA	**Th12** Top Terminal Services Troubles (and How to Treat Them) — Greg Shields
Th16 Creating Graphical Scripts with HTAs: The Basics — Jeff Hicks	**Th17** Windows/Linux Integration: The Art of the Possible — Jeremy Moskowitz	**Th18** Understanding and Troubleshooting User Profiles — Darren Mar-Elia
Th22 Creating Graphical Scripts with HTAs: Advanced — Jeff Hicks	**Th23** Windows/Linux Integration: Authentication Services — Jeremy Moskowitz	**Th24** Getting Down and Dirty with Group Policy Functionality — Darren Mar-Elia
F4 Web Scripting for Windows Administration — Jeff Hicks	**F5** Windows/Linux File/Print Integration — TBA	**F6** Troubleshooting Group Policy and Active Directory Replication: Secrets from the Experts — Gary Olsen
F10 Administrative Scripting Hands-On Workshop — Don Jones & Jeff Hicks	**F11** Windows/Linux Email Integration — TBA	**F12** When it All Goes South: Active Directory Disaster Recovery — Gary Olsen

The CCNA (Cisco Certified Network Associate) / Infrastructure track will prepare you to take Cisco's entry-level networking exam. Nearly every administrator has network-related duties, whether it's firewall configuration, managing IP traffic or setting up a VPN. The CCNA track will teach you what you need to know with four days of intense training. This track is led by popular Cisco trainers Todd Lammle and Dan Aguilera.

*TechMentor does NOT guarantee that you will obtain a certification after completing the certification tracks. You will be taught the test objectives, but successfully passing the tests involves more than just your training.

Introduction to TCP/IP and Subnetting

M1	Todd Lammle	Monday, 12:30 – 2:00pm

This session will show you, simply and easily, how to subnet IP in your head in less than 5 seconds! You will learn IP shortcuts that will allow you to subnet efficiently and correctly. The TCP/IP stack is the fundamental technology around which the Cisco CCNA is built; this is a can't-miss session.

Introduction to the Cisco IOS

M7	Todd Lammle	Monday, 2:15 – 3:45pm

This session introduces you to the Cisco Internetworking Operating System and how the IOS is used to configure a Cisco router and set IP address on interfaces, as well as explain the differences between the various Cisco devices.

Introduction to Cisco Switching

M13	Todd Lammle	Monday, 4:00 – 5:30pm

This session discusses switching fundamentals, including VLANS, and the basic configuration of the Switch IOS.

Introduction to Routing Protocols

T1	Dan Aguilera	Tuesday, 8:30 – 10:00am

This session will discuss the basic routing protocols in use today, and how Cisco uses them in small, medium and large networks. The protocols covered include static, default, RIP, RIPv2, IGRP, EIGRP and OSPF.

Advanced Routing Protocols, Part I

T7	Dan Aguilera	Tuesday, 10:15 – 11:45am

This session digs deeper in the routing protocols RIP, RIPv2 and IGRP.

Advanced Routing Protocols, Part II

T13	Dan Aguilera	Tuesday, 2:30 – 4:30pm

This session goes in-depth on the routing protocols EIGPR and OSPF.

Introduction to Cisco Access Lists

W1	Todd Lammle	Wednesday, 8:30 – 10:00am

This session introduces Cisco access lists, or what is sometimes referred to as the "poor man's firewall".

Advanced Cisco Access Lists

W7	Todd Lammle	Wednesday, 10:15 – 11:45am

This session builds on the introductory access list course by discussing extended and named Cisco access lists.

Cisco Switching

W13	Todd Lammle	Wednesday, 2:15 – 3:45pm

This session picks up where the "Intro to Cisco Switching" session leaves off and discusses how VLANs, VTP and STP are configured in a network.

> **"While all of the instructors are extremely knowledgeable; Shields, Lammle and Minasi have the talent of making dry technical info—exciting! Their enthusiasm and speaking style really helped me to get everything from the information presented."**
>
> *— B. Baker, WHSCC*

Managing the Router Configurations and the IOS

W19	Dan Aguilera	Wednesday, 4:00 – 6:00pm

This session will discuss and show you how to back up and restore Cisco IOS on a router, as well as save the configuration of a router and switch to a TFTP host.

Introduction to Wide Area Networks (WAN)

Th1	Dan Aguilera	Thursday, 8:30 – 10:00am

This session covers the basics of Wide Area Networks (WANs) and the various types of WANs that Cisco supports.

Wide Area Networks Continued

Th7	Dan Aguilera	Thursday, 10:15 – 11:45am

This session discusses more advanced WAN topics, building on the introduction to WANs class.

CCNA Study Session, Part I

Th13	Todd Lammle	Thursday, 1:00 – 3:00pm

This session discusses various CCNA exam questions and how to approach the difficult subnet and VLSM technologies you'll encounter on the tests.

CCNA Study Session, Part II

Th19	Todd Lammle	Thursday, 3:15 – 5:15pm

This session will discuss various CCNA exam questions and how to approach the IOS, switching, Access Lists and WAN objectives.

The Future of VoIP

F1	Dan Aguilera	Friday, 8:30 – 10:00am

The future of Voice over Internet Protocol (VoIP) technology is promising. When VoIP technology was first developed, many were skeptical, mainly because it sounded too good to be true. Now that time has passed and the technology has proven itself, it's clear the future of VoIP is solid. You will learn the basics of VoIP and data networks, VoIP deployment strategies and VoIP management and security.

Penetration and Forensics

F7	Dan Aguilera	Friday, 10:15am – 12:15pm

Computer forensic investigation is the process of detecting hacking attacks and properly extracting evidence to report the crime and conduct audits to prevent future attacks. Penetration testing is the process of actively evaluating your information security measures. This session will impart the necessary skills to identify an intruder's footprints and to properly gather the necessary evidence for prosecution.

Top Reasons to Attend

Trusted Source

Redmond magazine is a trusted source of information on Microsoft Windows server systems, along with related third-party products, technologies, and certifications. The same networking experts that write for *Redmond* magazine produce the content of this conference.

No Sales Pitch!

Because we're independent and not beholden to anybody, you get to hear the other side of the technology you're working to implement and manage—the hidden gotchas, the way it really is in deployment, the minutia the big software companies won't tell you (unless you have access to their high-priced technical support programs and consultants).

One-on-One Consulting

Know of an expert you'd like to spend some time with? No prima donnas here! Our expert instructors make themselves available between sessions, at lunch, and during the official Consulting Hour—your chance to get specific answers to specific questions.

Positive Learning Environment

Attendees don't come to TechMentor looking to mix with thousands of attendees on a junket from work. You can expect to be among a serious, dedicated group of IT professionals looking to expand their knowledge base, further their careers and add value to their organizations. It's a big reason more than 90% of our attendees say they'd attend another TechMentor conference.

MCSA – MICROSOFT CERTIFIED SYSTEMS ADMINISTRATOR TRACK

MCSAs are the front-lines, in-the-trenches workers in most organizations. They're the systems administrators, the ones who keep the servers humming along, who manage users and groups. If you do this work, and don't have the MCSA, it's time to get to work on obtaining it, to give you a leg up on your peers, and demonstrate your expertise to the boss. The TechMentor MCSA track is fast-paced, presenting all the vital information necessary to prepare you for the MCSA exams. The instruction removes all redundancy in the exam curriculum and accelerates the learning process by providing only the information needed, without any sales propaganda. This track is led by popular "certification slam session" instructor Bruce Rougeau.

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Attended and Unattended Installs and Upgrades

M2	Bruce Rougeau	Monday, 12:30 – 2:00pm

It starts with a course overview. Then you move into performing and troubleshooting an attended or unattended install/upgrade of Windows XP, utilizing tools such as Remote Installation Services, Sysprep and Setup Manger. Next, you'll learn how to install and configure Internet Information Services (IIS). Then you'll move to migrating user settings and files using the Files and Setting Transfer Wizard, ScanState and LoadState.

Data Access, File System, and Printing

M8	Bruce Rougeau	Monday, 2:15 – 3:45pm

Learn techniques for planning, creating and monitoring a data access strategy for access to files, folders, and shares, including NTFS permissions, Share permissions, WebDav, compression and encryption. Next up: creating and managing printers and print jobs for local printers, remote printers and printer sharing, and Internet printers. Other topics covered include working with file system partitions using the GUI and command-line tools; configuring and providing access to Offline files; synchronization.

System Configuration and Backup Strategies

M14	Bruce Rougeau	Monday, 4:00 – 5:30pm

Learn how to install, configure, remove, troubleshoot and monitor devices and configure driver options for signing. Other topics covered include configuring hardware profiles and power management for mobile users; backing up and restoring an operating system using Windows backup, safe mode, system restore and recovery console. Also learn how to use Scheduled Tasks to schedule backups or other routine tasks.

Network Troubleshooting and Remote Access

T2	Bruce Rougeau	Tuesday, 8:30 – 10:00am

This session includes instruction on configuring and troubleshooting TCP/IP, utilizing ICS, VPN, and dial-up connections. Also covered: configuring multiple languages and utilizing the language bar.

Disk Management

T8	Bruce Rougeau	Tuesday, 10:15 – 11:45am

Hardware management is the theme for this session, including: managing basic and dynamic disks; monitoring hardware devices with Device Manager and Control Panel; optimizing server disk performance with RAID and defragmentation; and monitoring disk quotas.

User Management and AD Troubleshooting

T14	Bruce Rougeau	Tuesday, 2:30 – 4:30pm

Learn how to manage users via local, roaming and mandatory profiles. Also on the agenda: create, modify and troubleshoot users and groups in AD via GUIs, scripts, and tools such as LDIFDE and CSVDE. Finally, learn techniques for creating, modifying, resetting and troubleshooting computer accounts in AD.

Terminal Services and Remote Troubleshooting

W2	Bruce Rougeau	Wednesday, 8:30 – 10:00am

This session starts with configuring and troubleshooting Remote Desktop, then moves on to other areas of remote management, including Terminal Services. Other topics covered include usage of Terminal Services Administrative tools and managing and troubleshooting print queues.

Performance Monitoring and System Recovery Strategies

W8	Bruce Rougeau	Wednesday, 10:15 – 11:45am

Learn how to monitor your most critical resources, including the CPU, disks, network, processes and the pagefile. Other items include IIS management; automated system recovery (ASR) procedures; restoring data from shadow copies; planning, deploying and monitoring system backups; and restoring a failed system.

TCP/IP Configuration and DHCP Issues

W14	Bruce Rougeau	Wednesday, 2:15 – 3:45pm

Learn how to configure TCP/IP; manage and troubleshoot DHCP leases, Relay Agents, databases, scope options, server options, and reservations; and troubleshoot APIPA addressing and TCP/IP configuration issues.

DNS Configuration and Troubleshooting

W20	Bruce Rougeau	Wednesday, 4:00 – 6:00pm

You can't be an effective administrator if you don't understand name resolution, specifically DNS. Learn the ins and outs of DNS, including configuration of DNS server options, zone options, DNS forwarding, and the monitoring and troubleshooting of DNS.

Routing and Remote Access Issues

Th2	Bruce Rougeau	Thursday, 8:30 – 10:00am

Secure, efficient remote access is becoming more critical in these days of telecommuting. This session is all about configuring and troubleshooting remote access, including routing and remote access.

Network Monitor Operations and Exploring Services

Th8	Bruce Rougeau	Thursday, 10:15 – 11:45am

Network Monitor, Microsoft's built-in "watcher", can be your best friend, if you know how to use it. Learn how it works, including how to monitor and troubleshoot network issues with Network Monitor. Also: troubleshooting connectivity to the Internet, followed by an exploration of service errors based on service dependency.

Role-Based Security and Security Templates

Th14	Bruce Rougeau	Thursday, 1:00 – 3:00pm

It's a dangerous world, both within and outside your network. To that end, learn how to plan security templates based on computer role. Then use those templates to configure Registry and file permissions, account policies, audit policies, user rights, security options and system services. The next part is to deploy the templates, with GPOs and scripting. Also covered: software restriction policies; planning and implementing auditing; analyzing security configuration using the Microsoft Baseline Security Analyzer (MBSA) and Security Configuration and Analysis.

Service Pack and Hotfix Assessment and Deployment

Th20	Bruce Rougeau	Thursday, 3:15 – 5:15pm

Another critical aspect of security is to make sure your servers and desktops are patched. This session teaches you how to plan the deployment of service packs and hotfixes; assess the service packs and hotfixes applied; and deploy service packs and hotfixes via slipstreaming, scripts and selected third-party tools.

IPSec Security Principles

F2	Bruce Rougeau	Friday, 8:30 – 10:00am

Learn how to increase security through the use of IPSec. Find out which IPSec mode to use, how to select an authentication method, and how to configure IPSec authentication, encryption level and the appropriate IPSec protocol. You'll also discover how to troubleshoot IPSec with IP Security Monitor and IPSec logging, and learn how to plan and implement security for wireless networks.

Certificate Strategy and Planning

F8	Bruce Rougeau	Friday, 10:15am – 12:15pm

Your week's training finishes up with a discussion of planning, implementing and managing certificates. Learn how to deploy, manage, and configure SSL certificates for wireless networks; plan and configure authentication; plan for digital signatures; install and configure Certificate Services; plan a multi-level certificate authority (CA) hierarchy; archive and recover keys and revoked certificates. Also learn how to back up and restore your CA.

> **" I only go to one conference a year, that one conference is always the TechMentor conference. Thank you for staying true to what this conference has always been about—a training intensive, non-vendor specific opportunity. "**
>
> *— R. Grogan, Deloitte*

MCSE – Microsoft Certified Systems Engineer Track

The MCSE track is aimed at administrators or system architects with substantial (at least a year or more) Windows 2000 Server or Windows Server 2003 experience. This intense course will prepare you to take the tests necessary to obtain Microsoft's highest-level administrative certification. Led by well-known book author, *Redmond* magazine columnist and trainer Derek Melber, the course offers a sequential path through the test objectives you'll be required to know. Come prepared with your laptop and goggles: this course flies!

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Introduction to MCSE Track

M3	Derek Melber	Monday, 12:30 – 2:00pm

This session will introduce the exams in a way you've never thought of before. We will go over the exam question types, as well as strategies that you can use to help you gain the upper edge on the exams. We will also go over the key study methods that have worked for so many others that have successfully obtained their credentials.

Resource Access

M9	Derek Melber	Monday, 2:15 – 3:45pm

Permissions have gone through a radical transformation from Windows NT to Windows 2000/2003. Changes to how ownership is handled (or given away) and default share permissions give a brand new face to how resources are handled in Windows Server 2003. If you miss the key changes with the encrypting file system (EFS), you have missed one of the best improvements in Windows Server 2003.

Physical and Logical Devices

M15	Richard Taylor	Monday, 4:00 – 5:30pm

The most important aspects of the physical and logical devices on a Windows computer are the hard drives. With basic disks, dynamic disks, volumes, partitions and troubleshooting of disks, there's a lot of information to know. Don't forget about handling drivers, driver signing, and driver rollback. Finally, we will cover disk quotas and disk defragmentation, which can help control how the disks are being utilized.

Manage Users, Computers, and Groups

T3	Derek Melber	Tuesday, 8:30 – 10:00am

There are the standard user, computer and group creation requirements, but there is so much more. User profiles come in many flavors and control points. Roaming profiles, mandatory profiles, controlling what's included in a profile; the list is rather long. Then, if you want a user to change from one computer to another, there is the File and Settings Transfer Wizard, as well as the User State Migration Tool (USMT). Other topics include the new types of groups available in Active Directory, and how those groups are handled by Active Directory.

RAS and Remote Administration

T9	Richard Taylor	Tuesday, 10:15 – 11:45am

This session digs deep into remote access services, covering protocols, security, RAS clients, and permissions. The heart of RAS security is the RAS policy, which will be demystified so you fully understand how to create and manage them. Other remote access topics include remote administration features such as Remote Desktop and Remote Assistance. Then there's Terminal Services for administration, which has new names and interfaces for Windows Server 2003. Finally, you'll delve into tools such as the MMC and adminpak.

Networking Concepts and Principles

T15	Derek Melber	Tuesday, 2:30 – 4:30pm

This session starts off with thorough coverage of IP and subnetting. Topics include supernetting, CIDR, and subnet masking to the nth degree. Next on deck are all areas of DHCP and DHCP design criteria, including the DHCP relay agent and DHCP scope options. Then you'll move onto NAT, demand-dial routing and wireless connections, ending with a discussion of network monitor and IP troubleshooting.

Network Security

W3	Richard Taylor	Wednesday, 8:30 – 10:00am

When it comes to network security, there are plenty of options within Windows Server 2003. You'll start off discussing old friends such as SMB signing and port filtering, which are still around. Learn how to secure authentication, as well as how to use certificates to increase network communication security. The lesson then moves onto IPSec, an abyss of settings and options you'll learn decrypt. The new and improved Windows Firewall is also on the menu.

Name Resolution

W9	Derek Melber	Wednesday, 10:15 – 11:45am

You may have heard the rumor that WINS is no longer needed with Active Directory. Unfortunately, that isn't the case. Not only is WINS still needed, DNS is a requirement with Active Directory, too. With new features and options in Windows Server 2003, DNS is sure to have you scratching your head. You'll be presented with all the DNS options, requirements, and recommended configurations with Active Directory.

Active Directory, Part 1

W15	Derek Melber	Wednesday, 2:15 – 3:45pm

To the newbie, Active Directory is first a quest to under-stand the terminology and the structural components. Both will be covered in this session, starting with the key concepts, then move on to discussing the structural components of Active Directory and how they work together. Nothing will be left untouched, including domains, trees, forests, sites, trusts, organizational units (OUs) and more.

Active Directory, Part 2

W21	Derek Melber	Wednesday, 4:00 – 6:00pm

Active Directory's too big a topic to fit into one session. The second part will present the more difficult topics, including FSMOs, universal group caching, replication design and organizational unit (OU) design. Next up is Active Directory security, with a discussion of delegation of administrative control, a benefit to anyone moving to Active Directory. Also highlighted is how to secure domain controllers, account policies, and ensuring all authentications are secure.

Managing and Monitoring Performance

Th3	Richard Taylor	Thursday, 8:30 – 10:00am

Although Task Manager has been around a long time, there are new features to learn. There is also the System Monitor (a.k.a. Performance Monitor), ideal for baselining and troubleshooting network, application or system problems. You'll also learn the ins and outs of software update services (SUS), and how it should work with GPOs. Event Viewer is still essential for monitoring, but the audit policy needs to be set up to fill the security logs. Finally, you'll be exposed to the Microsoft Baseline Security Analyzer (MBSA), which is constantly being upgraded and changed to add new features.

Disaster Recovery and Backups

Th9	Derek Melber	Thursday, 10:15 – 11:45am

Learn how to navigate the myriad options available to troubleshoot, backup, and recover from a Windows issue. Familiar tools such as Last Known Good and NTbackup are still available, as are new options and features such as Automated System Recovery and Shadow copies. For Active Directory, there are the System State and authoritative restores, along with other topics like the Recovery Console, tombstoning, and emergency management.

Introduction to GPOs

Th15	Derek Melber	Thursday, 1:00 – 3:00pm

Group Policy Objects can be complex to understand, design, and implement. This session will cover the key aspects of Group Policy Objects, including GPO precedence, delegation, no override, block policy inheritance, filtering, and more. You'll look at almost every aspect of control, including: desktop folders, desktop icons, menu options, control panel features, logon and authentication components, and even software distribution.

Advanced GPOs

Th21	Derek Melber	Thursday, 3:15 – 5:15pm

Welcome to the next level! Take a tour of advanced GPO techniques and tasks in this session. You'll create and incorporate custom GPO settings, both with ADM templates and new security settings, from the ground up. You'll use security templates to secure a group of computers, then ensure the computers always get these settings. Also learn how to delegate control to all aspects of GPO management, using the new features of the GPMC.

PKI and Certificates

F3	Richard Taylor	Friday, 8:30 – 10:00am

Windows Server 2003 PKI can deploy an enterprise public key infrastructure fairly simply, but understanding the correct hierarchy for your Certificate Authorities (CAs) is essential. Learn the correct design of PKI and your CAs, as well as how to issue and manage the certificates required for the multitude of certificate-using applications. There are plenty of new enhancements with Windows Server 2003 PKI as well, including certificate enrollment, qualified subordination, custom certificate templates and more.

IIS and IIS Security

F9	Richard Taylor	Friday, 10:15am – 12:15pm

Windows Server 2003 now has a distinct product for running a Web server. This session will cover the new features of IIS including overlapping recycling, real-time editing of the XML metabase, Application Pools, and Web Service Extensions. Also reviewed will be the key architectural changes that improve stability, security and performance for your Web servers.

> **"Finally able to provide immediate ROI to the company for what I learned—Thanks."**
>
> *— B. Seaman, Union Central*

SCRIPTING TRACK

The Scripting track will provide you with the foundation necessary to administer your servers and desktops more efficiently using scripts. You will start out with basic scripts that require no previous knowledge of scripting. Building on that foundation, you will work your way through more advanced concepts, with hundreds of examples and lots of opportunities to get your hands dirty building your own scripts. When you finish this track, you'll have all the tools you need to replace those time-consuming manual processes that take up so much of your work day. This track is led by scripting guru, *Redmond* magazine columnist and instructor Don Jones.

VBScript Fundamentals, Part I

M4	Don Jones	Monday, 12:30 – 2:00pm

Learn the basics of managing Windows with VBScript, including scripting essentials, the VBScript language elements, key VBScript functions and statements, working with objects, and much more. You'll also learn about several intrinsic scripting objects which allow you to manipulate the Windows shell, work with files and folders, and access key network functionality. This is the ideal place to start your scripting education, with absolutely no prior experience required. All other scripting sessions build upon the foundations learned in this session.

VBScript Fundamentals, Part II

M10	Don Jones	Monday, 2:15 – 3:45pm

See M4 description.

Administrative Scripting Best Practices and Design

M16	Jeff Hicks	Monday, 4:00 – 5:30pm

Learn key best practices that make scripting more acceptable in an enterprise environment, including naming conventions, modular script design, source and change control, and much more. You'll also learn valuable script design techniques that help answer the age-old question "where do I begin?" when you're writing a new script. The session wraps up with an interactive script design workshop, allowing you to put your new design skills to work. Prior scripting experience (or the "Fundamentals" sessions) recommended.

Scripting with Windows Management Instrumentation: The Basics

T4	Don Jones	Tuesday, 8:30 – 10:00am

Learn the essentials of scripting with WMI, the best way to retrieve and modify configuration information on remote computers. You'll learn how WMI is built, learn about tools that make WMI scripting easier and more efficient, and see several scripts that make practical administrative use of WMI. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended.

Scripting with Windows Management Instrumentation: Advanced

T10	Jeff Hicks	Tuesday, 10:15 – 11:45am

Take your WMI scripting skills to the next level and learn about advanced WMI security topics, WMI configuration, WMI associator classes, and more. You'll learn practical, advanced techniques such as scripting file permissions, using alternate credentials, using WMI to manage Exchange, SQL Server, DNS, IIS, and other products, and much more. Prior scripting and WMI experience (or "Scripting with WMI: The Basics" session) strongly recommended.

Scripting: Top Tasks for the Windows Administrator

T16	Don Jones	Tuesday, 2:30 – 4:30pm

You'll learn how to write scripts which accomplish key tasks suitable for use in logon scripts, security administration and auditing scripts, desktop management scripts, domain management scripts, and more. Each sample comes with a checklist of ways in which the script can be easily modified to perform related administration tasks. Recommended for attendees with basic prior scripting, WMI, and ADSI experience (or attendance in the "Fundamentals" and "WMI: The Basics" sessions).

Scripting with Active Directory Services Interface: The Basics

W4	Don Jones	Wednesday, 8:30 – 10:00am

Learn to use ADSI to perform core, basic administration tasks such as Active Directory and local user account management, bulk domain object management, local service management, and much more. Includes several scripts which use ADSI to accomplish practical administrative tasks more efficiently and effectively. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended.

Scripting with Active Directory Services Interface: Advanced

W10	Don Jones	Wednesday, 10:15 – 11:45am

Learn to write scripts which leverage ADSI to perform advanced functions, including scripts which target multiple domain objects (such as computers) for other administrative tasks, use alternate credentials with ADSI, modify advanced domain objects and properties, and perform advance local management tasks such as file and print server management. Prior scripting and ADSI experience (or "Scripting with ADSI: The Basics" session) strongly recommended.

Scripting Tools and Utilities

| W16 | Jeff Hicks | Wednesday, 2:15 – 3:45pm |

Learn to utilize both commercial and freely-available tools to make scripting faster, easier, and more efficient. You'll explore script editors and see how they can make scripting easier, and you'll use a variety of script "wizards" that produce script code with no effort on your part. You'll also learn about script encoders, script compilers, and "script assistant" utilities which can help meet a variety of needs in almost any network environment. Finally, you'll see how to use IE as a tool to display highly-formatted script output, ideal for reports and for scripts which are used by end-users. Prior scripting experience (or the "Fundamentals" sessions) recommended.

VBScript Debugging

| W22 | Don Jones | Wednesday, 4:00 – 6:00pm |

Learn key techniques and tips for debugging VBScripts and making scripting a more efficient process. You'll learn to add debugging code to your scripts, use trace tools to follow your script's progress, and learn an infallible methodology for squashing script bugs quickly, every time. You'll also review script creation techniques to learn about methods that can help prevent bugs in the first place. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended.

Scripting with Databases and ActiveX Data Objects

| Th4 | Don Jones | Thursday, 8:30 – 10:00am |

Learn to use databases with your scripts, making it possible to record information to SQL Server, Access, Excel, text files, and other data stores, as well as read information from any database in the enterprise. You'll see how ActiveX Data Objects (ADO) works in a number of practical administrative examples. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended; prior WMI experience (or "WMI: The Basics" session) recommended.

Advanced VBScript Tips, Techniques, and Security

| Th10 | Don Jones | Thursday, 10:15 – 11:45am |

You'll see how to make your own script-based command-line tools, securely deal with passwords in scripts, learn about remote scripting and remote security issues, and learn how to create an environment which allows administrative scripts to run while restricting potentially harmful scripts (like script-based viruses). You'll learn to encapsulate your best scripts in Windows Script Components, making them easier to use and re-use in future scripts. You'll also learn how to easily integrate external tools and applications (such as command-line utilities) into your scripts. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended.

Creating Graphical Scripts with HTAs: The Basics

| Th16 | Jeff Hicks | Thursday, 1:00 – 3:00pm |

Learn to make script-based HTML Applications(HTAs) that feature a complete, robust GUI. You'll learn to use a WYSIWYG HTML editor to create an effective GUI, and to leverage your VBScript skills to make your new application completely functional. Learn to make end-user applications, graphical monitoring tools, and scripts which are more easily used by junior administrators. Session includes a complete walkthrough of creating an HTA from scratch. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended; prior WMI and ADSI experience recommended.

Creating Graphical Scripts with HTAs: Advanced

| Th22 | Jeff Hicks | Thursday, 3:15 – 5:15pm |

Learn to make your HTAs more functional and capable through advanced HTA tips and techniques. Learn advanced formatting, how to script dynamic effects like tooltips, tree views, and drop-down menus, and learn how to dynamically manipulate an HTAs graphical user interface in response to user actions and other conditions. You'll learn to make more effective graphical scripts in no time. Prior HTA experience (or "HTAs: The Basics" session) strongly recommended.

Web Scripting for Windows Administration

| F4 | Jeff Hicks | Friday, 8:30 – 10:00am |

Learn how your scripting skills can be leveraged to create Web-based scripts for Windows administration and user self-service Web sites. You'll learn all about Microsoft Active Server Pages (ASP), and see plenty of examples of practical, Web-based administrative scripts. You'll learn about Web scripting security. Prior scripting experience (or the "Fundamentals" sessions) strongly recommended; prior WMI and ADSI experience (or appropriate sessions) recommended.

Administrative Scripting Hands-On Workshop

| F10 | Don Jones & Jeff Hicks | Friday, 10:15am – 12:15pm |

Your laptop is a must for this hands-on session, where you'll put everything you've learned about scripting to use in a series of practical script-writing exercises. With your instructor on-hand, you'll apply your new scripting skills and ensure that you're ready to hit the ground running when you get home. A virtual machine (VMWare or Virtual PC) running a domain controller is highly recommended, as is a commercial script editor (evaluation versions will be provided on CD-ROM in class). Prior scripting, WMI, and ADSI experience is a must; this session is recommended only for those who have attended the majority of the sessions in this track (or who have equivalent past experience).

The Security mini-track offers three days of in-depth instruction on all aspects of Windows security. It starts off with the basics and builds in a step-by-step fashion to more advanced topics. Learn security from three of the biggest names in the Windows security world: Windows author and speaker Mark Minasi, Microsoft Corp. security guru Steve Riley, and prolific author and speaker Roger Grimes.

Windows Passwords: Everything You Need to Know

M5	Steve Riley	Monday, 12:30 – 2:00pm

Since early computing, passwords have protected user accounts and sensitive data. Undoubtedly, your company has a password policy and some enforcement of that policy. However, most people have no idea what happens once a password is provided to the system or how strong a given password is against a specific attack. In this session, how you'll learn in depth Windows uses passwords, including Windows password architecture, password hashing, password length and complexity analysis, password storage and retrieval, and the Stored User Names and Passwords feature. You'll also explore common password guessing attacks and countermeasures.

Defending Layer 8: How to Recognize and Combat Social Engineering

M11	Steve Riley	Monday, 2:15 – 3:45pm

The human element is often ignored in security. People-the eighth layer of the OSI stack-can often blow a gaping hole in the most well-planned defense infrastructure. Organizations will spend fortunes on technology and are still vulnerable to old-fashioned manipulation! This session takes you through the issues that are present when people, computers, and networks meet. In an example-filled session you'll delve into the depths of user psychology and how it's at layer 8 where all security succeeds or fails. Bonus: learn how to do it yourself!

Windows Logins Revealed

M17	Mark Minasi	Monday, 4:00 – 5:30pm

Every day you log into our Windows systems. But what really happens when you do? How DO your workstations and domain controllers exchange logon information without revealing your passwords? For that matter, how are your workstations able to find DCs even on days when the local DC's sick? Learn how logins work, how they can not work (and how you can fix them) as well as how to better secure them.

Hardening Systems with SP1/SP2: The Best Stuff You Don't Use

T5	Mark Minasi	Tuesday, 8:30 – 10:00am

The SP Twins—XP's Service Pack 2 and 2003 Server's Service Pack 1—have been out for a while, and most admins have deployed them for their fixes and greater security. But are you using everything that SP1/SP2 offers? Well, unless "IPsec bypass," "auditusr.exe," "binary behaviors" and "mime sniffing" have a place in your security vocabulary, you're not getting the most out of your service packs. This session provides the step-by-step ways to squeeze all of the security juice out of the SPs!

Wireless Security Secrets

T11	Todd Lammle	Tuesday, 10:15 – 11:45am

Learn how to secure your wireless LAN (WLAN) and Metropolitan Mobile Network (MMN) in both your corporate and home networks. This session shows you the beginnings of WLAN security and benefits and drawbacks of each security method in use today as well as the up-and-coming security versions, so you can make informed decisions in your WLAN security policies. Whether you work in a large or small—even a mobile office—this is truly a critical course if you want to support your wireless applications with both corporate policies and security.

Ethical Hacking and Forensics Made Easy

T17	Todd Lammle	Tuesday, 2:30 – 4:30pm

With the growth of the Internet, computer security has become a major concern for businesses, governments and consumers. The best way to evaluate a threat in your environment is to have an independent computer security professional attempt to break into your computer systems. Learn how these "tiger teams" or "ethical hackers" employ the same tools and techniques as the intruders, but neither damage the target systems nor steal information.

Turning Over the Rocks: Where Viruses, Worms, and Trojans Hide

W5	Roger Grimes	Wednesday, 8:30 – 10:00am

Did you know there are over 30 different Registry keys where viruses, worms, and trojans can hide to exploit a Windows system? Roger has collected the most extensive list of files, folders, Registry entries, and techniques that malware can use to compromise your computer. Attend this session and learn how to defend your systems against the most popular attacks.

Practical PKI Cookbook: Recipes for PKI Wannabees (or Needtobees)

W11	Roger Grimes	Wednesday, 10:15 – 11:45am

Want to use encrypted e-mails with digital signatures in Exchange? Want to use PKI for Wireless authentication and IPSec? Attend this session to learn how to put PKI to work for you.

Debunking Security Myths

W17	Steve Riley	Wednesday, 2:15 – 3:45pm

"Let's see now, if we just tweak this setting here and that setting over there and the other setting...um, where was that setting again?" Sounds familiar, huh? Security tweaks often make you feel good because, after all, you've done something! Alas, tweaks are usually nothing more than pure "security theater," designed more to satisfy poorly-written auditing requirements than really making a system more difficult to attack. This session will expose 10 common security myths and explain why they provide little (if any) value.

Death of the DMZ

W23	Steve Riley	Wednesday, 4:00 – 6:00pm

New business needs demand new network design thinking. For too long now the network has been the place where we lodge nearly all our security defenses. "We have a firewall, we're protected" is simply no longer true—if indeed it ever was. Attacks are getting more sophisticated. It's time to get smarter, to become mature, to move beyond "best practices"—to improve the resiliency of our computers, our applications, and even our people. Join Steve as he pronounces, without a single PowerPoint slide, the death of traditional network design and advocates for a new, better, and stronger way.

Windows/Linux Integration Track

The Windows/Linux Integration mini-track is geared to admins who are experimenting with, or using, Linux in their day-to-day Windows environments. The track begins with an overview of the basics of Linux, then moves into the Windows realm, detailing how to get Linux and Windows to play nice with each other. Noted author and speaker Jeremy Moskowitz, currently writing a book on Linux-Windows interoperability, leads this track.

Linux Basics for Windows Admins

Th5	Jeremy Moskowitz	Thursday, 8:30 – 10:00am

Get a head start on Linux fundamentals. Meant for the beginner in Linux, this session will help you understand the new vocabulary of the Linux world, where things are, and how to perform key tasks. A special emphasis will be on describing Linux attributes in Windows terms, making it a gentle introduction to the world of Linux.

Bringing Up Your First Linux Server

Th11	Speaker TBA	Thursday, 10:15 – 11:45am

If you're ready to bring up your first Linux server, this is the session for you. You will set up some of the key components of Linux, including simple DNS, simple DHCP and simple file sharing.

Windows/Linux Integration: The Art of the Possible

Th17	Jeremy Moskowitz	Thursday, 1:00 – 3:00pm

What does Linux do best? And what does Windows do best? In this session, Jeremy Moskowitz presents the ins and outs of how Linux can be useful inside your Windows environment. Learn what's possible with Linux and where it fits in with your existing Windows infrastructure.

Windows/Linux Integration: Authentication Services

Th23	Jeremy Moskowitz	Thursday, 3:15 – 5:15pm

You're starting to get Linux desktops, and you want single sign-on, but you're committed to leveraging Active Directory to do it. If you have existing Unix or Linux, you might have a tough time getting to AD unless you know a few tricks. In this session, we'll describe and demonstrate how AD can be the focal point of your authentication network, some tips on how to configure Linux clients, and how the SAMBA (an application which makes Linux play nicely with Windows) fits in to the picture. If you've got Linux and Windows authentication headaches, this is the session for you.

Windows/Linux File / Print Integration

F5	Speaker TBA	Friday, 8:30 – 10:00am

You've heard of SAMBA, but you may have never seen it. Or, maybe you've heard of NFS, and heard it's got more holes than Swiss cheese. Is it true that Windows' version of NFS is actually more secure than a plain-vanilla UNIX implementation? What is IPP, the Internet Printing Protocol, and how can it unify your printing environment? Come to this session to find out about all these file and print integration issues.

Windows/Linux Email Integration

F11	Speaker TBA	Friday, 10:15am – 12:15pm

Today, you likely have Exchange. Great, but you might also have departmental servers with Linux running Sendmail. You need a way to unify your mail structure. If your company relies on Outlook, is there a way for your Linux users to get that Outlook feel, even on Linux? In this session, you'll get a handle on how to take your existing e-mail services and make them better interoperate.

The Troubleshooting Track is your source for the very best tips, tricks, and tools to diagnose problems and keep your machines humming. Bringing together world class instructors you know and trust, you will take away real world solutions that you can immediately implement in your home network. Divided into 5 mini-tracks on Server, Security, Network, Terminal Services, and Active Directory troubleshooting, you'll pick up more in every 90 minute session than in a full day of research. This track is led by popular instructor and *Redmond* magazine contributor Greg Shields.

Reliability in the Real World: Building a World-Class Windows Cluster   SERVER FOCUS

M6	Chris Wolf	Monday, 12:30 – 2:00pm

Building a shared disk cluster out of relatively inexpensive Windows servers seems like a way to get high availability at a reasonable price. But your good intentions might not pay off in actual, measurable improvement in availability if you don't do some planning. Learn how to do clusters the right way. You don't need a Fortune 500 budget to build a world class cluster, but you do need some practical guidance.

DNS Troubleshooting: Step-by-Step   SERVER FOCUS

M12	Chris Wolf	Monday, 2:15 – 3:45pm

For many administrators, DNS annoyances have become as common as calls from telemarketers. With Active Directory's firm reliance on DNS, compounded with countless network-based applications living and dying by name resolution, DNS is considered by many the most critical service on the network. In this session, you'll learn the methodical approaches for diagnosing and solving DNS problems, best practices for DNS deployment, and how to automate the backup and recovery of DNS servers.

Tips, Tricks, and Tools for Windows Server Troubleshooting   SERVER FOCUS

M18	Greg Shields	Monday, 4:00 – 5:30pm

Being a successful Windows admin is all about learning the million little "aha's", "gotcha's", and "don't forget's" you need to keep your servers happy. Being successful when a server's on the blink involves even more. In this first of three tips and tricks classes, we'll discuss the details you need to diagnose a troubled server and bring it back to health.

Move, Recover, and Repair Windows Utility Databases – DHCP, WINS, DNS, IIS, and More   SERVER FOCUS

T6	Chris Wolf	Tuesday, 8:30 – 10:00am

Why is it that setting up Windows network services can be so easy and yet moving, repairing, and recovering them can be so difficult? Well, they don't have to be if you know the right way to do it. This session shows you exactly how to migrate to a new server or repair a failing one while retaining full functionality for all support databases.

From Reactive to Proactive: Gain Control through Enterprise Process   SECURITY FOCUS

T12	Greg Shields	Tuesday, 10:15 – 11:45am

Non-stop firefighting gets the adrenaline rushing, but it's a primary cause of lack of sleep, lack of vacation, and lack of life outside work. If you're constantly firefighting to keep your network up and operational, you might have more than a technical problem. In this session, we'll douse those flames by showing you how to set up change control and IT policy in your environment. You'll leave with proven practices and fill-in-the-blank documents that will stabilize your network and give your life back.

Patch Management Strategies That Won't Fail: SUS, SMS, and Beyond   SECURITY FOCUS

T18	Greg Shields	Tuesday, 2:30 – 4:30pm

Two years after Bill Gates declared security to be the number one priority at Microsoft, we're still dealing with patch after patch to correct newly-discovered vulnerabilities. This growing problem isn't focused strictly on the operating system, either—nearly all Microsoft products have required some patching. With the sheer number of Microsoft patches growing every year, keeping them all straight is growing into an administrative nightmare. Focusing on Microsoft's SMS and WSUS tools, you will learn the tools appropriate for the size of your company and the methods and reporting mechanisms you need to keep your network safe.

Be Gone Ye' SpyWare: Ridding IE of SpyWare for Good   SECURITY FOCUS

W6	Greg Shields	Wednesday, 8:30 – 10:00am

Passwords going where? Give money to whom? Prescriptions for how much? Who writes this stuff anyway? You don't have to care who writes it, but you do have to get it out of your network. SpyWare, AdWare and MalWare are a growing threat to the Internet, and the tools to get rid of it are immature at best. In this session, we'll look at what's available for exorcising it, as well as examining the mechanics of a SpyWare infection. In the end, you'll have learned the tricks to make yourself your own SpyWare scanner.

When WSUS Goes Bad: Troubleshooting Windows Update   SECURITY FOCUS

W12	Greg Shields	Wednesday, 10:15 – 11:45am

It's the new kid on the block, but it can be downright bratty sometimes. Tame that little rug rat with this groundbreaking session on WSUS troubles and fixes. This session will go over some of the initial feedback on Windows

Update and detail the do's and the don'ts for getting it working properly on your network. This session will save you headaches and get your network patched…fast.

Tips, Tricks, and Tools for Windows Network Troubleshooting `NETWORK FOCUS`

W18	Greg Shields	Wednesday, 2:15 – 3:45pm

Sometimes the troubleshooting process gets easier as we go further down the network protocol stack. Expose the network underbelly of the Windows operating system with this tips and tricks session. We'll analyze and correct DNS issues, client/server communication problems, routing foul-ups and troubles with WAN links. You'll be surprised how easy it is to do the work with the right tools.

Understand & Protect Your Network with the Security Configuration Wizard `NETWORK FOCUS`

W24	Greg Shields	Wednesday, 4:00 – 6:00pm

Your network is under constant threat of impending attack, so you've gotta' be smart about how you secure your servers. Released with Windows 2003 Service Pack 1, the Security Configuration Wizard is a comprehensive tool for taking the guesswork out of this task. An XML-based tool that can scan and lock down your server, this tool is soon to be your most valuable weapon against the baddies. In this session we'll discuss how and when to use the wizard and how to extend it to keep your network safe.

The Art of Network Troubleshooting: How to Fix any Network Problem `NETWORK FOCUS`

Th6	Mark Minasi	Thursday, 8:30 – 10:00am

Network software and hardware comes and goes, protocols grow and change, and what we do with networks expands all of the time, but one thing doesn't change: how often we use the words "network" and "not work" in the same sentence. One day we'll just plug it all in and it'll just work, but for now, "to network is to troubleshoot." In this session Mark shares the 12 immutable laws of troubleshooting any network problem.

Top Terminal Services Troubles (and How to Treat Them!) `TERMINAL SERVICES FOCUS`

Th12	Greg Shields	Thursday, 10:15 – 11:45am

Since way back in 1998, Terminal Services has been an integral part of the Windows operating system. We've had a lot of time to play with it and a lot of time to see it break. In this session, we'll look at some of the top support calls from Microsoft and Citrix and work through their solutions. We'll discuss proven practices for setting up Terminal Services in both big and small environments. Best of all, you'll learn the details of how systems change when Terminal Services is installed.

Understanding and Troubleshooting User Profiles `GROUP POLICY & AD FOCUS`

Th18	Darren Mar-Elia	Thursday, 1:00 – 3:00pm

Has there ever been a Microsoft technology more problematic than user profiles? How about roaming user profiles? This session will look in depth at the different types of profiles, how user profiles work, the challenges of using roaming profiles, and how you can troubleshoot and resolve common profile issues. We'll look at tools and techniques for troubleshooting remote profile problems and best practices for ensuring a minimum of profile problems within your environment.

Getting Down and Dirty with Group Policy Functionality `GROUP POLICY & AD FOCUS`

Th24	Darren Mar-Elia	Thursday, 3:15 – 5:15pm

There are a lot of moving parts in Group Policy. Ensuring a functional Group Policy deployment means learning how Group Policy is structured, how it's processed, and where things can go wrong. This session will focus on increasing your understanding of Group Policy internals and processing. You'll get inside knowledge on the most problematic areas of policy and learn how to deal with them should they arise in your environment using the logs and tools that are provided in the box.

Troubleshooting Group Policy and Active Directory Replication: Secrets from the Experts `GROUP POLICY & AD FOCUS`

F6	Gary Olsen	Friday, 8:30 – 10:00am

One becomes an Active Directory expert by managing a world-wide domain with dozens of sites, hundreds of domain controllers, and thousands of interconnected systems. Think you got it bad? Try administering a domain that crosses all 24 time zones. In this session you'll learn untold AD secrets from HP Consultant and AD guru Gary Olsen. You'll leave with replication and Group Policy techniques the big networks use that'll keep your domain running.

When It All Goes South: Active Directory Disaster Recovery `GROUP POLICY & AD FOCUS`

F12	Gary Olsen	Friday, 10:15am – 12:15pm

Every administrator has faced a DR situation in one form or another, ranging from recovering a single object to restoring an entire forest. In this session you'll learn how to use the "Lag Site" replication method to provide a quick online DR option and how a janitor can use Authoritative Restore to bring down an entire forest without a domain account. Gary will also show you the latest techniques in AD Disaster Recovery to help you proactively prevent disasters and what to do if they do happen. All participants in this session will receive a copy of Gary's Active Directory Troubleshooting CD.

REGISTRATION AND TRAVEL INFORMATION

Hotel and Travel Information

**San Jose Marriott
Conference Venue**
301 South Market Street
San Jose, CA 95113
Phone: 408.280.1300

TechMentor has negotiated a special room rate of $159 single/double for conference attendees. Attendees must book their accommodations by **September 19, 2005,** to receive the discount. After that date regular room rates will apply. Rooms at the special rate are available from October 12 through October 24, based on availability.

To make reservations, call 1-800-314-0935 and mention the TechMentor conference to receive your discount or enter this code TM1A online.

American Airlines is offering discounts from any published domestic fare for travel to San Jose or surrounding airports for the TechMentor Conference. Mileage members can receive full credit for all American miles flown to attend this conference. To take advantage of these discounts, please call toll-free, or have your travel agent call: American Airlines: 1-800-433-1790, reference number #26H5AO. (Reservations must be made by phone to receive the discount.).

AVIS Rent-a-Car is offering TechMentor attendees a discount from October 10 to October 28, 2005 . To receive the discounted daily and weekly rates, simply call Avis at 1-800-331-1600 and use Avis Worldwide Discount number D005872.

HOW TO REGISTER

Online: TechMentorEvents.com
Phone: 1-800-280-6218 (8:00am – 5:00pm PST)
Fax: 1-541-346-3545
Mail: TechMentor Registration
1277 University of Oregon
Eugene, OR 97403-1277
Onsite: You may register for the conference onsite. However space is limited and admission cannot be guaranteed.

Questions?
Phone: 1-800-280-6218 (8:00am – 5:00pm PST)
Email: TMREG@continue.uoregon.edu
Web: TechMentorEvents.com

TechMentor's Federal Tax I.D. Number is 95-4758348
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Conference Registration

Each attendee will have access to:

> All Courses Monday – Friday
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> Cocktail Reception
> Improv Night at TechMentor
> Peer Networking Events
> Exhibit Hall
> Consulting Hour with Instructors
> Lunches and Morning Pastries
> Printed Course Notes (for registered courses only)
> All Course Notes Available Online
> T-shirt with Completed Survey
> Conference Bag
> Demo Copy of VMware

Early Bird Price (By September 9, 2005): **$1,495**
Regular Price (After September 9, 2005): **$1,695**

Group Discounts

When you register 4-9 colleagues from the same company at the same time, each attendee pays only $1,295 per person. Register 10 or more colleagues for only $1,195 per person. For more information on group registration, please call Sara Ross at 972-506-9027 or email at sross@101com.com.

Alumni Discount
We value our alumni! Attendees of any TechMentor Event from 2001 – 2005 will qualify for an additional $100 discount off the registration fee (a total savings of $300 when you register by September 9). To qualify for the discount please include which conference or summit you attended. This discount may not be combined with any other offer.

Attendee Networking Forum
Network with your peers before the conference begins. Check the "Attendee Networking Forum" box when you register and we'll send you an email with attendee contact information about a week before the event. It's a great way to start networking before you arrive in San Jose. Additionally, there will be many opportunities onsite to network.

Refund and Cancellation Policy
Registration is transferable with written authorization. Cancellations must be in writing and postmarked before the cancellation deadline. Cancellations must be made by September 16, 2005 and will be subject to a $250 cancellation fee. Cancellations made after September 16, 2005 as well as "no shows" are liable for the full registration fee.

REGISTRATION FORM

1 Select your desired track.

- ○ Cisco Certified Network Associate (CCNA)/Infrastructure
- ○ Microsoft Certified Systems Administrator (MCSA)
- ○ Microsoft Certified Systems Engineer (MCSE)
- ○ Scripting
- ○ Security
- ○ Windows/Linux Integration
- ○ System and Network Troubleshooting

You will be automatically registered for each session in your selected track. However, you are able to attend ANY session offered at TechMentor. After registration, you will receive a confirmation email with instructions to go online and select the sessions you are interested in attending.

2 Type or print your name and address.

First Name for Badge

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*Required! Your email address is used to communicate with you about conference registration. You will also receive information about future TechMentor Events. Refer to our privacy policy at 101com.com/privacy.asp for additional information.

Which certification titles do you currently hold?
Please check all that apply:

❍ MCP   ❍ MCDST ❍ MCSA   ❍ MCSE   ❍ MCSD
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❍ Yes, I want to participate. See page 18 for details.

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3 Calculate your payment.

Early Bird (Through September 9)	$1,495
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Groups of 4 or more, please call
Sara Ross at 972.506.9027 to register.

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To confirm your registration, a guarantee of payment is required. Remit with a check or credit card. If you need an invoice, please call 800-280-6218 or email TMREG@continue.oregon.edu.

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4 Send in your registration.

MAIL with full payment:

TechMentor Registration
1277 University of Oregon
Eugene, OR 97403-1277

FAX with credit card payment: 541.346.3545

PHONE 800.280.6218

ONLINE TechMentorEvents.com

After October 14 please register onsite. Registration will be limited to space available.

Photocopy this form for additional registrations.

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