

TECHMENTOR

CONFERENCE

NETWORK AND CERTIFICATION TRAINING FOR WINDOWS® PROFESSIONALS

100+ Sessions, 6 Tracks

Exchange/
SQL
Server

MCSE

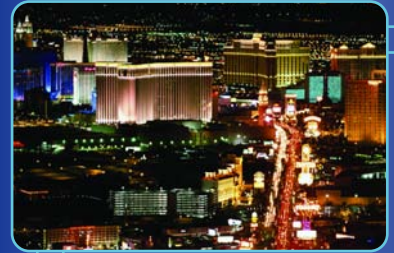
MCSA

Scripting
and
Automation

Security

System
and
Network
Troubleshooting

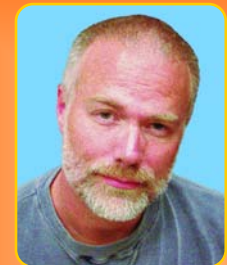
OCTOBER 9-13, 2006
LAS VEGAS



KEYNOTE SPEAKERS



Bill Boswell, Senior Consultant
with Microsoft Consulting
Services, Author



Mark Minasi, Best-Selling Author,
Popular Technology Columnist,
Commentator and Keynote Speaker

Register by September 1
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TechMentorEvents.com

PRESENTED BY:

Redmond
MAGAZINE

Microsoft will be unleashing a new wave of technologies: *Will you be ready?*

Join network administrators and IT managers for TechMentor's focused training—by expert instructors—on integrating, managing, securing and troubleshooting Microsoft Windows server systems.

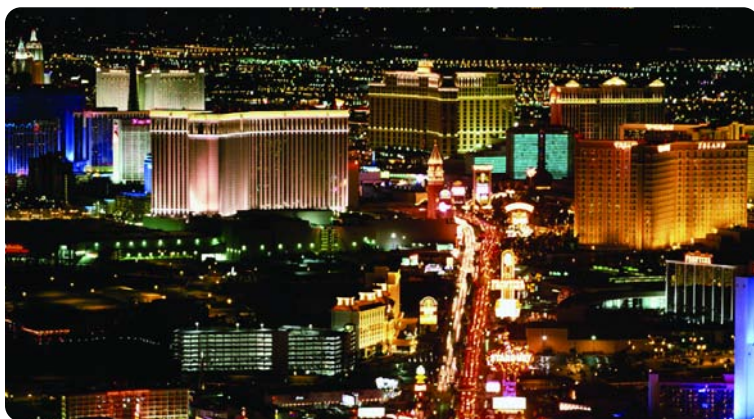
Technical Training at Every Level of Experience

TechMentor delivers in-depth technical training designed to help you get the most out of your network. Experts will cover these topics and more:

- » Active Directory
- » Command-Line Scripting
- » Disaster Recovery
- » Group Policy
- » VBScript
- » Vista
- » Wireless Security

Tips, Tips, Tips

Bringing real-world experience to the conference, TechMentor instructors actually USE the technology they teach about. You'll walk away with hundreds of tips and step-by-step instructions that you can apply immediately.



Who Should Attend

- > Network and Systems Administrators
- > IS/IT Managers and Directors
- > Network and System Engineers
- > MCPs, MCSAs and MCSEs
- > Security Specialists
- > IT/Systems/Technical Analysts
- > Help Desk/Desktop Support
- > Consultants

Keynote Presentations

Bill Boswell

Senior Consultant with Microsoft Consulting Services, Author
What's Ahead for a Windows Datacenter



Mark Minasi

Best-Selling Author, Popular Technology Columnist, Commentator and Keynote Speaker
Hastening La Vista: Microsoft Delivers The Next Windows



Exhibit Hall

Evaluate the newest products and solutions for Windows networking professionals in the TechMentor Exhibit Hall. Leading vendors will be on hand to explain and demonstrate the very latest breakthroughs in their technologies.

Wednesday, October 11

- 11:45am-2:00pm Exhibit Hall Open and Lunch
- 5:30-7:30pm Exhibit Hall Open & Reception
- 6:00-7:00pm One-On-One Consulting Hour
- 6:30-7:30pm Meet the Editors of *Redmond* magazine

Thursday, October 12

- 11:45am-2:00pm Exhibit Hall Open and Lunch
- 1:00-1:45pm Vendor Presentations

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Instructors

Paul Adare, the Chief Technology Officer of IdentIT Inc., is a security consultant specializing in Identity Management, Rights Management, and Public Key Infrastructure deployments. Paul's background includes Microsoft technologies, Lotus Notes, Sun Microsystems, IBM AIX, UNIX and Linux. He has held roles in technical training, consulting, subject matter expert for Microsoft Learning Products, support and help desk.

Dmitri Daiter, MCSE, a Principal Exchange Engineer for Zenprise Inc., is a systems engineer/architect with over 12 years of experience in the IT industry. Dmitri's specialization is architecting and managing network and messaging infrastructure based on Microsoft products, but his expertise spans a range of technologies. Dmitri had several successful network and messaging infrastructure deployment and migration projects from Exchange 4.0 to 2003. Currently he is focusing on messaging troubleshooting automation and tools.

Anil Desai, MCSE, MCSD, MCDBA, is an independent consultant based in Austin, TX. He specializes in evaluating, implementing, and managing solutions based on Microsoft technologies. Anil has designed and managed hundreds of SQL Server databases. He has worked extensively with Microsoft's server products and the .NET development platform. Anil is the author of books on the Windows Server Platform, SQL Server, Virtualization, AD, and IT management. He is a conference presenter and magazine contributor.

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.

Eric Johnson, MCSE, MCDBA, MCSD, is a database administrator for a Fortune 500 company. Eric has 10 years of IT experience and has been working with Microsoft SQL Server since version 6.5. Eric has managed and designed databases of all shapes and sizes. He has delivered numerous SQL Server classes and Webcasts. He is the VP of Marketing for the Colorado Springs SQL Server Users Group and author of the 4-part series, Tour de SQL, published in *Redmond* magazine.

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 information technology books, including *Managing Windows with VBScript and WM* (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, has been involved in computers and networking for over two decades. He has worked for companies such as Xerox, AAA and IBM to consult on both bounded and unbounded media technologies, as well as unlicensed IEEE specifications. He's been consulting on the new 802.11j (4.9GHz) for Homeland Security, as well as providing prevention techniques for hacking and forensic technologies. Todd has written more than 50 Sybex study guides. Todd is President of GlobalNet Training and CEO of RouterSim, LLC.

Rhonda Layfield, MCT, NT/2000/2003 MCSE, MCSE: Security, began her network support career in 1982 serving in the US Navy, where she worked for 7 years in communications with a top secret clearance. Since then, she alternates between consulting (including a network support role at Microsoft) and training (currently teaching MCSE bootcamps). Some of her clients include Dow Jones, US Airforce, IBM, Duke Energy, Wachovia and EDS.

Darren Mar-Elia, MVP, directs DesktopStandard's product engineering group. He has 18 years of experience in IT systems and network administration architecture with companies such as Quest Software, Charles Schwab and Wells Fargo Bank. He is currently a member of the JP Morgan Partners Technology Advisory Board. He created and maintains pgoguy.com and has written and contributed to eleven books on Windows including *The Windows Group Policy Guide* (Microsoft Press). Darren 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* (MSPress) and *Windows XP Professional ExamCram2 Second Edition* (QUE).

Mark Minasi, MCSE, 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 won CertCities.com's "Favorite Technical Author" reader poll for the third year running.

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

Sekou Page, MCSE, CISSP, has over 10 years of experience in the IT field. He is Exchange 5.5/2000, IIS, and Active Directory Design Certified. Sekou specializes in Active Directory and Exchange migrations and has lead over 50 successful migrations, over 30 of which were in Exchange 2003. His expertise also includes infrastructure architecture/optimization and security. Currently Sekou is the Principal Exchange knowledge architect at Zenprise.

Keith Parsons is Managing Director of the Institute for Network Professionals and is Editor-in-Chief for NICs. He holds 36 technical certifications and has earned an MBA in Qualitative Analysis from the Marriott School of Management. He is author (or editor) of a dozen technical publications and has developed six technical certifications for companies such as Network Associates, Verisign, and IBM.

Beth Quinlan, MCT, MCSE, MCSA, CISSP, is a trainer/consultant who has specialized in Microsoft infrastructure technologies and security design for over 12 years. Beth is in her 4th worldwide tour for Microsoft Product Teams. She trains internal Microsoft engineers, partners and customers on ISA Server 2004, Antigen, Exchange Hosted Services and RMS. Beth has spoken at events for Microsoft and others, written courseware, developed hands-on labs and recently authored *ISA Server 2006 Reviewer's Guide*.

Steve Riley is a product manager in Microsoft's Security Business Unit. In 1998 he joined Microsoft Consulting Services to design highly-available network architectures, develop hosting platforms for custom and off-the-shelf applications, and deploy complex multi-site VPNs. As a security consultant, he worked with customers to conduct security assessments and risk analysis, deploy technologies for attach prevention and intrusion detection, and assist with incident response efforts. He is a frequent speaker at conferences worldwide.

Bruce Rougeau, MCSE, MCP+I, MCT, Citrix Certified MetaFrame Administrator, began designing and implementing a three-tier architecture in 1998. A 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 consultant with 3t Systems in Denver. A contributing editor to *Redmond* magazine, Greg has experience with architecting and administering enterprise collaboration systems using Microsoft, Citrix, and VMWare technologies. His recent projects include architecting a multi-company, collaborative software development environment, deployment of an enterprise patch management system using SMS, and authoring best practices with its use. Greg is a dynamic speaker and technical trainer.

Bharat Suneja, MCT, MCSE: Messaging, MCSE: Security, Security+, has over 10 years of experience architecting and managing exchange environments ranging from mid-size companies to large service providers. His expertise spans Active Directory and security. Bharat has worked in industries including ecommerce, ISP/ASP, IT firms and software. Bharat is a writer and contributing editor for IT publications and was a technical reviewer for *Exchange Server 2003 24 Seven* (by Jim McBe).

Richard Taylor is a speaker, consultant, and trainer. He has worked as an instructor for training centers, a consultant for firms such as Honeywell, MCI, and 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.

Joern Wetter, Ph.D., MCSE, MCT, Security+, is the owner of Wetter Network Solutions, a consulting and training firm. He has written books and developed training courses on a number of networking and security topics. In addition to helping companies implement network security solutions, he regularly teaches seminars and speaks at conferences worldwide.

Pre-Conference
Crash CoursesMonday, 8:00-11:30am
October 9**CC1** VMWare Workstation
and ESX Crash Course
Greg Shields**CC2** Networking Crash Course
Todd Lammle**CC3** Vista Crash Course
Mark MinasiSYSTEM & NETWORK
TROUBLESHOOTING

SECURITY

SCRIPTING AND
AUTOMATIONMonday, 12:30-2:00pm
October 9**M1** Patch Management 101:
Tools & Techniques to
Keep Your Network Safe
Greg Shields**M2** Anonymous Computer
Usage
Todd Lammle**M3** VBScript Fundamentals,
Part 1
Don Jones

2:15-3:45pm

M7 Understanding and
Troubleshooting User
Profiles
Darren Mar-Elia**M8** Network Analysis
Todd Lammle**M9** VBScript Fundamentals,
Part 2
Don Jones

4:00-5:30pm

M13 The Accidental DBA's Guide
to Microsoft's Mandatory
Databases—MSDE & SQL
Server Express
Mark Minasi**M14** Social Engineering
Keith Parsons**M15** VBScript Debugging and
Error Handling
Don JonesTuesday, 8:30-10:00am
October 10**T1** Getting Down & Dirty
with Group Policy
Functionality
Darren Mar-Elia**T2** Penetration Testing
Keith Parsons**T3** VBScript and Windows
Management
Instrumentation (WMI)
Don Jones

10:15-11:45am

T7 What's New with Group
Policy in Windows Vista
Darren Mar-Elia**T8** Computer Forensics
Keith Parsons**T9** VBScript and Active
Directory Services Interface
(ADSI)
Don Jones

1:45-3:15pm

T13 Using, Troubleshooting,
and Customizing the
Security Configuration
Wizard
Greg Shields**T14** Wireless Security, Part 1
Todd Lammle**T15** Writing Inventory Scripts
Don Jones

3:30-5:00pm

T19 Be Gone Ye' SpyWare:
Ridding IE of Spyware for
Good
Greg Shields**T20** Wireless Security, Part 2
Keith Parsons**T21** VBScript and Databases
Don JonesWednesday, 8:30-10:00am
October 11**W1** The Good, the Bad, and
the Really Ugly of
Microsoft's FRS
Rhonda Layfield**W2** What You Can Do Now to
Secure Your E-Mail
Joern Watterton**W3** Windows PowerShell
("Monad") Scripting, Part 1
Don Jones

10:15-11:45am

W7 The Windows
Troubleshooter's Guide to
DNS
Greg Shields**W8** Securing Content with
Windows Rights
Management Services
Paul Adare**W9** Windows PowerShell
(WPS) Scripting, Part 2
Don Jones

2:15-3:45pm

W13 Top Tricks for Monitoring
and Analyzing System
Performance
Greg Shields**W14** Securing Web
Applications with ISA
Server 2006
Beth Quinlan**W15** Command-Line
Scripting, Part 1
Jeff Hicks

4:00-5:30pm

W19 Finding and Fixing the
Nastiest Active
Directory Problems
Mark Minasi**W20** Windows Vista System
Integrity Technologies
Steve Riley**W21** Command-Line
Scripting, Part 2
Jeff HicksThursday, 8:30-10:00am
October 12**Th1** Windows Authentications
Revealed
Mark Minasi**Th2** Making the Best Use of
Group Policy to Secure
Your Network
Beth Quinlan**Th3** Windows PowerShell
(WPS, formerly code-named
"Monad") Scripting
Overview
Don Jones

10:15-11:45am

Th7 When WSUS Goes Bad:
Troubleshooting Windows
Update
Greg Shields**Th8** Windows Vista
Networking, Firewall, and
IPsec Improvements
Steve Riley**Th9** VBScript with a GUI:
HTML Applications
(HTAs)
Don Jones

2:15-3:45pm

Th13 Tuning, Troubleshooting,
and Taming Terminal
Services
Greg Shields**Th14** Effective Computer
Lockdown
Joern Watterton**Th15** Script Without
Scripting
Jeff Hicks

4:00-5:30pm

Th19 Ask the Troubleshooting
Experts
Troubleshooting Speakers**Th20** Microsoft Certificate
Lifecycle Manager
Deep Dive
Paul Adare**Th21** Automating Windows
Desktop Administration
Jeff HicksFriday, 8:30-10:00am
October 13**F1** The Best Free Tools for
Windows Server
Troubleshooting
Greg Shields**F2** Security Myths Debunked
Joern Watterton**F3** Top Tricks of the Scripting
Pros
Don Jones

10:15-11:45am

F7 Documentation & Change
Control: Hating It to Loving
It in 90 Minutes
Greg Shields**F8** Attacker Trends and
Techniques: an Update
Steve Riley**F9** Advanced VBScript Tips,
Techniques, and Practices
Don Jones

CC4 Linux/Windows Integration Crash Course
Jeremy Moskowitz

CC5 Troubleshooting Group Policy Crash Course
Derek Melber

EXCHANGE/SQL SERVER	MCSA	MCSE
M4 Overview of Exchange Server 2007 Bharat Suneja	M5 MCSA: Attended and Unattended Installs and Upgrades Bruce Rougeau	M6 MCSE: Physical and Logical Devices Rick Taylor
M10 Messaging Hygiene in Exchange 2003 & Beyond: 2003, 2003 SP2, Exchange 2007 Bharat Suneja	M11 MCSA: Data Access, File System, and Printing Bruce Rougeau	M12 MCSE: Resource Access Derek Melber
M16 Designing Exchange for Performance Sekou Page	M17 MCSA: Windows 2003/XP System Configuration and Backup Strategies Bruce Rougeau	M18 MCSE: RAS and Remote Administration Rick Taylor
T4 SMTP Virtual Servers and SMTP Connectors: How to Configure SMTP in Exchange Server 2003 Bharat Suneja	T5 MCSA: Active Directory, Part 1 Bruce Rougeau	T6 MCSE: Name Resolution Rhonda Layfield
T10 Clustering Exchange with Exchange Server 2003 & 2007 Bharat Suneja	T11 MCSA: Active Directory, Part 2 Bruce Rougeau	T12 MCSE: Manage Users, Computers, and Groups Derek Melber
T16 Troubleshooting DNS for Exchange Sekou Page	T17 MCSA: Disk Management Bruce Rougeau	T18 MCSE: Networking Concepts and Principles Derek Melber
T22 Disaster Recovery Planning for Exchange Sekou Page	T23 MCSA: Terminal Services and Remote Troubleshooting Bruce Rougeau	T24 MCSE: Network Security Rick Taylor
W4 Exchange and Active Directory Availability Issues Dmitri Daiter	W5 MCSA: Performance Monitoring and System Recovery Strategies Bruce Rougeau	W6 MCSE: IIS and IIS Security Rick Taylor
W10 Client Side Exchange Troubleshooting Dmitri Daiter	W11 MCSA: TCP/IP Configuration and DHCP Issues Bruce Rougeau	W12 MCSE: Active Directory, Part 1 Derek Melber
W16 Troubleshooting SMTP for Exchange Sekou Page	W17 MCSA: DNS Configuration and Troubleshooting Bruce Rougeau	W18 MCSE: Active Directory, Part 2 Derek Melber
W22 Architecting a Highly Secure Messaging Environment Sekou Page	W23 MCSA: Configuring Routing and Remote Access Bruce Rougeau	W24 MCSE: Managing and Monitoring Performance Rick Taylor
Th4 SQL Server 2005 Reporting Services Eric Johnson	Th5 MCSA: 70-290 Exam Prep Bruce Rougeau	Th6 MCSE: Introduction to GPOs Derek Melber
Th10 Monitoring and Optimizing SQL Server 2005 Performance Anil Desai	Th11 MCSA: Troubleshooting RAS Policies and Capturing Passwords with Network Monitor Bruce Rougeau	Th12 MCSE: Disaster Recovery and Backups Rick Taylor
Th16 SQL Server Integration Services Eric Johnson	Th17 MCSA: Role-Based Security and Security Templates Bruce Rougeau	Th18 Repeat – MCSE: Introduction to GPOs Derek Melber
Th22 Securing SQL Server 2005 Anil Desai	Th23 MCSA: Web Services and Service Pack and Hotfix Assessment and Deployment Bruce Rougeau	Th24 MCSE: Advanced GPOs Derek Melber
F4 Replication in SQL Server 2005 Eric Johnson	F5 MCSA: IPsec Security Principles Bruce Rougeau	F6 MCSE: PKI and Certificates Rick Taylor
F10 SQL Server 2005 Data Protection and High Availability Anil Desai	F11 MCSA: Certificate Strategy and Planning Bruce Rougeau	F12 MCSE: Review Session Rick Taylor

Monday, October 9

Tuesday, October 10

Wednesday, October 11

Thursday, October 12

Friday, October 13

Crash Courses

Monday, October 9, 2006

GO DEEP! TechMentor takes you in-depth with 3-1/2 hour crash courses on Networking, Troubleshooting, Vista, Linux/Windows Interop and more. Get a jump on your training with these pre-conference courses led by expert instructors.

CC1 VMware Workstation & Server Crash Course

8:00-11:30am

Greg Shields

If you've heard all the virtualization hype and not had time to learn it, now's your chance! Focusing on VMWare's suite of products for virtualizing servers and workstations, Greg will guide you swiftly through the tools and the technology while pointing out the pitfalls and the promise. You'll learn the basics of deploying, managing, and troubleshooting Virtual Machines using VMWare's Workstation and ESX Server. You'll discover the best ways to secure your server hosts and rapidly deploy new Virtual Machines. You'll analyze system sizing tricks and performance optimizations that prevent bottlenecks and resource overuse. And, you'll leave with proven solutions for virtualizing your entire server infrastructure at a very affordable price.

CC2 Networking Crash Course

8:00-11:30am

Todd Lammle

TCP/IP? IPv6? Internetworking? Hubs, switches and routers? Have you always wanted to understand what these terms really mean in a compact, easy to understand format? Take the plunge into this high octane, half-day course and leave soaked in everything about basic networking. You'll be fully equipped with a thorough, reality-based knowledge of networking. This course opens with the very basics of computers and networking, then glides upward through TCP/IP addressing, routing protocols and even basic wireless technologies—priceless for anyone trying to get a running start in the networking arena.

MCSA – Microsoft Certified Systems Administrator Track

Microsoft Certified System Administrators (MCSAs) are the frontline, in-the-trenches workers in most organizations. They're the system administrators, the ones who keep the servers humming along, who manage users, groups and resources. If this is you, it's time to get busy and add a title to your arsenal that will give you a leg up on your peers and demonstrate your expertise to the boss. The 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 has been updated to include a new session that will quiz the students by going through a database of Microsoft questions targeted at the 70-290 exam. This is a jam-packed week with a lot of material to cover and a dynamic instructor to aid you in navigating the MCSA maze. This track is led by popular "certification slam session" instructor Bruce Rougeau who has been teaching MCSA/MCSE certification courses for the past 10 years.

NOTE: 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.

CC3 Vista Crash Course

8:00-11:30am

Mark Minasi

Windows Vista's on the way with a bunch of cool new features. So get ready for another round of "Just HOW do I do this thing I used to be able to do in two clicks?" In this course, Mark Minasi helps you get past "fear of flying"—flying off the handle, that is, when it first takes you a half hour to find the Properties page for your network adapter. You'll find this session is the fastest way to translate your "XPertise" to the newest Windows so that you can, well, sit back and enjoy the Vista!

CC4 Linux/Windows Integration Crash Course

8:00-11:30am

Jeremy Moskowitz

Linux is coming to your enterprise, and you'll have to support it. Are you ready? Could you reboot, troubleshoot, change rights, install new Linux software? Better take a crash course. Since you're getting into Linux, you'll want single sign-on from the corporate Active Directory. In the second half of the session, we'll describe and demonstrate how Active Directory can be the focal point of your authentication network, provide some tips on how to configure Linux clients and how Samba (an application which makes Linux play nicely with Windows) fits into the picture. If you've got Linux and Windows and lot of questions, this session is for you.

CC5 Troubleshooting Group Policy Crash Course

8:00-11:30am

Derek Melber

If you run Active Directory, you use Group Policy. Even with the default Group Policy Objects, other issues will arise. Knowing what's under the hood will go a long way toward troubleshooting. This session will go into the finer points of troubleshooting Group Policy files, folders, permissions, and storage. You'll learn about creating, modifying and applying Group Policy, from both the client and server standpoint. When you're done with this crash course, you'll be able to quickly and efficiently resolve any Group Policy issue.

M5 MCSA: Attended and Unattended Installs and Upgrades

Monday 12:30-2:00pm

Bruce Rougeau

After a course overview, you'll move right into troubleshooting an attended or unattended installation or upgrade of Windows XP and Windows 2003. You'll use tools such as Remote Installation Services, Sysprep and Setup Manger. Then you'll migrate user settings and files using the Files and Setting Transfer Wizard, ScanState and LoadState.

M11 MCSA: Data Access, File System, and Printing

Monday 2:15-3:45pm

Bruce Rougeau

You'll learn techniques for planning, creating and monitoring a data access strategy for providing access to files, folders and shares—including NTFS permissions, Share permissions, WebDav, compression and encryption. Other topics covered include configuring and providing access to Offline files, synchronization, creating and managing printers and print jobs for local printers, remote printers, printer sharing and Internet printers.

M17 MCSA: Windows 2003/XP System Configuration and Backup Strategies

Monday 4:00-5:30pm

Bruce Rougeau

You'll learn how to install, configure, remove, troubleshoot and monitor devices and configure driver options for driver signing. Learn how to use tools like regedit to search and modify the reg-

istry. You'll also get into configuring hardware profiles, power management for mobile users and using Scheduled Tasks to schedule backups or other routine events.

T5 **MCSA: Active Directory, Part 1**
Tuesday 8:30–10:00am Bruce Rougeau

This session will be a complete introduction to Active Directory, including all the buzz words and all the steps for creating a multi-level domain forest. You'll examine the different groups by defining the scope and membership for each then explore possible implementations based on the Microsoft terminology. You'll also learn about managing user objects via a GUI or scripts.

T11 **MCSA: Active Directory, Part 2**
Tuesday 10:15–11:45am Bruce Rougeau

This session will introduce the concept of GPOs and scenarios for using them. Then you'll learn how to use Resultant Set of Policy and Group Policy Management Snap-ins to resolve conflicts between GPOs. You'll also learn about GPO Filtering, Loopback processing, Block Inheritance, Override and WMI filtering.

T17 **MCSA: Disk Management**
Tuesday 1:45–3:15pm Bruce Rougeau

Hardware management is the theme for this session. You'll learn about managing basic and dynamic disks, monitoring hardware devices with Device Manager and the Control Panel, optimizing server disk performance with RAID, defragmentation and monitoring disk quotas. The session will also cover different RAID options, how to recover from a disk failure, the command line tool diskpart and the value Microsoft sees that it brings to the table.

T23 **MCSA: Terminal Services and Remote Troubleshooting**
Tuesday 3:30–5:00pm Bruce Rougeau

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. Learn how to use the Remote Desktop group and limitations in an Active Directory environment.

W5 **MCSA: Performance Monitoring and System Recovery Strategies**
Wednesday 8:30–10:00am Bruce Rougeau

Learn how to monitor your most critical resources by creating a system baseline that includes CPU, disks, network, processes and pagefile performance counters. You'll also learn about the boot sequence for Intel systems and explore options for backing up and restoring your systems using automated system recovery (ASR) procedures; restoring data from shadow copies; planning, deploying and monitoring system backups; and restoring a failed system. You'll emerge with an understanding of Windows backup, safe mode, system restore and recovery console.

W11 **MCSA: TCP/IP Configuration and DHCP Issues**
Wednesday 10:15–11:45am Bruce Rougeau

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

W17 **MCSA: DNS Configuration and Troubleshooting**
Wednesday 2:15–3:45pm Bruce Rougeau

You can't be an effective administrator if you don't understand name resolution—specifically DNS. Learn the ins and outs of DNS,

configuring DNS server options, zone options, DNS forwarding, and monitoring and troubleshooting DNS.

W23 **MCSA: Configuring Routing and Remote Access**
Wednesday 4:00–5:30pm Bruce Rougeau

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.

Th5 **MCSA: 70-290 Exam Prep**
Thursday 8:30–10:00am Bruce Rougeau

This session will cover Microsoft questions for the 70-290 Managing and Maintaining a Windows Server 2003 Environment exam. You'll go through each test objective by covering questions from Microsoft Readiness and Review materials.

Th11 **MCSA: Troubleshooting RAS Policies and Capturing Passwords with Network Monitor**
Thursday 10:15–11:45am Bruce Rougeau

RAS policies can be tricky to implement. You'll learn about the various settings and see a live demo exploring various variations. You'll also leave knowing how to go home and start sniffing your local networks with Microsoft's complimentary Network Monitor. You'll learn how it works, and how to use it to monitor and troubleshoot network issues.

Th17 **MCSA: Role-Based Security and Security Templates**
Thursday 2:15–3:45pm Bruce Rougeau

Security means different things to different people. In this course, you'll go through the different types of servers and discuss the various security measures you can take for each. Then you'll learn how to use GPOs and security templates based on computer roles to configure Registry and file permissions, account policies, audit policies, user rights, security options and system services. The next part is deploying templates using GPOs and scripting.

Th23 **MCSA: Web Services and Service Pack and Hotfix Assessment and Deployment**
Thursday 4:00–5:30pm Bruce Rougeau

Each MCSA should be able to install and configure an IIS server. In this session, you'll learn how to install IIS, create virtual directories, explore IIS 6.0 architecture, set security parameters and set up IIS for self-monitoring. You'll also learn how to make IIS more functional by enabling features disabled by default.

F5 **MCSA: IPSec Security Principles**
Friday 8:30–10:00am Bruce Rougeau

Learn how to increase security with IPSec, 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 get into troubleshooting IPSec with IP Security Monitor and IPSec logging and learn how to plan and implement security for wireless networks.

F11 **MCSA: Certificate Strategy and Planning**
Friday 10:15–11:45am Bruce Rougeau

Finish your week's training 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, and archive and recover keys and revoked certificates. You'll also learn how to back up and restore your CA.

MCSE – Microsoft Certified Systems Engineer Track

Holding the Microsoft Certified Systems Engineer (MCSE) title says a lot about you: it's difficult to get, and shows that you've got top-level design and administration skills. It's also a credential that can add sparkle to your resume. But you have to come prepared for this rigorous course: 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 week will prepare you to take tests necessary to obtain Microsoft's highest-level administrative certification. Led by well-known author and trainer Derek Melber, the course offers a sequential path through the test objectives you'll be required to know. Be ready with your laptop and goggles: this course flies!

NOTE: 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.

M6 MCSE: Physical and Logical Devices Monday 12:30–2:00pm Rick Taylor

Hard drives are the most important physical and logical devices on a Windows system. With basic disks, dynamic disks, volumes, partitions and troubleshooting, there's a lot to know. Don't forget about handling drivers, driver signing and driver rollback. You'll learn about disk quotas, defragmentation, removable drives and how the operating system detects and handles these devices.

M12 MCSE: Resource Access Monday 2:15–3:45pm Derek Melber

Permissions aren't the same as back in the Windows NT days. They've grown up and have true inheritance, control over permission denial and granularity unlike anything before. With changes to how ownership is handled (or given away) and default share permissions, you're dealing with a brand new structure for handling resources in Windows Server 2003. If you missed the key changes with the encrypting file system (EFS), you've missed one of the biggest improvements in Windows Server 2003.

M18 MCSE: RAS and Remote Administration Monday 4:00–5:30pm Rick Taylor

This session will dig deep into remote access services, covering protocols, security, RAS clients and permissions. RAS policies—the heart of RAS security—will be demystified so you can fully understand how to create and manage them. You'll also learn about other remote access topics like Remote Desktop, Remote Assistance, Terminal Services for administration (which has new names and interfaces for Windows Server 2003) and tools like the MMC and how to use the Adminpak for administration.

T6 MCSE: Name Resolution Tuesday 8:30–10:00am Rhonda Layfield

Have you said goodbye to WINS yet? If you haven't, you're not alone. Not only do we still get to support WINS, but now Active Directory requires DNS. Most Active Directory issues end up being DNS issues, so if it's not set up properly for AD, bad things happen and they happen fast. This session will help prepare you for DNS's requirements, options and recommended configurations for Active Directory.

T12 MCSE: Manage Users, Computers, and Groups Tuesday 10:15–11:45am Derek Melber

With roaming profiles and mandatory profiles, controlling them is very important. If you have roaming profiles, you then need to

know what is stored in them to save time and drive space. If you have users changing from one computer to another, tools like the File and Settings Transfer Wizard and User State Migration Tool (USMT) will help you migrate their information. You'll also learn about the new types of groups available in Active Directory and best practices on how to use and nest them.

T18 MCSE: Networking Concepts and Principles Tuesday 1:45–3:15pm Derek Melber

This session starts off with thorough coverage of IP and subnetting. You'll learn about supernetting, CIDR and subnet masking to the nth degree. You also get up to speed on all areas of DHCP and DHCP design criteria (including the DHCP relay agent and DHCP scope options), NAT, demand-dial routing and wireless connections and IP troubleshooting.

T24 MCSE: Network Security Tuesday 3:30–5:00pm Rick Taylor

When it comes to network security, there are plenty of options within Windows Server 2003. You'll get reacquainted with old friends like SMB signing and port filtering, learn how to secure authentication and how to use certificates to increase network communication security. You'll also get into IPSec—an abyss of settings and options you'll learn to decrypt—and the new and improved Windows Firewall, which you can control almost 100% through GPOs.

W6 MCSE: IIS and IIS Security Wednesday 8:30–10:00am Rick Taylor

Windows Server 2003 now has a distinct product for running a Web server—IIS. You'll learn the new features of IIS including overlapping recycling, real-time editing of the XML metabase, Application Pools, Web Service Extensions, and the key architectural changes that improve stability, security and performance for your Web servers.

W12 MCSE: Active Directory, Part 1 Wednesday 10:15–11:45am Derek Melber

Active Directory takes you on a quest to understand the terminology and structural components. You'll learn both in this session, starting with the key concepts and the structural components of Active Directory and how they work together. You'll cover domains, trees, forests, sites, trusts, organizational units (OUs) and more. Without a core understanding of how Active Directory works, you will never be successful on any of the MCSE exams dealing with Active Directory. You'll get all of the answers here.

W18 MCSE: Active Directory, Part 2 Wednesday 2:15–3:45pm Derek Melber

Active Directory is too big a topic to fit into one session. This second session will present the more difficult topics, such as FSMOs, universal group caching, replication design, organizational unit (OU) design, Active Directory security and delegating administrative control. You'll also learn how to secure domain controllers and account policies, and ensure that all authentications are secure.

W24 MCSE: Managing and Monitoring Performance Wednesday 4:00–5:30pm Rick Taylor

Although Task Manager has been around a long time, it has several new features for you to learn. There's also the System Monitor (a.k.a. Performance Monitor), which is 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. You'll also see Microsoft Baseline Security Analyzer (MBSA), which is constantly being upgraded with new features.

Th6 MCSE: Introduction to GPOs Thursday 8:30–10:00am Derek Melber

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, enforcement, blocking policy inheritance and GPO filtering. You'll also learn about the key aspects of GP settings, including security controls, logon and authentication components, software restrictions, desktop standardization and software distribution.

Th12 MCSE: Disaster Recovery and Backups Thursday 10:15–11:45am Rick Taylor

Learn how to navigate the myriad options for troubleshooting, backup and recovery. There are still familiar tools like Last Known Good and NTBackup, as well as new options like Automated System Recovery and Volume Shadow Copy. For Active Directory, there are also System State and authoritative restores, the Recovery Console, tombstoning and emergency management.

Th18 MCSE: Introduction to GPOs (repeat session) Thursday 2:15–3:45pm Derek Melber

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, enforcement, blocking policy inheritance and GPO filtering. You'll also learn about the key aspects of GP settings, including security controls, logon and authentication components, software restrictions, desktop standardization and software distribution.

Th24 MCSE: Advanced GPOs Thursday 4:00–5:30pm Derek Melber

This session will take you on a tour of advanced GPO techniques and tasks, like custom GPO settings, ADM templates and new security settings. You'll use security templates to secure a group of computers and ensure the computers always get these settings. You'll also learn how to delegate control to all aspects of GPO management using the new features of the GPMC.

F6 MCSE: PKI and Certificates Friday 8:30–10:00am Rick Taylor

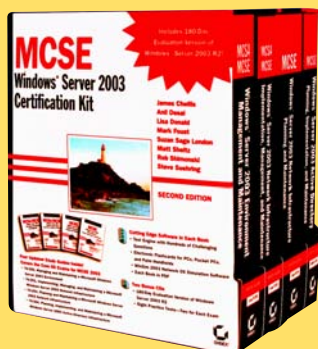
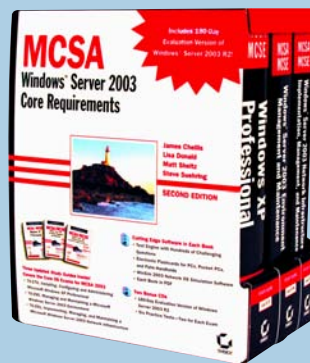
Windows Server 2003 PKI can deploy an enterprise public key infrastructure fairly simply, but understanding the correct hierarchy for your Certificate Authorities (CAs) is essential. You'll learn the correct design of PKI and your CAs, as well as how to issue and manage the certificates required for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

F12 MCSE Review Session Friday 10:15–11:45am Rick Taylor

Do you still have burning questions about Microsoft technologies, exams, or the exam process? This is the time for those questions. We'll open up the floor to your questions, and guide you through some summary activities to help solidify your knowledge from the week. We will look at a few archived Microsoft questions that give you a clear understanding of the type of questions you'll be up against when you sit for the exams. Remember, "There are no stupid questions." Bring your questions to this session.

MCSA: Windows Server 2003 Core Requirements (70-270, 70-290, 70-291), 2nd Edition By James Chellis, ISBN: 0-7821-4452-7 (\$119.97 retail, \$60 for TechMentor attendees, courtesy of Sybex/Wiley)

- Includes the two Study Guides: MCSA/MCSE Windows Server 2003 Network Environment Management and Maintenance Study Guide (70290), and MCSA/MCSE Windows Server 2003 Network Infrastructure Implementation, Management and Maintenance Study Guide (70291)
- As well as one additional backlist Study Guide: MCSA/MCSE Windows XP Professional Study Guide, Third Edition (70270), 078214412-8, Paper/CD
- Plus two bonus CDs featuring an evaluation version of Windows Server 2003 and two additional bonus exams for each title.



MCSE: Windows Server 2003 Certification Kit (70-290, 70-291, 70-293, 70-294) 2E By James Chellis, ISBN: 0-7821-4453-5 (\$159.96 retail, \$80 for TechMentor attendees, courtesy of Sybex/Wiley)

- MCSA/MCSE Windows Server 2003 Network Environment Management and Maintenance Study Guide (70290)
- MCSA/MCSE Windows Server 2003 Network Infrastructure Implementation, Management, and Maintenance Study Guide (70291)
- MCSA/MCSE Windows Server 2003 Network Infrastructure Planning and Maintenance Study Guide (70293)
- MCSA/MCSE Windows Server 2003 Active Directory Planning, Implementation, and Maintenance Study Guide (70294)
- Plus two bonus CDs featuring an evaluation version of Windows Server 2003 and 300 additional practice test questions

Exchange/SQL Server

Call this the “Windows back-end” track. Learn the ins and outs of two mission-critical applications, Exchange Server 2003 and SQL Server 2005—installation, management and troubleshooting will be some of the areas covered. If you have responsibility for these servers, or need to get up to speed on either, this is the track for you. Respected industry veterans will give you the skills you need to tackle these complex servers.

M4 Overview of Exchange Server 2007 Monday 12:30–2:00pm Bharat Suneja

Exchange Server 2007, the next major version of Exchange, brings many new features, functionality and new ways of performing management tasks. This session provides an overview of all the new features coming in Exchange Server 2007.

M10 Messaging Hygiene in Exchange 2003 & Beyond: Exchange 2003, 2003 SP2, Exchange 2007 Monday 2:15–3:45pm Bharat Suneja

Exchange Server 2003 and Exchange Server 2003 Service Pack 2 include Messaging Hygiene tools you can use to protect your organization from unsolicited commercial email (UCE). You'll learn what these features offer and how to configure the different components of the Messaging Hygiene framework. Learn how to avoid common pitfalls when using different filtering mechanisms like Connection Filter, Sender ID Filter, Sender Filter, Recipient Filter and Intelligent Message Filter—and get a preview of what Exchange Server 2007 has in store for Messaging Hygiene.

M16 Designing Exchange for Performance Monday 4:00–5:30pm Sekou Page

You've got Exchange up and running and everything seems fine—until someone says “e-mail is slow.” Troubleshooting Exchange performance begins with making sure you have a well designed infrastructure. Factors like the type and number of servers in your environment, user load and behavior and your overall IT infrastructure can all contribute to how you design and tune your systems. You'll learn how to architect an Exchange environment and design servers for maximum performance.

T4 SMTP Virtual Servers and SMTP Connectors: How to Configure SMTP in Exchange Server 2003 Tuesday 8:30–10:00am Bharat Suneja

Exchange Server 2000/2003 uses SMTP as a transport and forms the backbone of an Exchange message routing topology. Learn how SMTP works in Exchange 2003 and how to configure it properly. You'll learn how SMTP virtual servers and SMTP connectors work and how to configure SMTP in different topologies. You'll learn best practices and get the answers to many frequently asked questions about SMTP configuration.

T10 Clustering Exchange with Exchange Server 2003 & 2007 Tuesday 10:15–11:45am Bharat Suneja

High Availability clustering is a solution to the higher uptime needs demanded by SLAs in some organizations. In this session, you'll learn how clusters provide higher uptime, how to set up an Exchange cluster using Windows Server 2003 and Exchange Server 2003, planning and deployment considerations, considerations for managing clustered Exchange servers and get a sneak preview of the new clustering features coming in Exchange Server 2007.

T16 Troubleshooting DNS for Exchange Tuesday 1:45–3:15pm Sekou Page

DNS is often considered a “black box.” Once it's configured and working, it's hard to figure out why it “breaks” or what might be wrong. The focus of this session is troubleshooting DNS issues as they relate to Microsoft Exchange. There will be a group discussion on approaches to take when troubleshooting connectivity, zone integrity, performance, Active Directory DNS and name resolution. By thoroughly understanding the different classes of DNS issues and the appropriate troubleshooting processes, we'll take the mystery out of DNS issues.

T22 Disaster Recovery Planning for Exchange Tuesday 3:30–5:00pm Sekou Page

You never know when disaster will strike. In this session, you'll learn some of the ways to prepare your Exchange environment in an emergency, looking at the entire Exchange infrastructure from mailbox servers and infrastructure to individual mailboxes and messages. You'll also learn some of the best ways to avoid disaster altogether by careful environment planning and architecting.

W4 Exchange and Active Directory Availability Issues Wednesday 8:30–10:00am Dmitri Daiter

When you implement your Exchange infrastructure, it is important to make sure that all the Active Directory related services and servers are available and not only available but available “nearby” (through a fast connection) and have necessary performance capacity. DNS servers, Domain Controllers, Global Catalog servers, and Kerberos servers need to be available for Exchange server to work properly and even to start. We will consider issues that will arise if there are problems with Active Directory availability.

W10 Client Side Exchange Troubleshooting Wednesday 10:15–11:45am Dmitri Daiter

When it comes to running Exchange, keeping your users happy is your goal. You've got a handle on troubleshooting server side issues, but when it comes to troubleshooting client side issues, it's like stepping into the “Wild West.” You never know what to expect. In this session you'll learn techniques for troubleshooting client side issues. From Outlook to OWA and mobile devices, you'll learn everything you need to be successful when working on client side issues.

W16 Troubleshooting SMTP for Exchange Wednesday 2:15–3:45pm Sekou Page

Exchange has become the most critical business communication tool. If e-mail goes down, the impact on business transactions and productivity is detrimental. At the core of all email communication is Simple Mail Transfer Protocol (SMTP). This session will provide an in-depth look at SMTP—examining common configurations and problems and address some of the well known (and not so well known) methods of troubleshooting SMTP problems.

W22 Architecting a Highly Secure Messaging Environment Wednesday 4:30–5:00pm Sekou Page

The security of your mail infrastructure is critical. With the threat of worms, viruses and hackers (both external and internal), securing your mail system is no easy task. Although Windows 2003 and Exchange 2003 have made improvements over previous versions, your mail system is far from safe. In this session, you'll learn best practices for securing your Exchange infrastructure from top to bottom and examine some of the common mail system exploits and how to avoid them.

Th4 SQL Server 2005 Reporting Services Thursday 8:30–10:00am Eric Johnson

Refined in this release of SQL Server, Reporting Services is a powerful, easy to manage reporting platform. This presentation will cover the tools you need to design, manage, and view reports. In addition, we will look at SharePoint integration, report subscription, integration with SQL Server Management Studio, and much more.

Th10 Monitoring and Optimizing SQL Server 2005 Performance Thursday 10:15–11:45am Anil Desai

Monitoring and optimizing SQL Server performance is essential. This session will include walkthroughs and demonstrations of SQL Profiler, Query Analyzer, Windows System Monitoring and the Database Engine Tuning Advisor. You'll learn how to troubleshoot slow queries, find bottlenecks on busy servers, design indexing strategies, manage blocking and deadlocks, and use of partitioning and index-related enhancements to optimize performance.

Th16 SQL Server Integration Services Thursday 2:15–3:45pm Eric Johnson

SQL Server Integration Services (SSIS) is the new extraction, transform, and load (ETL) tool in SQL Server 2005. SSIS replaces and improves upon Distributed Transaction Services (DTS) from previous versions. Now a truly powerful enterprise level ETL tool is available with SQL Server. SSIS provides graphical tools for designing, building, and debugging SSIS packages. This presentation will provide an overview of SSIS and a look into the many functions for merging, cleaning, and aggregating data. In addition, we will look at options for scheduling and running SSIS packages both with and without SQL Server.

Th22 Securing SQL Server 2005 Thursday 4:00–5:30pm Anil Desai

Relational databases are where an organization's most sensitive and important assets are often stored. Therefore, it's only fitting that systems administrators and DBAs do their part to protect systems. SQL Server 2005 uses a multi-layered security model that involves security principals, securables and permissions. It's consistent and straight-forward, once you understand how all the pieces fit together. This presentation will cover details you'll need to know to secure

your SQL Server installations, including managing logins, creating database users and managing server- and object-level permissions.

F4 Replication in SQL Server 2005 Friday 8:30–10:00am Eric Johnson

In this session, we will dive into the challenge of configuring, using, and troubleshooting replication. Topics will include snapshot replication, transactional replication, merge replication, and the newly-minted peer-to-peer replication. We'll look at how replication works and how to make the best use of it in your environment. Additionally, we will look at new tools and enhancements that will allow you to more effectively manage and troubleshoot SQL Server Replication.

F10 SQL Server 2005 Data Protection and High Availability Friday 10:15–11:45am Anil Desai

SQL Server 2005 includes many new features to help ensure that your database servers stay up and running, even under the worst of circumstances. This presentation will cover SQL backup and recovery, including new enhancements that make the process more reliable and walkthroughs of real-world backup and recovery plans. There will also be live demonstrations of the high-availability features in SQL Server 2005, including database mirroring, log-shipping clustering, database snapshots, replication and how to select the most appropriate high availability technology for a given scenario.



BONUS!

Each attendee will receive the complete set of all course notes*. This CD will be handed out during the conference.

(*excludes crash courses)

Scripting and Automation

“Choose your weapon” with this year’s Scripting and Automation track, where industry guru Don Jones will introduce you to all the right tools for the right job: VBScript, command-line (batch) scripting, and even Microsoft Shell (MSH, or “Monad”), Microsoft’s newest scripting shell for Windows and server automation. You’ll even find a session or two that don’t involve any scripting whatsoever, giving you automation tools that you can start using right away, with zero experience and zero learning curve. Take the entire track and become a true Automated Administrator, able to leverage a variety of technologies to increase productivity, efficiency, and even your job satisfaction. All sample scripts and other tools will be provided (via download) for your convenience (bring an extra-life battery if you plan to follow along on your laptop). Don’s quick-moving and occasionally whimsical style is famous for making difficult scripting concepts easy to grasp even for someone with absolutely no prior experience; step right up and learn about the automation technologies that will truly set you apart from the masses as a professional, enterprise-class Windows administrator!

M3 VBScript Fundamentals, Part 1 Monday 12:30–2:00pm Don Jones

Learn the core VBScript language, including how Windows Script Host (WSH) works, how VBScript handles and manipulates data, how to add looping and logic to your scripts, and even how to modularize your script code. This is the place to start if you have absolutely no prior VBScript experience, as you’ll be treated to a step-by-step introduction to the language, shown how to use the documentation effectively, and even shown a few tricks for “scripting without scripting.” This session is an absolute must for anyone planning to take other scripting courses in this track.

M9 VBScript Fundamentals, Part 2 Monday 2:15–3:45pm Don Jones

Continue your VBScript education by learning to work with the COM objects that provide access to Windows’ administrative functionality. You’ll learn how to manipulate files and folders, how to map drives and printers, and even how to manipulate the registry and other Windows shell components. Most importantly, you’ll finish learning the basics of VBScript, preparing you to begin working with more advanced technologies like Windows Management Instrumentation and Active Directory Services Interface. Pre-requisite: Completion of VBScript Fundamentals I.

M15 VBScript Debugging and Error Handling Monday 4:00–5:30pm Don Jones

Stop banging your head against the wall and stomp those bugs—or, better yet, prevent them from happening at all! You’ll learn the experts’ secrets for preventing VBScript bugs, as well as techniques for gaining better insight into your scripts’ execution to help eliminate bugs quickly. You’ll also learn VBScript error handling techniques, a valuable way of giving your scripts the intelligence to anticipate problems and deal with them, rather than crashing unexpectedly at the first sign of trouble. Don will even provide you with several debugging tools and show you how to use commercial script debuggers, giving you a complete arsenal in the war on bugs. Prior VBScript experience, or completion of earlier VBScript sessions in this track, is highly recommended.

T3 VBScript and Windows Management Instrumentation (WMI) Tuesday 8:30–10:00am Don Jones

Use VBScript to tap into Windows’ most powerful administrative technology: Windows Management Instrumentation (WMI). Learn to inventory configuration settings, perform basic configuration changes—all remotely, of course—and utilize WMI testing and development tools like Wbemtest. You’ll also learn how to read the sometimes-complex WMI documentation, and to use script templates to create effective administrative scripts faster and more easily. Bring your WinXP laptop and follow along with the in-class samples and demonstrations. Pre-requisite: Prior VBScript experience, or completion of both VBScript Fundamentals sessions.

T9 VBScript and Active Directory Services Interface (ADSI) Tuesday 10:15–11:45am Don Jones

Reach out and manage Active Directory, local security accounts, and even local services by using ADSI, the Active Directory Services Interface. You’ll learn how to write and test ADSI queries, how to use script templates to create scripts more quickly, and how to dig up difficult-to-find ADSI and related documentation. You’ll learn to create users, manage organizational units, tap into groups, and even perform tricks with local services like file and print sharing. Pre-requisite: Prior VBScript experience, or completion of both VBScript Fundamentals sessions.

T15 Writing Inventory Scripts Tuesday 1:45–3:15pm Don Jones

A “nearly scriptless scripting” session: Learn (or review) the very, very basics of Windows Management Instrumentation (WMI) and see how to piece together template scripts (provided) to inventory a huge variety of information from desktop and server machines on your network. Think of this as “script assembly” rather than actual coding; you’ll use a series of easily-modified templates, as well as the Microsoft WMI documentation and WMI Wizards and “Scriptomatics,” to produce useful inventory tools that work with Active Directory, databases, files, and more. Absolutely no prior scripting experience required.

T21 VBScript and Databases Tuesday 3:30 – 5:00pm Don Jones

Leverage the power of Access, Excel, and even SQL Server from within VBScript. You’ll learn to use ActiveX Data Objects (ADO) to uniformly access almost any database imaginable, using them to store the results from your scripts, drive your script’s activities, and much more. Includes an introduction to basic SQL language queries that make ADO work, and helps you bypass the confusing parts of ADO that don’t pertain to administrative scripting. Pre-requisite: Prior VBScript experience, or completion of both VBScript Fundamentals sessions. Also assumes basic WMI and ADSI scripting skills.

W3 Windows PowerShell (“Monad”) Scripting, Part 1 Wednesday 8:30–10:00am Don Jones

Welcome to Microsoft Windows PowerShell (WPS, formerly code-named “Monad”), Microsoft’s answer to Unix shell scripting and one of the most powerful new ways to automate Windows administration. In this “fundamentals” session, you’ll learn what Windows PowerShell is and how it works. You’ll also learn just enough of Microsoft’s .NET Framework (which WPS is built on) to understand WPS and use it effectively. You’ll learn the very basics of the WPS scripting language, too, and see how WPS cmdlets can be used from within a script. This is the perfect introduction to Windows PowerShell. You will need to obtain the latest Windows PowerShell software independently if you wish to follow along; it will not be provided in class.

W9 Windows PowerShell (WPS) Scripting, Part 2

Wednesday 10:15–11:45am Don Jones

Learn how to write fully-functional Windows PowerShell (WPS) scripts, work with advanced cmdlets, and even learn about the broad variety of cmdlets initially available with WPS. You'll learn more about the WPS scripting language, including its object-oriented nature and how to write more complex, powerful scripts. You'll dig slightly deeper into Microsoft's .NET Framework to see what makes WPS tick, and you'll be able to write complete, fully-functional WPS scripts to help automate administrative tasks in your environment. Pre-requisite: Completion of Windows PowerShell Scripting I session. You will need to obtain the latest WPS software independently if you wish to follow along; it will not be provided in class.

W15 Command-Line Scripting, Part 1

Wednesday 2:15–3:45pm Jeff Hicks

Think you need to be a VBScript guru to automate administrative tasks? Think again. With the help of an old friend, the C:\ prompt, you can take advantage of the command line's power and versatility. This session will introduce you to command line scripting so you can leverage the vast number of free command line utilities to manage your servers and desktops. You'll learn to customize the command line to suit your needs, master basic command line syntax and techniques, and begin building batch files. You'll also learn the top three commands every Windows administrator should know. Bring your Windows XP laptop and follow along with the in-class samples and demonstrations. Absolutely no prior scripting experience required.

W21 Command-Line Scripting, Part 2

Wednesday 4:00–5:30pm Jeff Hicks

This session continues our exploration into the power of the command line. Learn how to integrate VBScript and command line scripting, manage Active Directory without a management console, and leverage the power of WMI without having to know WMI! The session will wrap up with our rapid fire Top 10 Command Line Tricks, which are sure to fire you up to start using the command line. Bring your Windows XP laptop and follow along with the in-class samples and demonstrations. Pre-requisite: Command-Line Scripting I or previous command line experience.

Th3 Windows PowerShell (WPS, formerly code-named "Monad") Scripting Overview

Thursday 8:30–10:00am Don Jones

Caught up in other TechMentor tracks? Here's a chance to learn about Windows PowerShell (WPS, formerly code-named "Monad") the new scripting and automation shell from Microsoft. You'll learn what WPS is, how it works, and the very basics of the WPS scripting language, to. You'll see how WPS cmdlets can be used from within a WPS script, and see several pre-written WPS scripts in action. This is a great overview for WPS if you're working hard to keep up with the latest technologies, and recognize that scripting and automation will be a major resume item over the next few years. This session is an overview for those unable to attend the Windows PowerShell (WPS, formerly code-named "Monad") Scripting I and II sessions.

Th9 VBScript with a GUI: HTML Applications (HTAs)

Thursday 10:15 – 11:45am Don Jones

Extend your VBScript skills and learn to make "real" Windows applications using nothing more than VBScript and simple HTML tags. You'll learn to make completely standalone applications that utilize WMI, ADSI, and other scripting-related technologies in an HTML Application, or HTA. You'll also learn an easy-to-use "script-to-HTA"

conversion process that minimizes both debugging and application complexity. The perfect way to make your scripts more accessible to junior technicians and even end-users. Prior VBScript experience, or attendance in earlier VBScript sessions, is highly recommended, as is a strong familiarity with basic HTML tags and formatting. If you plan to follow along on your laptop, have a WYSIWYG HTML editor installed.

Th15 Script Without Scripting

Thursday 2:15–3:45pm Jeff Hicks

A "nearly scriptless scripting" session: Learn to use a variety of tools that can produce ready (or nearly-ready) to run administrative scripts with just a few mouse clicks. You'll learn about Wizards, "Scriptomatics," and a variety of other tools, and learn the bare minimum necessary to convert the VBScript code they produce into useful administrative tools. You'll also learn about (and receive a copy of) Don Jones' "VBScript Toolkit," an extensible graphical wizard capable of producing a variety of ready-to-run administrative scripts. This is the perfect, last-minute way to pick up some scripting skills, on the quick. It's also a great way to review key scripting concepts and see additional scripting uses. Absolutely no prior experience required.

Th21 Automating Windows Desktop Administration

Thursday 4:00–5:30pm Jeff Hicks

A "no scripting required" session: Learn to automate a number of top desktop administration tasks—tasks for which, in many cases, Windows lacks built-in tools—without writing a single line of script code. You'll be introduced to a variety of free tools—including ready-to-run scripts, command-line tools, GUI tools, and more—that handle the otherwise difficult "en masse" administration of desktop machines, including service management, local account management, desktop inventories, and much more. All tools are provided to you in-class and you're welcome to follow along on your laptop as you learn to use them. For script-based tools, a brief overview of the script will be provided so that you have a starting point for later modification and customization. Absolutely no prior scripting experience required.

F3 Top Tricks of the Scripting Pros

Friday 8:30–10:00am Don Jones

Learn the tricks the experts use to make scripting faster, easier, and more efficient. You'll learn how to leverage the features available in most commercial script editors, as well as freely-available tools, to write scripts faster, help prevent script bugs, work with databases, and much more. Attendees at this session (must attend entire session) will also receive a large package of script snippets that Don himself uses to script more quickly. You'll essentially be taking home Don's own bag of tricks to use in your scripting projects. Very demo-based, so feel free to bring your laptop and follow along. Moderate prior scripting experience is recommended in order to realize the full benefit of this session.

F9 Advanced VBScript Tips, Techniques, and Practices

Friday 10:15–11:45am Don Jones

Wrap up your new scripting skills with advanced techniques and capabilities that will serve you for years to come: Master advanced modularization techniques, including advanced functions and sub-routines as well as Windows Script Components. Learn about remote scripting, script security, security contexts, and other security-related concepts. Learn how to make standalone command-line tools using your VBScript tools, and how to automate Windows GUI applications using VBScript. Prior VBScript experience, or completion of earlier VBScript sessions in this track, is highly recommended.

Security

Security is kind of like the weather: everyone talks about it, but no one does anything about it. This is your chance to do something about it. This week-long track will take you from soup to nuts, giving you the basics of network and server security, through various Windows security topics, to several days of hands-on work in forensics and hacking training. Some of the top experts in Windows security will be teaching, including popular Redmond magazine "Security Advisor" columnist Joern Wettern, Microsoft security guru Steve Riley and noted speaker, author and trainer Todd Lammle.

M2 Anonymous Computer Usage Monday 12:30 – 2:00 pm Todd Lammle

This unique session will show you how to connect to PCs and sleuth problems using tools hosted on the Ultimate USB Security Stick. The USB memory stick is loaded with powerful security, hacking, and forensic programs—everything you need to help troubleshoot and secure client PCs, even if you lack Administrative rights. During the session, you'll use the software on the USB stick to work through practical exercises and try out new computer setup and recovery techniques. You'll also learn how to secure your PC against others who might try to use these tools to access your hardware. You'll learn how to use USB-hosted apps to run everything from Web browsers and email clients to productivity applications—all without leaving a trace behind on the computer. This is a great session that will help manage trouble no matter where you find it. NOTE: Ultimate USB Security Stick is required for this class.

M8 Network Analysis Monday 2:15–3:45pm Todd Lammle

You already know that network analysis involves sniffing packets and tracing networks. But did you know that you can do all this with tools hosted on a USB stick? In this session, you'll get to experience—hands-on—live network analysis. And because you'll be working with portable software, you'll be able to employ these techniques on any almost any system—all you need are the tools on the Ultimate USB Security Stick. You'll learn how to see everything that's typically leaked from most networks—you'll locate passwords, identify suspicious traffic patterns, and view and capture packets on the fly. To ensure you're equipped to handle today's changing networking environments, we'll also show you how to perform these tasks both wired and wirelessly. NOTE: Ultimate USB Security Stick is required for this class.

M14 Social Engineering Monday 4:00–5:30 pm Keith Parsons

Social engineering is the practice of obtaining confidential information by manipulating legitimate users. A talented hacker will often use the telephone or Internet to trick people into revealing sensitive information—such as a password or credit card number—or get them to do something that's normally against policy. And just like that, a savvy hacker can punch right through many of your most sophisticated, technical defenses. This session will help you recognize and defend against social engineering-based attacks.

T2 Penetration Testing Tuesday 8:30–10:00am Keith Parsons

Do you know if your systems and networks are adequately secure? There's really only one way to find out—perform penetration testing to find out what a hacker might be able to see, find, or even steal from your systems. This session will teach you solid ethical hacking techniques and provide the skills you need to determine if your network and its hosts are vulnerable to hacking exploits. Best of all, all the tools for the session can be found on the Ultimate Security USB Stick you'll use in this session. This is a mission-critical seminar if you're serious about protecting your intranetwork

from hackers and crackers! NOTE: Ultimate USB Security Stick is required for this class.

T8 Computer Forensics Tuesday 10:15–11:45 am Keith Parsons

Computer forensics analysis is a crucial discipline for any enterprise IT department. Whether assessing system vulnerabilities or investigating a suspected attack, you need to be able to recognize and assess malicious, unapproved, and unauthorized activity. In this session, we'll show you the tools, the techniques, and critical, strategic steps needed to take to track down suspect activities. Review file activity and USB drive usage, find local passwords, and check for key logger software—all via tools hosted on the Ultimate USB Security Stick. You'll master streamlined and elegant approaches and leave the session equipped to track down vulnerabilities and attacks. NOTE: Ultimate USB Security Stick is required for this class.

T14 Wireless Security, Part 1 Tuesday 1:45–3:15pm Todd Lammle

The first of a two-part program, Wireless Security shows you how to precisely secure your wireless LAN (WLAN) and Metropolitan Mobile Network (MMN), for both corporate and home networks. This valuable and informative course will teach you the beginnings of WLAN security, and review the benefits and drawbacks of security methods in use today. We'll also look ahead to next-generation security methods so you can make well-informed decisions about WLAN security policies!

T20 Wireless Security, Part 2 Tuesday 3:30–5:00pm Keith Parsons

Following up on the first part of this two-part session, we'll explore the dark side, using wireless tools to help us think and act like a WLAN hacker. You'll see how vulnerable your wireless LAN might be—and what you need to do to protect it. No matter what you've heard, you really can secure that wireless network. We'll perform hands-on exercises in-class like "war driving", MAC spoofing, turning your laptop into an access point, and more. Just bring your own laptop, with either an internal or external wireless NIC, and take the plunge into hands-on wireless security! NOTE: Ultimate USB Security Stick is required for this class.

W2 What You Can Do Now to Secure Your E-Mail Wednesday 8:30–10:00am Joern Wettern

Securing your e-mail against viruses, spam, hacker attacks and other threats can seem like a gargantuan task. However, there are some simple steps you can take today to provide effective protection for your e-mail infrastructure. Many of these steps require little of your time and may be accomplished with the software you already have. In this session you will learn how to:

- Design your e-mail infrastructure to provide secure client access without turning your firewall into Swiss cheese
- Configure DNS so spammers leave you alone
- Implement effective strategies for configuring Exchange Server and anti-spam software
- Use Microsoft technologies to block viruses that spread via e-mail
- Reduce administrative workloads and the impact of your security measures on users

Ultimate USB Security Stick (required for M2, M8, T2, T8, T20)

The 1 GB stick contains tools to help you with:

- Anonymous Computer Usage
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- Computer Forensics
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Plus it has Open Office, Firefox, Thunderbird, GAIM, and more.
\$599 retail/\$150 for TechMentor.

W8 **Securing Content with Windows Rights Management Services****Wednesday 10:15–11:45am Paul Adare**

Learn how to secure content within the enterprise using Windows Rights Management Services (RMS). This session includes high-level overviews of deployment considerations for an enterprise-wide implementation of RMS, as well as detailed discussion on architectural guidance, design, scalability, availability, and reliability for organizations of all sizes. An emphasis is put on understanding the end-to-end planning and process so attendees can accurately scope the amount of time and resources needed to implement RMS as rapidly and cost-effectively as possible.

W14 **Securing Web Applications with ISA Server 2006****Wednesday 2:15–3:45pm Beth Quinlan**

If you are an IT professional responsible for providing remote users with secure web access to internal resources, then this session is for you! ISA Server 2006 will help you protect web-based applications, services and data across all network layers with stateful packet inspection, application-layer filtering and comprehensive publishing tools. A key differentiator of the product is its high level of integration with mission-critical business applications and services, such as IIS, SharePoint Portal Server, Active Directory, and Exchange Server. The session will show you how to use ISA Server 2006 to enable a smoother user experience for published web applications, document libraries, and content while improving security and easing your administrative burden.

W20 **Windows Vista System Integrity Technologies****Wednesday 4:00–5:30pm Steve Riley**

For most of the history of computing, operating systems have lived in their own little bubbles of trust. Every part of an operating system pretty much assumed that every other part was exactly what it claimed to be and performed only what it claimed it could do.

Recent attacks, though, have shown that such implicit trust is no longer suitable for computers. A far more trustworthy operating system is one where the principle of least privilege is enforced throughout and where all operations are verified before taking action. Windows Vista will ship with several new system integrity technologies, including code integrity, secure startup, service hardening, mandatory integrity control, and Internet Explorer protected mode. Steve Riley will explore how these technologies work to thwart malware attempts to take over your computer.

Th2 **Making the Best Use of Group Policy to Secure Your Network****Thursday 8:30–10:00am Beth Quinlan**

Are you responsible for implementing security policy on Windows-based computers in your company's network? Do you need to find an easy way to implement these policies? If so, take a closer look at the Windows Group Policy feature. Commonly used to configure client desktops, Group Policy is also a powerful way to enforce security policy. This session will show you how to:

- Identify different security settings.
- Use the powerful Group Policy Management Console to ease the administrative burden associated with security policy implementation.
- Easily document and report on security settings that have been deployed to computers and users in your network.
- Become aware of the important new policy settings in Windows Vista, and outline considerations for Group Policy in future versions of Windows client and server operating systems.

Th8 **Windows Vista Networking, Firewall, and IPsec Improvements****Thursday 10:15–11:45am Steve Riley**

What's new with Windows Vista? Its networking components are

all-new from the ground up. The TCP/IP stack has been rebuilt for performance and security. There is support for the strong end-system model, a redesigned filtering engine, improved automatic performance fine-tuning, increased resiliency against TCP/IP-based denial-of-service attacks, and full IPv6 support. The firewall includes all Windows XP SP2 functionality plus outbound filtering, enforcement of service hardening communications, an automatic no-exceptions mode for unpatched systems, and more. IPsec's enhancements include simplified policies to speed connection time, a redesigned user interface, user-based policies, application-aware policies, more troubleshooting and diagnostic tools, and much more.

Th14 **Effective Computer Lockdown****Thursday 2:15–3:45 pm Joern Wettern**

Administrators often struggle to configure computers so they can only perform limited tasks, while remaining protected against configuration changes by users. The challenge grows for shared systems like Internet kiosks, where user data must be purged between log ins. In this session, you will learn how to use Microsoft's Shared Computer Toolkit to perform important lockdown tasks for shared systems, whether it's a tightly-protected public kiosk or a shared client PC in the enterprise.

Th20 **Microsoft Certificate Lifecycle Manager Deep Dive****Thursday 4:00–5:30pm Paul Adare**

Get a detailed description and demonstration of the key design elements of the Microsoft Certificate Lifecycle Manager. You'll learn how these elements can be leveraged to simplify deployment of digital certificates and smart cards in your organization. You'll also gain a better understanding of how to customize CLM, taking an in-depth look at how implementing policies and work-flows can positively impact the end-to-end lifecycle of digital certificates and smart cards. You'll also see how end-user self service functionality can be used to reduce cost and overhead for IT departments. This session benefits IT administrators/implementers, IT decision makers, and IT architects alike.

F2 **Security Myths Debunked****Friday 8:30–10:00am Joern Wettern**

There's a lot of bad advice out there—especially in the area of network and systems security. In some cases, the bad information has been repeated so often that it is now accepted as common knowledge. In this session, Joern will debunk some of the most egregious security myths. You will learn that some configurations may make you feel good, but really don't do a thing to enhance security. Most important, your improved understanding will help create a more secure network. Some of the topics covered are:

- Why hardware firewalls can be less secure than software firewalls
- How a DMZ can lower the overall security of your network
- Why Network Address Translation is not a security technology
- When complex passwords are a bad idea
- Why it's impossible to secure your network—and why it's still worthwhile to do it

F8 **Attacker Trends and Techniques: An Update****Friday 10:15–11:45am Steve Riley**

The bad guys keep getting better. They're constantly changing their tactics and inventing new techniques to cause harm. Why do they do this? What motivates someone to—commit computer-related crimes? How have the attacks changed and improved, and what kinds of attacks can we expect to see in the future? Steve will help you understand the latest in attacker trends and techniques, so that you can plan appropriately and implement effective processes and technologies to mitigate their threats.

System and Network Troubleshooting

You can pick up any old book and learn how to install a new system. But knowing how to fix that system when it breaks takes real experience down in the trenches. Properly troubleshooting a failing server means getting it back up fast—and in some cases, fixing it before it ever went down. Sign up for the System and Network Troubleshooting Track and learn the very best tips, tricks, and real world solutions to the thorniest problems. Featuring instructors with real-world experience in complicated environments and sessions that run the gamut of your Windows network, you will leave with solutions you can immediately implement in your company's network. Led by popular instructor and *Redmond* magazine contributor Greg Shields, the System and Network Troubleshooting Track is your fast-track to results!

M1 Patch Management 101: Tools & Techniques to Keep your Network Safe Monday 12:30–2:00pm Greg Shields

Applying patches is like changing the oil in your car. You don't really have to do it every month or every three months. But if you don't, you'll eventually be sorry. What's makes it worse is the combination of hundreds of patches times hundreds or thousands of machines makes doing it every month a logistical nightmare. In this session on patch management strategies, we'll discuss some tried and tested best practices used by successful companies for managing this expensive and time-consuming monthly activity. Don't miss this session! Your network will thank you.

M7 Understanding and Troubleshooting User Profiles Monday 2:15–3:45pm Darren Mar-Elia

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 the minimum of profile problems within your environment.

M13 The Accidental DBA's Guide to Microsoft's Mandatory Databases – MSDE & SQL Server Express Monday 4:00–5:30pm Mark Minasi

Microsoft has released tons of free network management utilities over the years. But recently they've all had one thing in common: they need a real-live SQL Server to run. And unless you want to shell out a few kilobucks for SQL Server 2000 or 2005, then you're going to be using the Microsoft SQL Server Desktop Engine (MSDE) or its successor SQL Server 2005 Express Edition (SSX). They're just like SQL Server... except that they don't have any GUI administration tools. In this comprehensive talk, Mark solves the plight of the "accidental DBA" with a top-to-bottom look at what MSDE/SSX are, how to install them, how to secure them and run them, including 25 "cookbooks" to solve common problems and perform basic maintenance. SQL administration's not just for DBAs any more, so who better to make it easy than master elucidator Mark Minasi?

T1 Getting Down & Dirty with Group Policy Functionality Tuesday 8:30am–10:00am Darren Mar-Elia

There are a lot of moving parts in Group Policy. Ensuring a functional Group Policy deployment means learning how Group Policy is structured, how its 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.

T7 What's New with your Group Policy in Windows Vista Tuesday 10:15–11:45am Darren Mar-Elia

There are a number of significant advances coming for Group Policy in Windows Vista. From the subtle changes like the new Group Policy client service to the big ones, like the total overhaul of ADM files, this session will expose you to the good stuff in Vista GP and will describe how you can take advantage of it in a mixed Vista and XP world. We'll also walk through some of the new policy areas supported in Vista, like power management, pushed printers and USB device lockdown.

T13 Using, Troubleshooting, and Customizing the Security Configuration Wizard Tuesday 1:45–3:15pm Greg Shields

As of late 2005, SANS reports an average of 15 minutes between attacks on Internet-facing servers. This means that within 15 minutes another bad guy will attempt to hack your network. Under this constant stress, you've got to be smart about securing your servers. Get smart with the SCW, a comprehensive but complicated tool for taking the guesswork out of this task. In this broad and very deep session we'll discuss how to properly use the SCW and we'll delve deep into its customizable XML back-end. You'll take away the code you need to make it protect all your network assets.

T19 Be Gone Ye' SpyWare! Ridding IE of SpyWare for Good Tuesday 3:30–5:00pm Greg Shields

Passwords going where? Give money to whom? I just won what? Who writes this stuff anyway? You don't have to know who writes it, but you do have to get it out of your network. SpyWare and its annoying brothers, 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 excising it as well as examining the mechanics of a SpyWare infection. You'll leave this session having learned the tricks to make yourself your own SpyWare scanner.

W1 The Good, the Bad and the Really Ugly about Microsoft's FRS Wednesday 8:30–10:00am Rhonda Layfield

Is Windows File Replication Service giving you heartburn? Do you love it when it works and hate it when it doesn't? In this deeply technical session, you'll troubleshoot failed Group Policy Objects by understanding how they're replicated with FRS and learn all the steps FRS takes in transferring files across the network. Learn about tools that can help you monitor and troubleshoot your FRS environment.

W7 The Windows Troubleshooter's Guide to DNS

Wednesday 10:15–11:45am Greg Shields

DNS has been around since the dawn of the Internet, but many Windows administrators still don't fully understand it. As the backbone of Active Directory, it's also a necessary evil for connecting your intranet. In this session, we'll sort the truths from the untruths, learn how to keep it healthy, and how to troubleshoot it when it's not. You'll leave with a better understanding and a greater respect for your network's biggest three letter four-letter word.

W13 Top Tricks for Monitoring and Analyzing System Performance

Wednesday 2:15–3:45pm Greg Shields

Solving the most difficult system problems often means comparing its performance during the problem with how it behaved before the problem ever occurred. Keeping an eye on your systems' performance is the most overlooked responsibility of a systems administrator. No more! In this session, you'll learn about the best tools – both free and non-free – for monitoring, managing, and alerting on system performance issues. We'll discuss how to use performance indicators as a measurement for solving problems, and you'll come away knowing how to watch your performance logs for signs of trouble.

W19 Finding and Fixing the Nastiest Active Directory Problems

Wednesday 4:00–5:30pm Mark Minasi

AD's pretty reliable—quite reliable, in fact—sometimes things go wrong anyway. Domain controllers can get disconnected from other DCs, leading to replication problems and group policy failures. DNS can get stupid, leading to... well, leading to a wide variety of troubles. Administrators can be distracted while changing something in AD, laying waste to entire sections of AD—and creating a need for fast repair. And even IF none of those things happen, Active Directory is just a database, and even the best database needs a bit of database administration. Join battle-scarred AD veteran Mark Minasi in an examination of what can go wrong with AD, what to do about it, and maybe even have a few laughs in the process.

Th1 Windows Authentications Revealed

Thursday 8:30–10:00am Mark Minasi

Every day we log into our Windows systems, but what really happens when we do? How do workstations and domain controllers exchange logon information without revealing passwords? Let veteran Windows expert Mark Minasi show you how logins work, what happens when they don't work (and how to fix them) and how to better secure them. He'll help you understand where Microsoft's login protocols are secure, and where they aren't. After this session, you'll know exactly what terms like "ticket-granting service" and "service principal name" mean.

Th7 When WSUS Goes Bad: Troubleshooting Windows Update

Thursday 10:15–11:45am Greg Shields

WSUS and Windows Update have been around for a while. But did you know they're components of a holistic patching engine that is completely changing how we do updates? In this high-tech session learn more about the Windows Update Agent and WSUS – including a peek at the upcoming WSUS 3.0. Digging deep into this amazing new service, we'll detail the do's and don'ts for getting it working properly on your network. Plus, you'll take home six useful scripts that'll automate some of the most difficult and annoying parts of your WSUS installation.

Th13 Tuning, Troubleshooting, and Taming Terminal Services

Thursday 2:15–3:45pm Greg Shields

Terminal Services has been an integral part of the Windows operating system since 1998. That means we've had a lot of time to play with it and a lot of time to see it break. In this session, you'll fix some of TS's biggest problems and discuss how to tune it for best performance. We'll discuss proven practices for setting up Terminal Services in both LAN and WAN environments. Best of all, you'll learn exactly how to hack your terminal servers to eek out the very best performance.

Th19 Ask the Troubleshooting Experts

Thursday 4:00–5:30pm

Greg Shields, Mark Minasi, Rhonda Layfield

Missed the Consulting Hour at the Exhibit Hall? Got a hugely complicated question that's plaguing your business and need an answer? Want to see what problems others are having in the IT field today? Come join the Troubleshooting Experts Mark Minasi, Rhonda Layfield, Don Jones and Greg Shields for a full 90 minute roundtable all about your problems. Together we can fix that nagging problem that brought you to TechMentor in the first place!

F1 The Best Free Tools for Windows Server Troubleshooting

Friday 8:30–10:00am

Greg Shields

Why buy anything if you can get it for free? With the hundreds of free tools out on the Internet, you can find one that'll do just about anything—finding the right one is the hard part. For this session, Master Toolsmith Greg Shields shares the ones in his quiver for easing the burden of systems administration—without having to beg for money from the boss. Bring your USB hard drive to this session and you'll leave with a thumb full of useful freebies.

F7 Documentation & Change Control: Hating it to Loving it in 90 Minutes

Friday 10:15–11:45am

Greg Shields

Do you hate documentation? Or maybe just want to learn how to do it better? Do you yearn for more control in your work? Non-stop firefighting gets the adrenaline going, 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 the network running, you've got more than a technical problem: You've got a process problem. In this session, we'll douse those flames by showing you how to write great documents and implement processes to stabilize your environment. You'll leave with proven practices and fill-in-the-blank documents that will stabilize your network and give your life back.



Hotel & Travel Information

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TechMentor has negotiated a special room rate of \$169 single/double for attendees. Attendees must book their accommodations by September 14, 2006 to receive the discount. After that date regular room rates will apply. Rooms at the special rate are available from October 7 through October 13, based on availability.

To make reservations, call 1.888.746.6955 and mention the group code **S10TCH6** and the TechMentor conference to receive your discount.

American Airlines is offering discounts from any published domestic fare for travel to Las Vegas between October 6 and October 16. Mileage members can receive full credit for all American miles flown to attend this conference. For discounts please call American Airlines at 1.800.433.1790, reference number #08H6AB. You must make your reservation by phone to receive the discount.

HOW TO REGISTER

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Onsite: You may register for the conference onsite. However space is limited and admission cannot be guaranteed.

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Avis Rent-a-Car is offering TechMentor attendees a discount from October 2 through October 20. To receive the discounted daily and weekly rates, call Avis at 1.800.331.1600 or go to <http://tinyurl.com/b65u5> and use Avis Worldwide Discount number D005872.

Conference Registration

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Group Discounts

When you register 4-9 colleagues from the same company, each attendee pays only \$1,299 per person. Register 10 or more for only \$1,199 per person. To register a group and for more information, call Sara Ross at 972.506.9027 or email at sross@1105media.com.

Alumni Discount

We value our alumni! Attendees of any TechMentor Event from 2001-2006 qualify to receive a \$100 discount. Combine this discount with Early Bird registration for a savings of \$300. To qualify for the discount please include which conference or summit you attended. This discount does not apply to group pricing.

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 e-mail with attendee contact information about a week before the event. It's a great way to start networking before you arrive in Las Vegas.

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 1, 2006 and will be subject to a \$250 cancellation fee. Cancellations made after September 1, 2006 as well as "no shows" are liable for the full registration fee.

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

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TechMentor Conference – \$1,499 (Before September 1), \$1,699 (After September 1)

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Pre-Conf Crash Course – \$225 (Before September 1), \$275 (After September 1)

CC1 - VMWare Workstation and ESX Crash Course CC2 - Networking Crash Course CC3 - Vista Crash Course
 CC4 - Linux/Windows Integration Crash Course CC5 - Troubleshooting Group Policy Crash Course

Additional Options

Ultimate USB Security Stick - \$150 (Required for Security Track sessions: M2, M8, T2, T8, T20)

MCSA: Windows Server 2003 Core Requirements (70-270, 70-290, 70-291), 2nd Edition, Sybex/Wiley - \$60
(50% off list; strongly recommended for MCSA Track)

MCSE: Windows Server 2003 Certification Kit (70-290, 70-291, 70-293, 70-294) 2nd Edition, Sybex/Wiley - \$80
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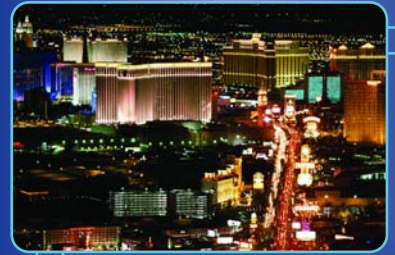
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After receiving your email confirmation code, you may go online and select the breakout sessions you are interested in attending. You may attend ANY session in any track offered at TechMentor as long as space permits.

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