

TECHMENTOR

MARCH 14-18, 2011

ORLANDO, FLORIDA

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11 Focused Tracks

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A Message from Greg Shields

TECHMENTOR CONFERENCE CHAIR



Another year begins, and with it comes more knowledge you need for career success. As you already know, attending a live conference remains the best way to stay on top of our ever-changing IT industry. At TechMentor, you'll learn how to build a more productive and

better automated IT environment. But only here will you do it using the technologies you already have. That's the TechMentor mission: Giving you immediately usable training you can implement the moment you return home.

My name is Greg Shields and I'm once again the Conference Chair for TechMentor Orlando. If it isn't obvious, I want to see you here! We've put together our best program yet to prep you for immediate impact on your current IT challenges.

The TechMentor experience is unique in the IT conference world. We're not big, and you're not anonymous. That means attending TechMentor is more like a small-group mentoring experience, not an auditorium-sized showcase of bleeding-edge products you won't use for years. Only at TechMentor do you get one-on-one access to today's top IT trainers. That means you'll learn a lot and have fun along the way.

The only hard part is in getting approval to go. To help you out, check out our ten reasons why attending TechMentor is the smartest use of your company's training dollars (see next page).

TechMentor is indeed a conference like no other. Tight-knit, but full of high-energy, great content, and the world's most experienced independent presenters. I promise it's an experience you won't soon forget. That's why so many of our attendees keep coming back year after year. See you in Orlando!

Greg Shields
TechMentor Conference Chair



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10 Reasons Why You Must Attend TechMentor 2011

1 Put more swoosh in your cape!

With 60+ sessions and 11 focused tracks—you can swoop in and gather up five days of intensive IT hero training! Mold your own customized playbook of TechMentor instruction. It's not just fundamentals that will keep you 'IT strong' but today's hot topics including PowerShell, Virtualization, Microsoft Exchange, Security, Active Directory, Scripting and Automation, SharePoint, and much more!

2 PowerShell Boot Camp – Master included

IT Heroes far and wide are gathering to hear Microsoft MVP Don Jones. His 3-day, hands-on PowerShell training class is an incredible value. The Master of PowerShell himself will show you how Microsoft's newest technology can be tailored to meet your needs.

3 Throw the pitches out the window

Sales pitches have no place in the world of TechMentor. We only allow unbiased, technical training from 16 of today's most renowned and experienced IT Masters.

4 All IT Heroes need certification...And Prep!

Pick from seven intense, fast-paced sessions focused on prepping you for the MCITP: Server Administrator's three exams. Dive deep into the topics found in the 70-640, 70-642, and 70-646 exams. IT Hero competition is at its peak—stay light years ahead with these certifications.

5 IT Heroes meet your IT Masters

When you need to uncover solutions to your problems, TechMentor is where you recharge! Keeping you 'IT Strong' we provide access to the brainpower of the collective IT Masters. You will walk (or fly) away with solutions to your everyday IT problems which you can implement immediately within your organization.

6 Calling All IT Heroes

Join your fellow IT Heroes to power up with out of this world discussions, exercises, tutorials, and more. Gather at sponsored networking events with IT Heroes who can lend a helping hand when the going gets tough.

7 Your Virtual Key to the Universe

Sharpen your skills with IT Master, Greg Shields, as he teaches the most powerful tips and tricks about virtualization and how to apply them in your IT universe. You'll learn the key to successful design, planning, and implementation of your own super-human, virtual infrastructure.

8 Blast Off From the Competition

As the IT Hero for your company, it's your duty to stay up-to-date and informed on all the latest trends. TechMentor's broad content stream will help you become 'IT Strong' and empower you to conquer any enterprise IT adversity.

9 Supercharge Your IT Investment

Want to rev up the investment you already have? Combat inefficiency by attending TechMentor 2011 to power up with new ways to save your company time and money.

10 IT Masters from Across the Globe

Don't miss your calling to learn extraordinary genius from the IT Masters including Microsoft IT Architect Laura Hunter, MR&D's Mark Minasi, MCITP expert Bruce Rougeau, TechMentor Conference Chair Greg Shields, and more.

Bonus Conference Features!

- Exclusive PowerShell Boot Camp
- Evening Slam Sessions
- One-on-One Consulting
- Extended Tutorials
- New Speakers: Laura Hunter, Ed Liberman & Young Chou



TechMentor Orlando 2011 – Events and Activities

Conference Highlights

TechMentor is about more than fantastic speakers delivering life-changing insights. At our reception and lunches, you can meet and greet our speakers and your fellow attendees. And there's food.

Geeks Showdown Lunch: Prove Your Mettle

Tuesday, March 15

Choose a table and demonstrate your mad knowledge of Halo, the Cloud, or one of the other topics at the Geek Showdown Lunch.

Dine-Around Dinner

Tuesday, March 15

The Dine-Around Dinner is an opportunity to meet your fellow attendees and start friendships that can last for the week or even longer if you happen to run across someone cool. Meet near the registration desk where TechMentor staff hand out a list of restaurants within walking distance. The group breaks into small groups based on where everyone wants to dine and heads off to dinner. Everyone pays for their own dinner and the groups are small enough to meet people. It's a great way to network and meet fellow attendees early in the week.

Luau Lunch on Shipwreck Beach – Sponsored by



Wednesday, March 16

Enjoy a “tropical” inspired lunch on the shores of Disney's Shipwreck Beach. Sponsored by Train Signal, the Luau Lunch at TechMentor is a perfect opportunity to kick off your shoes, kick back on the sand and enjoy a great meal with old and new friends.

TechMentor Exhibit Hall Reception

Wednesday, March 16

On Wednesday night, March 16, all conference attendees are invited to attend the conference reception. This is a great opportunity to meet your fellow conference attendees and speakers, enjoy complimentary drinks and hors d'oeuvres with music, and participate in a lively quiz game - TechMentor: TRUTH and LIES. You may even win a prize if you can spot the lie!

Hot Topics Lunch

Thursday, March 17

Join other attendees and speakers for stimulating discussions on a wide variety of topics.


TechMentor Orlando Keynote



Keynote: Cloud Computing – A (Lapsed) Economist's View

Mark Minasi

IT Consultant, Author, Speaker, MR & D
Tuesday, March 15

For the past few years, we've all heard about “the cloud” and how it'll either save us a billion dollars and make our IT infrastructure more “agile,” or that it's a scam and the end of the world for IT pros... so which is it? For the answer, join veteran IT industry watcher Mark Minasi as he dusts off his decades-old microeconomic analysis skills from his 80's stint as a senior economist in Washington and helps you get a handle on clouds. Did you know that a bit of simple math shows that cloud costs should drop significantly in the next ten years? Or that cloud computing might mean the end for some large organizations, but might make great sense for others? Or how about the fact that even though there are three major kinds of cloud vendors, none of those types are named “cumulus,” “stratus,” or “cirrus,” despite the fact that the most catchy name for a cloud-to-cloud communications backbone would have to be “nimBUS?” Come to this talk and discover Mark's Nine Cloudy Conclusions... and have a few laughs in the process! 

Reserve Your Room at Disney's Yacht Club Resort Today!

Take advantage of the \$149 room rate by February 18th*

Combine business and pleasure! Make your time at TechMentor Orlando even better by bringing the family and staying at Disney's Yacht Club Resort, home to all TechMentor Orlando sessions and activities. Disney's Yacht Club Resort is a perfect retreat for parents and kids alike.

And to help make your conference experience more affordable, we've secured a special hotel rate of \$149 per night* at Disney's Yacht Club Resort if you register by Friday, February 18, 2011. Plus, if you reserve rooms at Disney's Yacht Club Resort, you will receive one free after 4pm Disney Theme Park Ticket AND one free \$25 Disney Dining Card.**

Disney's Yacht Club Resort

1700 Epcot Resort Blvd
Lake Buena Vista, FL 32830
407-934-3372

TechMentor special room rate of **\$149 single/double occupancy. Book by Friday, February 18, 2011.**

Reserve your room on-line at <http://www.disneyurl.com/2011TechMentor>, or call Disney's Yacht Club Resort directly at 407-934-3372, and make sure to mention you are an attendee of TechMentor.



Booking a Room at Disney's Yacht Club Resort Online?

If you reserve your room at Disney's Yacht Club Resort online, please be aware of the following:

- **Guests will receive two e-mails.** Guests will receive an immediate e-mail stating their request has been received. Within 5 business days, they will receive a second e-mail providing a confirmation number.
- **Modifications.** Guests need to wait for their confirmation number to make changes or cancel their reservation. Modifications or cancellations must be made by phone by calling 407-934-3372.
- **Booking nights outside of the conference dates:** You can only reserve rooms between March 12 and March 19 online. If you would like to book rooms at the reduced rate before March 12 or after March 19, please call 407-934-3372 and tell them you are a TechMentor attendee.
- **Booking after hotel deadline (February 18):** Reservations requested after February 18, 2011 must be made via phone call to group reservations at 407-934-3372.

Travel

Air Travel Discounts—American Airlines is offering discounts to TechMentor Orlando attendees for air travel to Orlando between March 11 and 21, 2011. Mileage members can receive credit for all American miles flown to attend this conference. Call or have your travel agent call American Airlines at 800-433-1790 and reference #5431DD. Book your discounted ticket online, using the discount reference number above as the aa.com promotion code.

Visiting Orlando

Take advantage of all the city of Orlando has to offer. Visit Orlando Online to plan your must-see attractions while at TechMentor. If you'd like to learn more about Orlando—where to go, what to do, how to get around, or about the weather—visit Orlando City Search, MapQuest, or The Weather Network and start planning your trip today!

* The TechMentor room rate of \$149.00 per night is for single/double occupancy. Additional guests (over 18) will be charged \$25 per person per night.

** The complimentary after 4pm Disney Theme Park Ticket and \$25 Disney Dining Card will be handed out onsite by TechMentor to all conference attendees who have also registered for more than 2 nights at Disney's Yacht Club Resort in the TechMentor room block.


DISNEY'S YACHT CLUB, ORLANDO, FL

March 14-18, 2011

Pre-Conference Tutorials - Monday, March 14, 2011

8:00 a.m. - 5:00 p.m.	Registration			
9:00 - 12:30 p.m.				EPC Exclusive PowerShell Boot Camp - <i>Don Jones</i> Sponsored by: SAPIEN Technologies, Inc.
12:30 - 1:30 p.m.				Lunch (for PowerShell Boot Camp Attendees Only)
1:00 - 5:00 p.m.	PRE1 ESXpert Strategies in Constructing and Administering VMware vSphere - <i>Greg Shields</i>	PRE2 Four Hours of the Very Best Windows 7 Tips, Tricks, and Tools on Earth <i>J. Peter Bruzzese</i>	PRE3 Windows Crashes and Hangs: Simple Steps in Finding Every Root Cause <i>Bruce Mackenzie-Low</i>	Exclusive PowerShell Boot Camp <i>Don Jones</i>

Conference Day 1 - Tuesday, March 15, 2011

7:30 - 8:30 a.m.	Registration - Coffee and Morning Pastries				
8:30 - 9:30 a.m.	Keynote: Cloud Computing: A (Lapsed) Economist's View - Mark Minasi, IT Consultant, Author, Speaker, MR&D				
9:45 - 11:00 a.m.	TU1 HA & DRS Gotchas that Will Kill Your ESX Infrastructure <i>Greg Shields</i>	TU2 Designing High Availability into your Exchange Organization <i>J. Peter Bruzzese</i>	TU3 How Well Does Your Active Directory Stand Up to Microsoft's? <i>Laura Hunter</i>	TU4 Windows Failover Clustering: Five Reasons Why You Should Stop Ignoring It! - <i>Bruce Mackenzie-Low</i>	Exclusive PowerShell Boot Camp <i>Don Jones</i> 
11:15 a.m. - 12:30 p.m.	TU5 Tips & Tricks for Creating Good VMs. It's Not as Easy as You'd Think! <i>Greg Shields</i>	TU6 Smart Tricks and Big Gotchas in Virtualizing Microsoft Exchange - <i>J. Peter Bruzzese</i>	TU7 RODCs: Here's Why You Need Them. Here's How to Implement them Correctly! - <i>Laura Hunter</i>	TU8 Application Crash? Quickly Troubleshooting that Hung Application <i>Bruce Mackenzie-Low</i>	
12:30 - 1:45 p.m.	Geeks Showdown Lunch				
1:45 - 3:00 p.m.	TU9 ESXi 4.1 Command Line Tricks You Absolutely Must Know <i>Greg Shields</i>	TU10 Capacity Management for Exchange: Lessons from the field <i>J. Peter Bruzzese</i>	TU11 How Microsoft Does IT: Tales in the Trenches from a Microsoft IT Architect - <i>Laura Hunter</i>	TU12 How to Troubleshoot & Prevent Windows Print Spooler Outages <i>Bruce Mackenzie-Low</i>	Exclusive PowerShell Boot Camp <i>Don Jones</i>
3:15 - 4:30 p.m.	TU13 How to Locate the Source of any ESX Performance Problem in Ten Easy Steps - <i>Greg Shields</i>	TU14 Setting Up Exchange Unified Messaging in Seven Steps <i>J. Peter Bruzzese</i>	TU15 10 Things You Don't Know (and Can Implement Immediately) about Windows Server 2008 R2 - <i>Mark Minasi</i>	TU16 Tracking Down the Network's Biggest Problems with Microsoft NetMon - <i>Ed Liberman</i>	
5:00 p.m.	Dine-Around Orlando				

Conference Day 2 - Wednesday, March 16, 2011

7:30 - 8:00 a.m.	Registration - Coffee and Morning Pastries				
8:00 - 9:15 a.m.	W1 Windows Power Tools Treasury: Best of the Power Tools <i>Mark Minasi</i>	W2 Microsoft's Free Deployment Tools: Making Sense of the Acronym Alphabet Soup - <i>Justin Rodino</i>	W3 Completely Control Every Application with GPOs and GPPs <i>James Conrad</i>	W4 Using Microsoft RDS to Securely Extend Applications into the Cloud - <i>Ed Liberman</i>	Exclusive PowerShell Boot Camp <i>Don Jones</i>
9:30 a.m. - 10:45 a.m.	W5 The Network Files, Case #53: Diagnosing Diseases of DNS <i>Mark Minasi</i>	W6 Automating Pre-Deployment Tasks with the Microsoft Assessment and Planning Tool - <i>Justin Rodino</i>	W7 How to Customize and Rapidly Deploy Microsoft Office Using Free Tools - <i>James Conrad</i>	W8 17 Things You Can Implement Now to Speed User Logons <i>Ed Liberman</i>	
11:00 a.m. - 12:15 p.m.	W9 The Secrets of Technical Talks: How to Explain Tech without Tucking <i>Mark Minasi</i>	W10 Windows 7 Application Compatibility Problems and Easy Solutions - <i>Justin Rodino</i>	W11 PowerShell Scripting Best Practices <i>Jeff Hicks</i>	W12 Tips and Tricks for 100% WSUS Compliance...Overnight! <i>Ed Liberman</i>	
12:15 - 2:45 p.m.	Luuu Lunch on Shipwreck Beach Sponsored by Train Signal				
2:45 - 4:00 p.m.	W13 Notes from the Field: Locking Down Microsoft Office and Outlook with Group Policy - <i>James Conrad</i>	W14 Building and Deploying OS Images with Windows Deployment Server - <i>Justin Rodino</i>	W15 Top 10 Active Directory Tasks with PowerShell <i>Jeff Hicks</i>	W16 What Cloud Computing Means to You the IT Professional <i>Yung Chou</i>	Exclusive PowerShell Boot Camp <i>Don Jones</i>
4:15 - 5:30 p.m.	W17 Using Free Tools to Control who Gets on your LAN. It's More than Just Security! - <i>James Conrad</i>	W18 How to Create a Single Deployment Image that Works Everywhere <i>Justin Rodino</i>	W19 Getting Started with PowerCLI and VMware - <i>Jeff Hicks</i>	W20 Building a Microsoft VDI Solution with Software You Already Own - <i>Yung Chou</i>	
5:30 - 7:00 p.m.	TechMentor Exhibit Hall Reception				

TechMentor Orlando Tracks

Exclusive PowerShell Boot Camp	Virtualization	Active Directory Management and Architecture
MCITP Server Administrator Certification Mini Boot Camp	Architecting and Administering Microsoft Exchange	Automated Windows Deployment
Windows Deployment University	Security and Malware Protection	Getting More out of your Existing IT Investment
Becoming an ESXpert! Mastering VMware vSphere in Your IT Environment	Advanced Troubleshooting for Servers and Applications	
Windows PowerShell		

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Conference Day 3 - Thursday, March 17, 2011

7:30 - 8:00 a.m.	Registration - Coffee and Morning Pastries			
8:00 - 9:15 a.m.	TH1 Tools & Techniques for Managing Wireless Networks <i>Mike Danseglio</i>	TH2 The Final Step: Completely Automating Windows Deployment PART 1 - <i>Justin Rodino</i>	TH3 Group Policy Settings You Must Use (...and Some You Must Avoid!) - <i>Jeremy Moskowitz</i>	TH4 MCITP: Configuring Active Directory <i>-Bruce Rougeau</i>
9:30 - 10:45 a.m.	TH5 Restricting Devices from the Corporate Network. Why Haven't We Done This Before? - <i>Mike Danseglio</i>	TH6 The Final Step: Completely Automating Windows Deployment PART 2 - <i>Justin Rodino</i>	TH7 Group Policy Troubleshooting Essentials - <i>Jeremy Moskowitz</i>	TH8 MCITP: Configuring & Maintaining AD Objects <i>Bruce Rougeau</i>
11:00 a.m. - 12:15 p.m.	TH9 Securing the Back Door: Preventing Attacks from Employee Home Wireless Networks - <i>Mike Danseglio</i>	TH10 Smart Server Hardware Configurations for Microsoft Hyper-V - <i>Alan Sugano</i>	TH11 Using Group Policy to Implement Security Settings <i>Jeremy Moskowitz</i>	TH12 MCITP: Configuring AD's Additional Services <i>Bruce Rougeau</i>
12:15 - 2:45 p.m.	Hot Topics Lunch & Expo Hall			
2:45 - 4:00 p.m.	TH13 Easy Steps for Enabling Portable Data Security: Laptops, USB Drives, and More - <i>Mike Danseglio</i>	TH14 ESX versus Hyper-V Showdown ROUND 2! <i>Alan Sugano</i>	TH15 How to Automatically Migrate the User State During a Windows 7 Upgrade - <i>John Baker</i>	TH16 MCITP: Planning your Windows Server 2008 Environment PART 1 - <i>Bruce Rougeau</i>
4:15 - 5:30 p.m.	TH17 Dangerous Documents: Identifying and Protecting Data from Malware - <i>Mike Danseglio</i>	TH18 Top Reasons You Must Implement Exchange 2010 SP1 Now - <i>J. Peter Bruzese</i>	TH19 Super-Advanced Customizations with the Microsoft Deployment Toolkit <i>John Baker</i>	TH20 MCITP: Planning your Windows Server 2008 Environment PART 2 - <i>Bruce Rougeau</i>
Evening Slam Session				
7:00 - 8:30 p.m.	ES1 MCITP: Exchange Administrator Exam Prep (70-662 & 70-663) <i>J. Peter Bruzese</i>		ES2 MCITP: Server Administrator Exam Prep <i>Bruce Rougeau</i>	

Post-Conference Tutorials - Friday, March 18, 2011

8:00 - 8:30 a.m.	Post-Conference Tutorial Registration - Coffee and Morning Pastries	
8:30 a.m. - 12:30 p.m.	POST1 Considering Hyper-V? Fully-Functional Production Virtualization in Seven Simple Steps <i>Alan Sugano</i>	POST2 MCITP: Configuring a Server 2008 Network Infrastructure + Final Exam Prep <i>Bruce Rougeau</i>



TechMentor Orlando 2011 — Exclusive PowerShell Boot Camp



Don Jones' PowerShell Camp

A Hands-On Experience
EXCLUSIVE to TechMentor!

Sponsored by: SAPIEN Technologies, Inc.

For the first time ever, TechMentor brings you a complete, 3-day, hands-on* Windows PowerShell class featuring the industry's most popular and knowledgeable PowerShell expert! You'll also enjoy complete access to TechMentor's keynote address, special evening events and receptions, networking opportunities, exhibitors, and more, combining the benefits of a full technology conference with the focused education of a hands-on class! Don's three-day public classes have been available elsewhere for more than \$3,000 per student, making TechMentor's exclusive offering an incredible value as well as an amazing educational experience!

Windows PowerShell is Microsoft's newest, most exciting, and most important administrative technology. Rather than relying on complex scripting languages and partial capabilities, you'll finally enjoy a complete, consistent administrative experience that encompasses both the GUI and the command-line. Create administrative processes that match your needs, operate your way, and accomplish your tasks.


Don has taught more than 15,000 administrators to be *immediately effective* with Windows PowerShell—and **no prior scripting experience is required!** If you can run "Ipconfig," then you can master PowerShell—and Don will show you how! Using Don's signature approach and casual style, you'll learn how to run commands, manage processes, create Active Directory users, and much more. You'll learn how to create reusable, parameterized tools that your coworkers and colleagues can use. You'll debug scripts, manage command errors, and extend the shell. You'll see how to *teach yourself* how to use shell extensions, instantly making Exchange Server, SharePoint Server, SQL Server, Active Directory, System Center, and much more all accessible through PowerShell.

Don literally wrote the book on PowerShell, co-authoring the first publicly-available books for both PowerShell v1 and PowerShell v2. He's developed the most widely-used classroom courseware for PowerShell, including Microsoft's own Official Curriculum. Don writes the monthly PowerShell column for *Microsoft TechNet Magazine*, blogs about

PowerShell, and has received Microsoft's MVP Award for eight consecutive years. TechMentor's exclusive three-day class uses an outline that combines Don's half-decade of PowerShell training experience with his latest approaches, examples, and samples. You'll receive full download access to all of Don's sample scripts and shell transcripts upon completion of the class. This class is based upon Don's new book, *Windows PowerShell v2 in a Month of Lunches* (Manning), which makes the perfect companion and after-class reference.

Don't let your technology education stop with PowerShell: Purchase a full 5-day package to enjoy this 3-day course, a day offering more than 20 additional cutting-edge technology breakout sessions, and a half-day post-conference tutorial, in addition to all of the keynote, special events, and other benefits of TechMentor!

AUDIENCE

This class is suitable for *anyone* working with Microsoft technologies: Whether you're a network administrator or systems engineer, or even a developer, you'll learn to use and appreciate PowerShell's flexibility and reach. Using System Center, Exchange Server, SharePoint Server, or SQL Server? Managing Active Directory, servers, or clients? Then you need PowerShell, and this class will put you on the path to *immediate success*. 

*HANDS-ON—BRING YOUR OWN LAPTOP— SYSTEM REQUIREMENTS

To participate in the hands-on portions of this class, you will need to bring your own laptop. Power will be provided in the room. Your laptop must be running a virtual machine containing a Windows Server 2008 R2 domain controller. *Your virtual machine must be configured in advance*—create a standalone domain named whatever you like. Domain controller, server, and virtual machine configuration assistance *will not be available on-site*. You can download a free Windows Server 2008 R2 virtual machine from <http://bit.ly/bcPv51> (requires Microsoft Virtual PC to run); you will need to manually install the Active Directory Domain Services role and run Dcpromo.exe to promote the virtual machine to a domain controller. Be sure to allow Dcpromo to install the DNS role as well.

COURSE OUTLINE

1. Running Commands
2. Using the Help System and Discovering Commands
3. The Pipeline: Connecting Commands
4. Adding Commands and Extending the Shell
5. Objects: Data by Another Name

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6. The Pipeline, Deeper: Connecting Commands, Better
7. Formatting Command Output
8. Filtering and Comparisons
9. Remote Control: One to One, One to Many
10. Tackling Windows Management Instrumentation
11. Multitasking with Background Jobs
12. Working with Bunches of Objects, One at a Time
13. Security Alert!
14. Variables: A Place to Store Your Stuff
15. Input and Output
16. You Call This Scripting?
17. Sessions: Remote Control, with Less Work
18. From Command to Script to Function
19. Creating Your Own “Cmdlets” and Modules
20. Adding Logic and Loops
21. Trapping and Handling Errors
22. Debugging Techniques
23. Additional Random Tips, Tricks, and Techniques

**Don Jones' Exclusive PowerShell
Boot Camp is Sponsored by:
SAPIEN Technologies, Inc.**



SAPIEN

SAPIEN Technologies makes Windows administrative tasks—whether you're scripting or using related technologies—simpler.

We offer more than just software: We give you more than 20 years of experience, powerful software applications such as PrimalScript and PrimalForms, authoritative books such as “Windows PowerShell 2.0: TFM” by Don Jones and Jeffery Hicks, supportive communities, and real-world training. It's everything you need to learn new technologies, advance your skills in existing technologies, and work more effectively and more efficiently.



Deep Dive: Becoming an ESXpert! Mastering VMware vSphere in Your IT Environment

VMware vSphere is a deceptively-easy solution to implement. Installing in just a few minutes, you can spin up your first ESX server with little time and effort. But creating a virtual infrastructure is so much more than just a few mouse clicks. It's smart thinking, solid design, and thoughtful planning. It's also knowing the little tips and tricks gained through years of experience. You can't buy that experience; you have to earn it. But you can get a head start in becoming an ESXpert with a little help.

That's the theme of this TechMentor Deep Dive: Helping you make the right decisions about your VMware vSphere virtual infrastructure. This day-and-a-half Deep Dive starts with a good design, resolves HA and DRS gotchas you might have missed, shares the not-well-known tips and tricks for creating VMs, helps you solve problems with the command line, and concludes with structured solutions to solving performance problems. In it, you'll get more intelligent content about VMware vSphere than you'll find in weeks of online research. Led by renowned virtualization guru Greg Shields, you'll be sure to discover the nuggets of useful information about ESX you can immediately take home and implement. Whether you already are an expert, or are just starting down the virtualization path, become an **ESXpert** with Greg Shields at TechMentor and go home virtually smarter!

PRE1 Tutorial—ESXpert Strategies in Constructing and Administering VMware vSphere—Intermediate

Greg Shields

Monday, March 14: 1:00 – 5:00 p.m.


Did you know that 44% of virtualization implementations are not considered "successful" by their companies? Were you aware that 55% of companies experience more problems than benefits out of their virtualized environments? Scary numbers, for sure. And in each of these cases, a primary cause for lack of virtual success stems from insufficient planning and/or a bad design. Whether your virtual infrastructure is already created, or if you're still in the planning stages, you need this session. In it, renowned virtualization expert Greg Shields shares his experience gained over dozens of vSphere implementations, ranging from small business to enterprise. In it, you'll learn from the mistakes that others have already made. You'll discover the elements of good design that

ensure your virtual machines stay up and well-performing. And you'll come to know what capabilities you absolutely must implement along with those you can safely ignore. Starting any vSphere project and becoming an ESXpert starts with a good architecture. Come a little early to TechMentor and jump start your own design experience.

TU1 HA & DRS Gotchas that Will Kill Your ESX Infrastructure—Intermediate

Greg Shields

Tuesday, March 15: 9:45 – 11:00 a.m.

Even years after its initial release, VMotion today is still crazy cool. A technology that enables running virtual machines to relocate onto different hardware, VMotion is the must-have technology for every virtual environment. But did you know that many IT shops rarely ever use VMotion? Others want to, but find they've designed their environment improperly, making VMotion less effective or even impossible. Avoid those mistakes and continue your path to becoming an ESXpert by joining Greg Shields in this exploration of VMotion's lesser-understood side. Greg explains the complex limitations of VMotion that create gotchas down the road. He demystifies VMware's HA and DRS solutions, add-ons to VMotion that add intelligence to the live migration process. He shows you the right way to build your virtual environment to actually make VMotion useful for protecting your virtual machines. And he sends you home with a checklist for reviewing your own vSphere configurations to prevent a failure down the road. 

TU5 Tips & Tricks for Creating Good VMs. Its Not as Easy as You'd Think!—Introductory

Greg Shields

Tuesday, March 15: 11:15 a.m. – 12:30 p.m.

Seriously? An entire 75-minute session on "creating good virtual machines"? You're an experienced IT professional, and that's a terribly simplistic task. Or, is it...were you aware that attaching an incorrect number of virtual processors to your virtual machines will reduce your performance? Are you wasting your available RAM in the name of "having enough", only to reduce the number of VMs you can support. Do you understand the impact of context switches on VM performance, and the solutions that reduce the impact of this quiet killer? All of these and more are the secret knowledge that you'll only get from ridiculously-experienced VMware ESXpert Greg Shields. Join him for this session and squeeze even more power out of the virtual infrastructure you already have!

TU9 **ESXi 4.1 Command Line Tricks You Absolutely Must Know—*Intermediate***

Greg Shields

Tuesday, March 15: 1:45 – 3:00 p.m.

ESX or ESXi, either version arrives as a command-line operating system. While most of us manage most of our vSphere infrastructures from its GUI-based client, there are some command line tricks you absolutely must know. Do you know how to adjust ESX's firewall? Can you correctly multipath storage network connections? Do you know how to quickly fix management agent problems when clients won't connect? You might be a GUI-friendly IT pro, but being an ESXpert requires knowing a few handy command line ESX solutions. Get them with Master ESXpert Greg Shields in this exciting session.

TU13 **How to Locate the Source of any ESX Performance Problem in Ten Easy Steps—*Advanced***

Greg Shields

Tuesday, March 15: 3:15 – 4:30 p.m.

Hands down, your most important job with any virtual environment is performance management. Almost every problem in a virtual environment—slow VMs, unresponsive applications, limitations on consolidation—can be traced back to not performing this task effectively. Yet the problem with performance management is in really understanding what you need to do. Where do you monitor? What do you monitor? How can you track performance problems back to an actionable root cause? What tools can assist, and are vSphere's in-the-box tools enough (hint: no)? Learn the answers to these questions and more with Greg Shields in this final ESXpert session. In it, Greg will give you his 10-step solution to solving any ESX performance problem!



MCITP: Server Administrator Certification Mini Boot Camp

In a world where every job posting has hundreds of applicants, you must have all the fundamentals covered. One way to prove that is with certification, and one way to prove your experience with Windows is by obtaining the **MCITP: Server Administrator** credential.

What you might not know is that obtaining that credential doesn't need to be difficult. If you've been working with Windows for very long, you've likely already learned the skills you need to be successful. All you need is a refresher on the topics, with a slant towards the specific test objectives that are required for certification. Come and get exactly that refresher at TechMentor!

This spring in Orlando, TechMentor presents long-time certification instructor Bruce Rougeau's MCITP Mini Boot Camp. In it, you'll find seven intense, fast paced, high energy sessions focused on prepping you to pass the MCITP: Server Administrator's three exams. Bruce's sessions will Deep Dive into the topics you'll find in the 70-640, 70-642, and 70-646 exams. They will serve as your refresher for the necessary knowledge and skills based on the exam objectives, with a key focus on what is new in Windows 2008. In his exciting Evening Slam session, you'll get the highly-targeted exam prep you need. You'll see sample exam questions from all the exams, with an opportunity to discuss why the right answer is correct and why the wrong answers are wrong.

Whether you're interested in certifying or not, it is critical to have a rock solid foundation to build your system administration career upon. Ensure that you have that foundation by coming to TechMentor this spring and joining dozens of fellow IT professionals as you cover the basics for becoming a rock solid Windows 2008 administrator.

MCITP: Windows Server 2008 Server Administrator Certification Kit*

Taking the TechMentor MCITP Deep Dive? Be sure to add the Sybex certification kit to your registration.* You can pick up this boxed set of books at a special discount rate provided by Sybex. The Deep Dive sessions combined with this boxed set of books will give you everything you need to ace your MCITP certification exams.

** The Sybex certification kit is not a requirement to attend the MCITP Deep Dive sessions, but may be a helpful study aid and reference tool for those interested in taking the MCITP certification exam.*

PRODUCED BY



TH4 MCITP: Configuring Active Directory—Introductory

Bruce Rougeau

Thursday, March 17: 8:00 – 9:15 a.m.

Active Directory is at the core of virtually every IT environment in existence. As a Windows administrator you must be able to configure and deploy the key parts of an Active Directory infrastructure. You'll get exactly that refresher in this session. Join MCITP Test Prep Expert Bruce Rougeau to review the structuring, installing, and configuring of Active Directory. You'll explore all the functions you must know in extending the schema along with a few of Bruce's best practices for doing so. We will also look at DC replication and the role a GC plays in the architecture. Mastering your Global, Local, and Universal Group structure is also fundamental if you're to avoid chaos, as is the backup and restoration of Active Directory to protect yourself. Get that entire refresher in 75 minutes in this morning session.

TH8 MCITP: Configuring & Maintaining AD Objects—Introductory/Intermediate

Bruce Rougeau

Thursday, March 17: 9:30 a.m. – 10:45 p.m.

Provisioning users is always a time-consuming task, especially when there are hundreds or thousands to handle. This session reviews the ways to improve that process. In it, you will analyze how to handle bulk user imports, along with how to script the provisioning process using common tools like VBScript and PowerShell. Also in this session's refresher is a review of the GPOs you'll need to know that provide stability and consistency for domain objects. You'll walk through the process of creating, editing, managing, backing up and restoring GPOs. Then you'll deploy software with GPOs. Finally you'll look at other needs for GPOs like Fine Grain Password Policies and how these are different than traditional account policies.

TH12 MCITP: Configuring AD's Additional Services—Introductory

Bruce Rougeau

Thursday, March 17: 11:00 a.m. – 12:15 p.m.

It seems like every three to five years you need to re-learn everything you've known about IT. It also seems like this is one of those times for Active Directory. Just when we thought we were making progress with multi-master domain controllers, Microsoft introduces Read-Only Domain Controllers (RODC) for branch offices. This session will show

how to configure and install RODCs, as well as understanding when you don't need to. Then, we will walk through the critical RODC administration steps that you must know if a security breach occurs in a remote office. Finally, we will turn our focus to the enterprise features of AD by reviewing the benefits of restart-able AD Services, AD Federation Servers, and Certificate Services for Windows 2008.

**TH16 MCITP: Planning your Windows Server 2008 Environment PART 1 —
Introductory/Intermediate**

Bruce Rougeau

Thursday, March 17: 2:45 – 4:00 p.m.

Planning is a key part of a rock solid infrastructure, but it is also one of the hardest tasks to truly do successfully. To be successful, you need experience. But to get experience, you need planning. Short-circuit that process by attending this session. In it, you'll cover the key components when planning your Windows 2008 infrastructure, from the network infrastructure servers to the application servers. You'll review the options for deploying servers via images and automation tools. You'll look at server management, and how to accomplish this via remote tools and the use of RDP. Finally you'll determine the high availability needs of your applications along with the different ways to accomplish this in Windows 2008.

**TH20 MCITP: Planning your Windows Server 2008 Environment PART 2—
Introductory/Intermediate**

Bruce Rougeau

Thursday, March 17: 4:15 – 5:30 p.m.

Planning is a key part of a rock solid infrastructure, but it is also one of the hardest tasks to truly do successfully. To be successful, you need experience. But to get experience, you need planning. Short-circuit that process by attending this session. In it, you'll cover the key components when planning your Windows 2008 infrastructure, from the network infrastructure servers to the application servers. You'll review the options for deploying servers via images and automation tools. You'll look at server management, and how to accomplish this via remote tools and the use of RDP. Finally you'll determine the high availability needs of your applications along with the different ways to accomplish this in Windows 2008.

**ES2 MCITP: Server Administrator Exam
Prep—Introductory/Intermediate**

Bruce Rougeau

Thursday, March 17: 7:00 – 8:30 p.m.

Seeking the MCITP? Consider this your capstone session! This Deep Dive's previous sessions were laid out to give you the content refresher you need for the MCITP: Server Administrator Exams' objectives. This session will focus on those exams' sample questions: 70-640, 70-642, and 70-646. We will go over questions as a group, analyzing why the right answer is right or the best answer and the wrong answers are wrong or not the best choice. These sessions are always lively and typically enlightening, so come prepared and do not be afraid to speak up! Join MCITP prep expert Bruce Rougeau and validate your knowledge by answering and discussing questions with your peers.

**POST2 Tutorial—MCITP: Configuring a Server 2008 Network Infrastructure + Final
Exam Prep—Intermediate**

Bruce Rougeau

Friday, March 18: 8:30 a.m. – 12:30 p.m.

Building an environment from the ground up or supporting an existing computing environment requires fundamental knowledge of its essential networking components. And knowing that network backwards and forwards is a major part of the MCITP. This session will review the fundamentals of IP addressing, including what defines a subnet and how routers and switches work together. We will completely cover the fundamentals of a DHCP server in a Microsoft and Non-Microsoft world, and will explore name resolution by understanding DNS and how it has a close tie with DHCP. Once we've mastered the fundamentals, our next task will be in providing Windows 2008 servers to add functionality for File, Print, WSUS, and Wireless Security. While this might sound like a lot to cover in four hours, remember that these sessions are your refresher on Microsoft's technology along with its place in the MCITP exams.



Windows Deployment University

It's been nine years since Windows XP was released, and most of us just plain skipped Vista. It's about time for a new OS upgrade project, and you're in charge of its success! Are you ready for comprehensive OS deployment automation? Deployment expert Justin Rodino will show you how in TechMentor's highest-demanded Deep Dive. Help ease the pain of deployment by digging deep into Microsoft's new and streamlined automations as you leap to Windows 7 and Windows Server 2008 R2.

Recognized multi-year MVP in Windows Deployment, Justin spends every day helping companies like yours automate OS deployments, and he's bringing his expertise to TechMentor. In this multi-session Deep Dive, Justin explores Microsoft's deployment tools and their uses. He'll show you the tools and techniques in automatically assessing and preparing for your migration. He'll give you his must-see methods in migrating user data from old OS to new. He'll share his secrets in creating a single image for use across your entire infrastructure. And he'll conclude with an all-up, must-see session that fully automates your OS deployment from start to finish. This is TechMentor's premier Deep Dive session, taught by one of the industry's best! If you're looking to deploy any time soon or if you having trouble grasping the clear picture of how to string it all together, this is the deep dive you must see!

W2 Microsoft's Free Deployment Tools: Making Sense of the Acronym Alphabet Soup—Introductory

Justin Rodino

Wednesday, March 16: 8:00 – 9:15 a.m.

Do you use the WAIK with MDT? Do you have .gho's or .wim's? Have you used MAP or ACT? Do you want to P2V your XP machine to a VHD? Deployment these days is inundated with acronyms. Most of these acronyms tie together in some way shape or form, but what do they mean to you and your environment? This session will focus on getting to know what these acronyms mean, what they are and which acronyms might best fit in your environment. Spend 75 minutes demystifying deployment and leave knowing better how to connect the dots of the deployment acronym soup.

W6 Automating Pre-Deployment Tasks with the Microsoft Assessment and Planning Tool—Intermediate

Justin Rodino

Wednesday, March 16: 9:30 – 10:45 a.m.

The biggest overlooked challenge in a major deployment project isn't the deployment itself. It's the planning. The execution of any deployment should be easy and straightforward, but the only way it can be is by doing planning right. This session focuses on methodology and planning and how to ensure you know what you have in your environment and how to best think about the road to deployment success. You'll dive deep into the Assessment and Planning tool as well as talk about an operational framework that will help your project be successful from start to finish.

W10 Windows 7 Application Compatibility Problems and Easy Solutions—Intermediate

Justin Rodino

Wednesday, March 16: 11:00 a.m. – 12:15 p.m.

One major stumbling block in migrating from Windows XP to Windows 7 is application compatibility. Knowing what you have is critical to the success of moving the transition forward. But what if one of those pesky apps won't work in Windows 7? What do you do? You attend this session! Join deployment guru Justin Rodino on an exploration of Microsoft's Application Compatibility Toolkit. He'll teach you to be a Shim Wizard, tricking your application into thinking they're running atop Windows XP. Don't not upgrade because of some silly misbehaving app! Use the ACT's tools to get yourself atop Windows 7 today!



W14 **Building and Deploying OS Images with Windows Deployment Server—*Intermediate***

Justin Rodino

Wednesday, March 16: 2:45 – 4:00 p.m.

Images are getting larger. We need to refresh desktops more frequently. No longer can we visit the desktop and drop that “magic” floppy disk in the drive. Solution: Windows Deployment Services. WDS is your silver bullet to solve these issues. The ability to deploy WIM files via pre-boot environments makes this free tool invaluable. This session gives you a foundation in WDS you can leverage to deploy out-of-box images directly from Windows 7 media. You can also deploy customized images you’ve built yourself. If you’re looking for a multifaceted, multicasting tool at multiple speeds and don’t want to spend a lot of money, this session on WDS is one you won’t want to miss.

W18 **How to Create a Single Deployment Image that Works Everywhere—*Intermediate***

Justin Rodino

Wednesday, March 16: 4:15 – 5:30 p.m.

Imaging tools have been around for a while. We’ve all used them in some way shape or form. However, most of us don’t realize our images are monolithic and hardware specific. This makes the imaging process more tedious and also complicates updating images with new service packs and applications. It also means multiple images for ever-more common 32- and 64-bit architectures. This session will take you through creating that single image which can be deployed to any desktop or laptop, any make or model. It will also cover how to use this image in any of the Microsoft tools or even how to adopt it in to your existing imaging strategy. Invest 75 minutes to learn various image creation tips and tricks that will save you countless hours when you return to your office.

TH2 **The Final Step: Completely Automating Windows Deployment PART 1—*Intermediate/Advanced***

Justin Rodino

Thursday, March 17: 8:00 – 9:15 a.m.

This two-part session will take you from zero to hero in just under 180 minutes. You will learn how to construct a fully-automated deployment infrastructure that builds on the tools introduced in other sessions. You will build an environment with the Microsoft Deployment Toolkit (MDT) and deliver an image built with it via WDS. You’ll learn how to create a magic PXE stick to deliver images to remote locations WDS can’t reach. At the end of this session, you will have the knowledge to go back and stand up a working infrastructure from the 180 minutes of demos that will ensure your imaging and migration success.

TH6 **The Final Step: Completely Automating Windows Deployment PART 2—*Intermediate/Advanced***

Justin Rodino

Thursday, March 17: 9:30 – 10:45 a.m.

This two-part session will take you from zero to hero in just under 180 minutes. You will learn how to construct a fully-automated deployment infrastructure that builds on the tools introduced in other sessions. You will build an environment with the Microsoft Deployment Toolkit (MDT) and deliver an image built with it via WDS. You’ll learn how to create a magic PXE stick to deliver images to remote locations WDS can’t reach. At the end of this session, you will have the knowledge to go back and stand up a working infrastructure from the 180 minutes of demos that will ensure your imaging and migration success.



Conference Topics

- *Windows PowerShell*
- *Virtualization*
- *Architecting and Administering Microsoft Exchange*
- *Security and Malware Protection*
- *Active Directory Management and Architecture*
- *Advanced Troubleshooting for Servers and Applications*
- *Automated Windows Deployment*
- *Getting More out of your Existing IT Investment*

WINDOWS POWERSHELL

Windows PowerShell is raw automation. With it, you can accomplish almost any task in a consistent, repeatable format. Microsoft has announced its widespread support, which means you must learn this powerful scripting solution.

W11 PowerShell Scripting Best Practices—*Intermediate*

Jeff Hicks

Wednesday, March 16: 11:00 a.m. – 12:15 p.m.

Scripting with Windows PowerShell is very different than VBScript. It requires not only a new mind-set, but also a new set of scripting best practices. Whether you are writing a short script to save some typing or developing a complex workflow automation, there are ways to make your work easier to develop, debug, and maintain. PowerShell MVP, trainer and author Jeffery Hicks, will lay out the do's and don'ts when writing PowerShell scripts. You'll leave the session ready to take your PowerShell scripting to the next level.

W15 Top 10 Active Directory Tasks with PowerShell—*Intermediate*

Jeff Hicks

Wednesday, March 16: 2:45 – 4:00 p.m.

Managing Active Directory with PowerShell is easier than you think with the right tools. Join Jeff Hicks, PowerShell MVP and the author of *Managing Active Directory with Windows PowerShell: TFM*, for a fun-filled and demo packed session. You'll learn how to manage the ten most common Active Directory administrative tasks using Windows PowerShell, and you won't have to write a single script! Well...maybe just a short one, but Jeff will help. Bring your laptop with any virtualized domain controller (Windows Server 2008 R2) and follow along. A little PowerShell experience is helpful, but not required.

W19 Getting Started with PowerShell and VMware—*Introductory*

Jeff Hicks

Wednesday, March 16: 4:15 – 5:30 p.m.

If you run a VMware infrastructure and aren't using Windows PowerShell as part of your management strategy, then you're most likely spending way too much time getting your job done. Discover how much work you can accomplish from a PowerShell prompt and you don't even really need to script. Led by PowerShell author and trainer Jeff Hicks, you'll see how easy it is to get started managing your VMware infrastructure from a PowerShell prompt and will be eager to return to work to try out your new-found knowledge.

VIRTUALIZATION

Virtualization is everywhere, and businesses of all sizes have either made the jump or are on their way. Sessions in this topic take you from its foundations to the complex optimizations that every virtual environment needs.

W4 Using Microsoft RDS to Securely Extend Applications into the Cloud—*Intermediate*

Ed Liberman

Wednesday, March 16: 8:00 – 9:15 a.m.

When you clear away all the smoke and mirrors, the core of every IT professional's job is really pretty cut-and-dried. The mission statement we like to use is: The core mission of IT is to create, manage and ensure secure access to business applications and data. Everything else—the patching, the troubleshooting, the help desk support—all are activities that support that core mission. Whether you're an IT professional in a large enterprise or a jack-of-all-trades in a small business, keeping those applications running and their data secure is what ultimately keeps the paycheck coming. That's why a technology like Microsoft's Remote Desktop Services (RDS)

is a smart solution for fulfilling that mission. Using RDS, it becomes trivial to create pervasive and secure application access to anywhere with a network connection.

W16 **What Cloud Computing Means to You the IT Professional—Introductory/Intermediate**

Yung Chou

Wednesday, March 16: 2:45 – 4:00 p.m.

Virtualization is a key technology that makes Cloud Computing possible. A clear understanding of virtualization in architecture, security, deployment, and administration reveals much of the technical information for delivering services through a cloud. This session presents Cloud Computing from a virtualization point of view. IT pros will be able to apply their knowledge of virtualization and gain technical insights of Cloud Computing with recognized patterns and practices from virtualization in enterprise IT.

W20 **Building a Microsoft VDI Solution with Software You Already Own—Intermediate/Advanced**

Yung Chou

Wednesday, March 16: 4:15 – 5:30 p.m.

Virtual Desktop Infrastructure is an emerging computing model. With it, a Windows client runs as a server-based virtual machine. Users connect via a client device such as a PC or a thin client. App-V is a deployment model with application streaming, which eliminates the need to have applications locally installed. By combining App-V with VDI, an authorized user can now access a personal or shared desktop on demand from almost any device. This session presents a technical introduction of this solution, how it works, and what it won't do. In it, you'll examine key architectural components of an App-V/VDI solution while walking through user scenarios with technical demos.

TH10 **Smart Server Hardware Configurations for Microsoft Hyper-V—Intermediate**

Alan Sugano

Thursday, March 17: 11:00 a.m. – 12:15 p.m.

This session will discuss the server hardware configuration for ESX and Hyper-V hosts. You'll also cover memory, CPUs, CPU Cores, hard drive type, RAID configuration, and network cards in the server host to ensure an appropriate and stable platform for your virtual machines. Learn how to properly

configure a server host for your environment for stability and future growth. It will cover server host hardware in the virtual server host context including, memory overcommit, thin versus thick disk provisioning and VM snapshots.

TH14 **ESX versus Hyper-V Showdown ROUND 2!—Intermediate**

Alan Sugano

Thursday, March 17: 2:45 – 4:00 p.m.

Microsoft's own hypervisor, Hyper-V, was released with Windows Server 2008. It is designed to compete directly against VMware's ESX server. How do the two products compare? We'll consider price, performance, hardware requirements, high availability, management and other features in this comparison shootout. If you're evaluating virtualization platforms, make sure to attend this session to assist in your decision making process.

POST1 **Tutorial: Considering Hyper-V? Fully-Functional Production Virtualization in Seven Simple Steps—Intermediate**

Alan Sugano

Friday, March 18: 8:30 a.m. – 12:30 p.m.

Considering Hyper-V or maybe you've already deployed it? This tutorial will give you insight into the best practices for setting up a Hyper-V environment. When Hyper-V is properly configured it is secure, stable and fast. Get over the steep virtualization learning curve and avoid the potential pitfalls with the Hyper-V environment. Are all of your Hyper-V hosts installed on Server Core? Are you using System Center Virtual Machine Manager (SCVMM) to manage your Hyper-V hosts? Is your SCVMM management computer in a separate isolated management network? Are you following the best practices for Snapshots? Are you properly leveraging backup methods to ensure a smooth recovery on VMs running on Hyper-V? Avoid the pain, frustration, and steep learning curve of Hyper-V. Stick around for another half-day at TechMentor with Hyper-V expert Alan Sugano. You'll quickly get up to speed with Hyper-V's virtualization environment.



ARCHITECTING AND ADMINISTERING MICROSOFT EXCHANGE

Email is a critical service for every business. But actually making email function is a complex task with peril at every misstep. Learn how to manage your systems better while ensuring their constant availability in these sessions.

TU2 Designing High Availability into your Exchange Organization—*Intermediate/Advanced*

J. Peter Bruzzese

Tuesday, March 15: 9:45 – 11:00 a.m.

High Availability is becoming so essential in Exchange environments as a means of providing more than simply uptime, but even methods of Disaster Recovery. Some admins have placed their confidence solely in the hands of their HA solution and have ceased doing backups altogether. Are you ready for such a bold move? Have you even looked into the HA features built right into Exchange?

In this session, Microsoft MVP and Exchange expert J. Peter Bruzzese will start you off with a clear explanation of Exchange storage architecture for Exchange 2007 and 2010. Then he will walk you through the concept of continuous replication HA and how CR is utilized in Exchange 2007 and 2007 SP1, leading up to the changes in Exchange 2010 and 2010 SP1 with the new DAG method of HA.

TU6 Smart Tricks and Big Gotchas in Virtualizing Microsoft Exchange—*Introductory/Intermediate*

J. Peter Bruzzese

Tuesday, March 15: 11:15 a.m. – 12:30 p.m.

You can virtualize every aspect of Exchange. The big question is...should you? Microsoft MVP and Exchange expert J. Peter Bruzzese has the answers. In this session, he will talk honestly about the need to be reasonable when planning out Exchange virtualization. You'll learn how to avoid the caveats of over-virtualization – yes, there is such a thing! You'll explore support-loss-virtualization, which occurs when your Microsoft support slips because you don't follow their explicit guidelines. Even getting that physical Exchange box to the virtual world has its own gotchas, with Peter explaining the pros and cons of P2V. If you're considering virtualized Exchange, or if you're experiencing problems because you already did, get the assistance you need in this session.

TU10 Capacity Management for Exchange: Lessons from the Field—*Intermediate*

J. Peter Bruzzese and Raphael Barini

Tuesday, March 15: 1:45 – 3:00 p.m.

How are you facing the challenge of satisfying your user's ever growing storage needs? Capacity management is a necessary task for any administrator that wishes to keep his messaging system from spiraling out of control. New features within Exchange 2010 make it possible to adjust our views of capacity management thanks to improved storage, a new storage model, and better I/O performance. If you are considering making the move to Exchange 2010, you do not want to miss this session. You will learn the pros and cons of using the various storage technologies including DAS, SAN, FDDI and iSCSI. You will also walk away with some real world best practices that will ensure you not only meet your user's needs today, but also in the future.

TU14 Setting Up Exchange Unified Messaging in Seven Steps—*Introductory/Intermediate*

J. Peter Bruzzese

Tuesday, March 15: 3:15 – 4:30 p.m.

Since the beginning, Exchange sends and receives email. Aside from a few tweaks, bells and whistles, that is what it still does. Sure there are transport rules and journaling and message compliance (snooze), but UM is a real game changer in terms of what your Exchange server can do for your environment. The fact is most admins just haven't had the chance to experience it first-hand.

In this session, you'll become deployment-ready in seven steps. Peter Bruzzese will outline exactly how UM works. He'll outline all the pieces and then walk step-by-step through the creation of dial plans, IP gateways, policy assignments, and auto-attendants. You'll then go through some demonstrations using a VoIP gateway in-house that will demonstrate the value of UM in a production environment. See how UM can impact your existing environment for the better.

W13 **Notes from the Field: Locking Down Microsoft Office and Outlook with Group Policy—Intermediate**

James Conrad

Wednesday, March 16: 2:45 – 4:00 p.m.

You walk by a user's desk and it looks like they're busily working in Microsoft Outlook. That's great! You installed Outlook for company productivity. But on second glance, you notice they are looking at their Facebook page—but from within Outlook. How can this be!? You need LOCKDOWN and you'll get it with Lockdown Guru James Conrad. Microsoft Office 2010 now includes the Outlook Social Connector that integrates social networking with Outlook. That's just wonderful. Now, you have to figure out a way to lock it down so users don't use this feature. In addition, you'll need to figure out how to lock down a great many other settings that potentially could open users' systems to security vulnerabilities. This session shows you key settings and how to centrally control nearly every aspect of Microsoft Office!

TH18 **Top Reasons You Must Implement Exchange 2010 SP1 Now—Intermediate**

J. Peter Bruzzese

Thursday, March 17: 4:15 – 5:30 p.m.

You don't typically have to twist an admin's arm to install a service pack. They're free and usually come with some great new features you know will improve your solution. But sometimes when you have a deployment up and running, especially with Exchange, you need a bit of incentive to go through the upgrade trouble. This session will help you see why it is worth the effort to upgrade now. It includes everything from public folder permission enhancement to a new GUI for retention policies, from new OWA themes to some really cool Exchange Control Panel options... and more. Let Exchange Guru Peter Bruzzese walk you through the new features so that you will know why you need to implement Exchange 2010 SP1 NOW, rather than later.


ES1 **Evening Slam—MCITP: Exchange Administrator Exam Prep (70-662 & 70-663)—Intermediate**

J. Peter Bruzzese

Thursday, March 17: 7:00 – 8:30 p.m.

This exam prep for MCITP Exams 70-662 and 70-663 is a 90-minute roller coaster ride through the configuration of Exchange 2010. It also combines the design and deployment exam features. With so many subjects a person can focus on, you might get lost in the details and miss the larger focus points. This session will help you avoid that mistake by directing your attention to the main elements of each exam. At the same time you'll learn the tricks in passing each exam that will move your study progress in the right direction. Stay a little late one night to make all the difference between a smile or frown when you hit that final button on exam day. In the end, a few extra hours in the evening can have a huge payback!

SECURITY AND MALWARE PROTECTION

No computer environment can stand long without the right kinds of network and server security. And today's security options are powerful in the capabilities they offer. Learn about the new paradigms in security with these sessions, along with the products that make them a reality. 

TU16 **Tracking Down the Network's Biggest Problems with Microsoft NetMon (NO LEVEL INDICATED)**

Ed Liberman

Tuesday, March 15: 3:15 – 4:30 p.m.

Network traffic analysis is becoming increasingly important as network protocol stacks fold into web routable protocols. Every network administrator should have a great protocol analyzer and a frame capture tool that helps in detecting such encapsulation in their toolbox. Microsoft's Network Monitor is just that tool, and the best part of all, it's free. Come learn in this session how to capture and filter traffic to help solve some of your most difficult networking issues.

**W12 Tips and Tricks for 100% WSUS Compliance...Overnight!
(NO LEVEL INDICATED)**

Ed Liberman

Wednesday, March 16: 11:00 a.m. – 12:15 p.m.

It is becoming increasingly critical to obtain and deploy updates more quickly. Windows Server Update Services (WSUS) is a great tool which will help you get updates out to your entire network so you can sleep at night. In this session, we will discuss tips, tricks, and best practices for making sure your network is completely updated when you come to the office in the morning.

W17 Using Free Tools to Control Who Gets on Your LAN. It's More Than Just Security!—Advanced

James Conrad

Wednesday, March 16: 4:15 – 5:30 p.m.

You've invested thousands (maybe millions!) in security precautions to protect you from those infernal internet hackers. You might have multiple hardware and software firewalls, intrusion detection systems, the highest possible level of encryption to protect network traffic and VPN connections at the highest possible level of security. Guess what—all that security is not enough to protect you from your own users! You configure your networks to specifically allow users access to resources. But what if a laptop user is disconnected from your antivirus and WSUS servers for an extended period of time and then reconnects to your wired, wireless, or VPN network without the latest malware defenses? Any security threats that might have slipped onto their laptop can potentially spread throughout the rest of your organization. Thankfully, Network Access Protection from Microsoft comes to the rescue! Unfortunately, NAP has several, complicated components. In this session, James Conrad shows you essential methods and criteria to lock down your unprotected clients.

TH1 Tools & Techniques for Managing Wireless Networks—Advanced

Mike Danseglio

Thursday, March 17: 8:00 – 9:15 a.m.

Many network administrators believe that the only task in a wireless network is watching for break-ins. Nothing could be further from the truth. Frequency interference comes and goes, frustrating users and leaving no trace for root cause analysis. Attackers leave just as little with their Wi-Fi attacks, especially the successful ones. But how do you see what's happening on your wireless networks to detect and resolve issues? No, you don't need a hat covered with antennas; you need practical advice on the hardware and software that provides value.

Join Mike Danseglio, CISSP, as he examines the various techniques across the 2.4Ghz and 5Ghz wireless bands. He'll examine a variety of network management challenges and give guidance on (in many cases, FREE!) tools and techniques to address these challenges today. Lots of hands-on demonstrations will help you secure and maintain your wireless network with a minimum of fuss.

TH5 Restricting Devices from the Corporate Network. Why Haven't We Done This Before?—Intermediate

Mike Danseglio

Thursday, March 17: 9:30 – 10:45 a.m.

Users love to bring their personal electronics to work. From the IT guru with the latest laptop technology to the intern with a new MP3 player, these devices find themselves connected to corporate assets every day. Regardless of written policy or device functionality, these unauthorized and unmanaged connections pose a security risk. Join Mike Danseglio, CISSP, former security authority at Microsoft and world-renowned security expert, as he shows how this happens every day along with the impact of each occurrence. For each type of vulnerability, Mike will explain potential data compromise, impact to the business, and more. But you don't want to know just the pain. You also want the solution! Mike won't let you go without detailed demonstrations of protecting corporate assets from those nasty devices using off-the-shelf hardware and software tools.



TH9 **Securing the Back Door: Preventing Attacks from Employee Home Wireless Networks—Intermediate**

Mike Danseglio

Thursday, March 17: 11:00 a.m. – 12:15 p.m.

Wireless home networks are prevalent today and their use is expanding. Fixed Mobile Convergence (FMC) is extending functionality with things like femtocell and ZigBee, and new technologies appear nearly every day. As these expand, and more companies go global, the use of corporate resources on home networks becomes simpler and more common. But there's a dark side too! The result of these factors is that corporate assets are exposed to attack through home networks. Because home networks are by definition not in the workplace, they are nearly impossible to manage. Join Mike Danseglio, CISSP, former security authority at Microsoft and world-renowned security expert, to explore the wireless home technologies in place today.

In this session, Mike dissects several wireless networks piece by piece, showing how they work, how they implement security, and where they expose security vulnerabilities. Mike also explains the relative vulnerabilities of each - for example, a relatively obvious flaw in a signaling technique that is readily exploitable, but only with expensive custom radio equipment. Mike also shows how to mitigate a number of commonplace attacks and how to anticipate, and protect against, the next generation of wireless security vulnerabilities. Throughout the session he remains focused on the fact that home wireless networks are largely unmanaged and unregulated by corporate security policy. The calls to action aren't just fanciful theory - they're practical, based on extensive experience in the field.

TH11 **Using Group Policy to Implement Security Settings—Intermediate**

Jeremy Moskowitz

Thursday, March 17: 11:00 a.m. – 12:15 p.m.

If you had to lock down 100 machines in 5 minutes, could you do it? With Active Directory and Group Policy along with the secrets in this talk, you'll have a leg up on the bad guys. Learn how to lock down the systems you need (using just the "strength" you need, and not more). Learn how to leverage Active Directory and windows file auditing and which Group Policy settings have special "Super Powers!" Learn to get the right balance between security and usability on your Windows machines. You can do it! With just a little know-how that you'll get in this session!

TH13 **Easy Steps for Enabling Portable Data Security: Laptops, USB Drives, and More—Introductory**

Mike Danseglio

Thursday, March 17: 2:45 – 4:00 p.m.

From the CEO who loses her USB drive at Starbucks to the human resources manager who has his laptop stolen on vacation, data compromise is commonplace today. It shows up in the news daily. But the stories you don't see are when lost data gets protected so well nobody loses! How do you protect data like that? It's a combination of people, process, and technology. This talk focuses on technologies that provide strong data encryption without being expensive or a nightmare to administer and use. They are simple to implement and largely idiot-proof technologies you should implement and enforce today. Mike Danseglio—CISSP, former security authority at Microsoft and world-renowned security expert, will show you the strengths and weaknesses of technologies including Bitlocker, Bitlocker-to-Go, Encrypting File System, BIOS passwords, Syskey, hardware-based data encryption, and many more that you have probably never seen. Focus is placed on the relative security and cryptographic strength of each solution. Unlike many presentations, purchase cost, administration, and usability are also explored through statistics and live demonstrations. At the end of this session, you'll know the best data protection solution for your unique situation.



TH17 **Dangerous Documents: Identifying and Protecting Data from Malware—Intermediate**

Mike Danseglio

Thursday, March 17: 4:15 – 5:30 p.m.

Most users and many administrators understand the danger of opening executable files. But they see no harm in opening an MP3 regardless of its source. That bad assumption is how many viruses and worms are spread today. Many document types are inherently unsafe and some types, like Microsoft Word documents, have been exploited by attackers for years. During this session Mike Danseglio, CISSP, a world-renowned security expert, will show you how to protect your systems from the kinds of documents that are being used to mount attacks today. This session isn't just about installing malware filters and scanners. You'll learn first-hand what kind of damage dangerous documents can do to even a well-protected network. Mike shows plenty of methods you should use today to help stop successful attacks.

ACTIVE DIRECTORY MANAGEMENT AND ARCHITECTURE

Active Directory is at the core of your entire IT infrastructure. A decade-old technology, AD remains one that every IT professional must know by heart. Get today's top tips and tactics for managing it correctly in this topic's sessions.

TU3 **How Well Does Your Active Directory Stand Up to Microsoft's?—Introductory**

Laura Hunter

Tuesday, March 15: 9:45 – 11:00 a.m.

Straight from the source! Come and listen to the Technology Architect responsible for designing and running Microsoft's internal Active Directory infrastructure. Find out what Microsoft's environment really looks like, and how it stacks up against what you face on a day-to-day basis. Think managing Group Policy is tough? Try it with over a hundred thousand users! How do you keep your Sites & Services topology up-to-date in a global environment? How do you create a secure AD infrastructure for a global, mobile, diverse, and technically savvy workforce? Laura Hunter will talk about AD, GPOs, management tools, and you'll take home some lessons that will apply no matter how large or small your Active Directory environment may be.

TU7 **RODCs: Here's Why You Need Them. Here's How to Implement them Correctly!—Advanced**

Laura Hunter


Tuesday, March 15: 11:15 a.m. – 12:30 p.m.

One of the biggest new features in Active Directory for Windows Server 2008 is the ability to deploy a "Read-Only Domain Controller". But now it's three years later, and where are all the RODCs? You might not know you really do need them! In this session, hear from Microsoft Active Directory Architect Laura Hunter about the advantages these puppies can provide to your environment, and how to deploy and manage them in the best possible way. Hunter will talk about what they can do, what they can't do, and how to leverage them in environments both large and small.

W3 **Completely Control Every Application with GPOs and GPPs—Intermediate**

James Conrad

Wednesday, March 16: 8:00 – 9:15 a.m.

You've got software, but do you have unauthorized software? You know the kind: Harmless games that kill productivity, or unstable and poorly-written apps that compromise security. Some apps don't even need installation, so unprivileged users sneak them in. Learn about controlling those applications in this exciting session with AppExpert James Conrad! With new software restriction settings, administrators can both allow given applications to run as well as specifically deny others. Even when permitted apps are installed, some might require additional tweaking on each desktop. Using Group Policy Preferences (GPPs), you can now apply a great deal of customization and configuration settings to many of your apps. 

W5 **The Network Files, Case #53:
Diagnosing Diseases of DNS—
Introductory/Intermediate**

Mark Minasi

Wednesday, March 16: 9:30 – 10:45 a.m.

Network troubleshooters soon learn that the first place to look when the network stops working is DNS... and soon after that, they learn that the in-the-box DNS troubleshooting tool, nslookup, is a pretty weak answer—but this session remedies that with a clear, step-by-step set of diagnostic approaches and prescriptions for DNS ills of all stripes. Give your troubled DNS queries a thorough workup with Network Monitor, and find out why those dynamic updates aren't happening. Get the scoop on the dreaded DNS flu, an ailment endemic to Server 2008 and 2008 R2 boxes. Take your DNS system's pulse with DNSLint. Take a sample of your DNS output with a close examination of your logs, and more. Attend this talk and you'll soon be known as Doctor DNS!

W7 **How to Customize and Rapidly Deploy
Microsoft Office Using Free Tools—
Advanced**

James Conrad

Wednesday, March 16: 9:30 – 10:45 a.m.

Everybody uses Microsoft Office. But installing Office is a time-consuming and daunting task for many administrators—especially if you're installing it manually at each workstation. Although tools such as System Center Essentials or System Center Configuration Manager can fully automate the process, these products are another expensive product to learn with complicated preparation. Busy and underfunded administrators need automation too! Using free resources, this session will show you how to fully automate Microsoft Office 2010 installation and customization. And you'll do it all without expensive, complicated solutions. When you are done using these tools, you'll also have a full accounting for each workstation that has a successful installation of Office.

TH3 **Group Policy Settings You Must Use
(...and Some You Must Avoid!)—
Intermediate**

Jeremy Moskowitz


Thursday, March 17: 8:00 – 9:15 a.m.

Group Policy is a big place. But where's the BEST place you can use Group Policy? Surely not all areas can be covered, so be sure to join Jeremy Moskowitz, Group Policy MVP, for some quick wins you can take back and use for your team. See a few basics and a few more crazy tricks, along with some stuff in between. Learn about some Group Policy things that, well, maybe don't quite work as they should. Don't fall into that trap—learn from the Group Policy guru and come to this how-to session.

TH7 **Group Policy Troubleshooting
Essentials—Intermediate**

Jeremy Moskowitz

Thursday, March 17: 9:30 – 10:45 a.m.

Now that you're starting to get Windows 7 out there, are your troubleshooting skills updated? Jeremy Moskowitz, Group Policy MVP of GPanswers.com and author of Group Policy Fundamentals, Security, and the Managed Desktop is just the guy to bring you the know-how-update. Here, you'll learn why you can't just run gpresult.exe anymore to get the results you want. You'll discover what happens if you reconnect to the network after a long absence. You'll learn how to crack open the Windows 7 event log and trace Group Policy flow to figure out what might be going on. You'll learn how to troubleshoot the new Group Policy Preference Extensions. You'll learn how other areas such as Offline Files and Group Policy Software Installation can be tweaked to give you just the information you need to fix what ails you. If you're looking for Group Policy answers to your troubleshooting questions, this is the session for you. 

ADVANCED TROUBLESHOOTING FOR SERVERS AND APPLICATIONS

If you like getting your hands dirty, fixing the hardest issues with servers and applications, this topic's sessions are right with you. Complex problems are no match for the right tools combined with smart ways of using them. All are exposed here.

PRE3 Tutorial: Windows Crashes and Hangs: Simple Steps in Finding Every Root Cause—Intermediate

Bruce Mackenzie-Low

Monday, March 14: 1:00 – 5:00 p.m.

Do you feel helpless when your Windows servers crash? Do you hit the reset button while praying your server will reboot? Do you dread spending hours on the phone being passed around the world seeking assistance for your Blue-Screen-of-Death (BSOD)? Fear not, you've come to the right tutorial! Learn about simple techniques used to configure and analyze kernel memory dumps. Get hands on experience with your laptop as you install the debugger and analyze your own Windows crashes. Several real world case studies will be presented with live demos that explore the various commands and techniques used to determine the root cause of failure. A cookbook approach is leveraged to identify failing software or hardware components responsible for outages – saving you from future downtime and instability on your Windows servers.

TU4 Windows Failover Clustering: Five Reasons Why You Should Stop Ignoring It!—Introductory

Bruce Mackenzie-Low

Tuesday, March 15: 9:45 – 11:00 a.m.

Troubleshooting Windows Failover Clusters can be an extremely difficult and time consuming task. By implementing the best practices while planning, installing and configuring Failover Clusters, you can directly affect the stability of your cluster and applications. Learn how to build a cluster from the ground up; employing the best practices for network and storage considerations. Examine the different quorum models knowing with confidence which one is right for your configuration. Explore tools used to configure and troubleshoot Failover Clusters such as Validate and Tracerpt. Avoid the common pitfalls that can lead to downtime resulting in lost productivity and revenue.

TU8 Application Crash? Quickly Troubleshooting that Hung Application—Intermediate

Bruce Mackenzie-Low

Tuesday, March 15: 11:15 a.m. – 12:30 p.m.

Troubleshooting Windows applications that crash or hang can be some of the most challenging outages an administrator may face. Many applications crash or hang without leaving so much as a trace as to why. Tough problems demand top shelf tools that the Pros rely on for answers. Learn about ADPlus, ProcDump and the Windows Debugger as you tackle real world cases. Learn about advanced debugging techniques that identify exactly what the application was doing at the time it crashed, and then search the world-wide-web with confidence for your solution. You will be able to immediately take advantage of these tools and techniques at the office putting an end to troublesome apps!

TU12 How to Troubleshoot & Prevent Windows Print Spooler Outages—Introductory

Bruce Mackenzie-Low

Tuesday, March 15: 1:45 – 3:00 p.m.

Troubleshooting Windows print spooler crashes and hangs can be very challenging what with all the different types of printers and drivers available. This introductory session will provide an overview of the Print Spooler Service and how it communicates with printers. It will then explore the different methods of capturing a print spooler memory dump to identify which component is failing. Finally, the session will cover the installation and configuration of the Windows debugger, illustrating techniques used to analyze print spooler dumps and determine which component, driver, printer, and job is causing the failures.



W8 **17 Things You Can Implement Now to Speed User Logons—*Introductory***

Ed Liberman

Wednesday, March 16: 9:30 – 10:45 a.m.

Do your computer logons take forever? Are your users tired of waiting to logon? Need to improve productivity by getting your users logged on faster? Of course you do! Who wouldn't like to see faster logons! If you answered "YES!" to any of these questions join Faster Logon Master Ed Liberman to learn how to get your users started with Windows faster than ever before.

AUTOMATED WINDOWS DEPLOYMENT

Windows 7 and Windows Server 2008 R2 are here and they're ready for your use, if you can get them onto your hardware. You can do that the manual way, or you can automate the entire process. Attend the sessions here to learn the step-by-step process necessary to make deployment and management an automated snap.

TH15 **How to Automatically Migrate the User State During a Windows 7 Upgrade—*Intermediate/Advanced***

John Baker

Thursday, March 17: 2:45 – 4:00 p.m.

If you're responsible for deploying Windows 7 in your environment you're probably wondering how to migrate the user accounts, user files, operating system settings, and application settings to the new desktop? The answer is quite simple! The Windows User State Migration Tool (USMT) 4.0 will give you the ability to control exactly which files and settings are migrated and how they are migrated. The USMT includes two components, ScanState and LoadState, and a set of modifiable .xml files: MigApp.xml, MigUser.xml, and MigDocs.xml. In this session, you'll explore how you can use the USMT and customize it to your specific business needs.

TH19 **Super-Advanced Customizations with the Microsoft Deployment Toolkit—*Intermediate/Advanced***

John Baker

Thursday, March 17: 4:15 – 5:30 p.m.

Utilizing the Microsoft Deployment Toolkit configuration database, you'll see how to further automate deployment configurations based on a number of criteria. The configuration database enables you to configure the automatic assignment of properties based on the target computer. Examine the three methods for targeting computers: Location, make and model, and computer values as well as look at how you can assign roles to those methods that contain further configurations. Look at how you can use linked deployment points in the organization, allowing administrators to migrate deployment assets between deployment points through the use of custom selection profiles.

Getting More out of your Existing IT Investment – Want to eke more out of the IT investment you already have? That's the theme in this topic's sessions. Learn more, gain more, and get more out of what you've already got by attending sessions in this topic.



PRE2 **Tutorial: Four Hours of the Very Best Windows 7 Tips, Tricks, and Tools on Earth (NO LEVEL INDICATED)**

J. Peter Bruzzese

Monday, March 14: 1:00 – 5:00 p.m.

Too often administrators deploy an OS like Windows 7 without really knowing all the latest and greatest features that will benefit your users. This session will start with some of the lighter features, tips and tricks and then build toward more advanced feature enhancements like AppLocker, PowerShell ISE and more. In addition, you'll discuss must-have free tools that will help you keep your Windows 7 systems humming along smooth and secure.

TU11 **How Microsoft Does IT: Tales in the Trenches from a Microsoft IT Architect—Intermediate**

Laura Hunter

Tuesday, March 15: 1:45 – 3:00 p.m.

Dogfood and Upgrades and Clouds, oh my! Before you ever see a Microsoft product beta, a dedicated team of IT fanatics inside the Microsoft Millennium Building have been hard at work, sometimes for over a year. They deploy, test, and find new and interesting ways for beta software to fall down on its job. This process, which we lovingly call “dogfooding”, happens for nearly every major Microsoft product. Active Directory is always at the head of the (dog)pack. In this session, hear from actual Microsoft Architect Laura Hunter about how Microsoft’s internal IT manages testing and deploying new versions of Active Directory. You’ll hear her stories about the new features of Windows Server 2008 and R2, lessons that they learned along the way, and missteps you can avoid when doing your own deployments. Bring questions to this interactive and fun session!

TU15 **10 Things You Don’t Know (and Can Implement Immediately) about Windows Server 2008 R2—Introductory/Intermediate**

Mark Minasi

Tuesday, March 15: 3:15 – 4:30 p.m.

Okay, so maybe you’ve read about or even played around with Windows Server 2008 R2. You know a bit about Active Directory’s PowerShell cmdlets, DirectAccess, BranchCache and the new backup program. It’s all great stuff, but... did you know that R2’s the first print server whose spooler service WON’T crash just because a print driver failed? Or that R2’s DHCP server service has a cool new MAC filter feature, combined with helpful new support for split scopes? Well, that’s just the start. Ever needed to resize a VHD? R2’s got command-line support for that, as well as a whole new kind of built-in SMB cache. And of course you know that R2 shores up your system’s security by blocking those scary old 1980’s LM-type logons—but did you know that R2’s got the tools that you need to smoke out and stomp those persistent early 1990’s NTLM logons?

Join server geek Mark Minasi in a fast-paced review of all the R2 features that haven’t really gotten the attention they ought to, complete with demos and step-by-step instructions to try them out in your own network. Hey, what would be crazier than paying for a new server operating system and not squeezing all the juice out of it?

W1 **Windows Power Tools Treasury: Best of the Power Tools—Introductory/Intermediate**

Mark Minasi

Wednesday, March 16: 8:00 – 9:15 a.m.

Smart Windows administrators know that the only way to get the job done is to find the right tools, but so many interesting-looking tools are so poorly documented that no one’s got the time to figure out how to make them useful. What’s that you say, you’ve not had time to do that type of research? No problem: Mark’s here to offer a fast-paced, entertaining look at some of the best power tools he’s uncovered over the years. Come explore the power of sc.exe, the Swiss Army Knife of service tools, and its oddly excitable nature. See how you can unleash robocopy on your file transfer tasks, and still manage to get home in time for dinner. Learn some useful “stupid” Netmon tricks and discover how to smoke out Active Directory replication issues with repadmin, even if your company doesn’t allow smoking on the premises. And that’s just the start—don’t miss a chance to get a quick look AND some useful, accurate examples of a couple dozen of the most powerful Windows power tools!



W9 **The Secrets of Technical Talks: How to Explain Tech without Tucking—**
Introductory

Mark Minasi

Wednesday, March 16: 11:00 a.m. – 12:15 p.m.

One of the most essential professional skills in any organization is communication: you've got to be as successful in talking to the carbon units as you are in talking to the silicon units, or even your greatest ideas will fall on deaf ears. (At least that's the case until the silicon units start controlling salaries and budgets.) The sad fact, though, is that most of us hate the idea of presenting ideas and concepts, whether its giving a short training session on a new piece of software or its pitching a new IT project to the boss. People fear public speaking more than death, some authorities claim and that may be true, but that fear is easily fixed -- just learn twelve steps to effective presentation, and you'll find that giving talks can be a whole lot of fun. Today's tough economic times have led many of us to wonder what skills we'll need to stay in IT over the next five, ten or twenty years; come to this talk to improve, enhance and polish what may well be the most important of those skills. Join popular twenty-five-year veteran techie presenter Mark Minasi, five of whose talks TechEd 2008 attendees ranked in the top ten out of 450 presentations, as he explains The Twelve Tips To Topnotch Technical Talks in this fast-paced, entertaining and informative explanation of, well, how to give an explanation!



Conference Chair



Greg Shields — TechMentor Conference Chair

*MVP, vExpert
Concentrated Technology*

Greg is an independent author, speaker, and IT consultant, as well as a Founding Partner with Concentrated Technology.

With nearly 15 years in information technology, Greg has developed extensive experience in systems administration, engineering, and architecture specializing in Microsoft OS, remote application, and virtualization technologies. Greg is a Contributing Editor and columnist for TechNet Magazine, a former columnist for Redmond Magazine and Virtualization Review Magazine, and has authored or contributed to ten books and countless white papers and webcasts. His writing is regularly seen in publications like TechTarget online, e-books from Realtime Publishers, and the UK-based IT EXPERT Magazine. He has also produced numerous video training series for CBT Nuggets.

Advisory Council



Doug Barney

*Vice President/Editorial Director,
Enterprise Computing Group*

Doug Barney has been a technology journalist for nearly 20 years, serving as a writer, news editor, and editor in chief. Barney is Vice President/Editorial

Director of the 1105 Enterprise Computing Group. In the space of 25 months, Barney launched Redmond Magazine, Redmond Channel Partner, and Redmond Developer News. In late 2006, the Redmond Media Group acquired Fawcette Technical Publications, including Visual Studio Magazine. Barney was most recently Editor in Chief of Network Computing, a bi-weekly publication with over 220,000 subscribers.

Early in his career, Doug worked as senior editor, Microcomputing for Computerworld. While not breaking news about PC software makers such as Lotus and Microsoft, Doug managed the Microcomputing section of the newspaper. One career highlight was the debate that ran in print between Doug and Bill Gates over the future of PC operating systems. From there, Doug became editor in chief of AmigaWorld, a 100,000 circulation newsstand-driven publication. Doug snagged art and editorial contributions from such notable readers as Arthur C. Clarke and Todd Rundgren. Later, Doug

joined InfoWorld and once again covered PC software. There, Doug was the recipient of the Computer Press Association Award for Breaking News.

More recently Doug served as executive editor of News for Network World newspaper where he ran both print and on-line news operations. His very first story for the publication revealed that hate groups were using the Internet to recruit new members and to tie disparate groups together. The story also exposed calls for censorship from certain human rights groups. The piece was followed up by NBC, AP, The Wall Street Journal, The New York Times and was syndicated nationwide by NBC. Doug has also been a frequent guest on CNN, CNNfn, NECN, and NPR commenting about PC and networking technologies.



Lafe Low

*Editor in Chief,
TechNet Magazine*

Lafe Low brings 20 years of experience as a writer and editor to the team of TechNet Magazine. Low served in various editorial positions with inCider,

PC Games, InfoWorld and Redmond Magazine. While working for CIO, he was the 2001 Neal Award winner for best single feature, and served with the 2001 and 2002 ASBPE Magazine of the Year award-winning editorial and design team.



TechMentor Speakers



John Baker

Sr. IT Pro Evangelist, Microsoft Corporation

John started in computers many moons ago working on mainframes, some of which were water cooled. He quickly moved to mini-computers and then joined the PC revolution in the 1980's. He's been with Microsoft over 13 years, starting in consulting as an SMS 1.2 specialist and moving onto various technologist and pre-sales roles. He specializes in Windows Server 2008 Active Directory and Group Policy, System Center Configuration Manager 2007 and desktop and server deployment. In the last 8 years, John has presented at hundreds of TechNet events and many product launches. He is currently a Senior IT Pro Evangelist at Microsoft covering Maine to Florida. As an IT Pro, John loves how new products and technologies are always lurking around the corner. All this new technology presents a major learning challenge, which is why he recently updated his MCSE certification to the new MCITP Server Administrator and MCITP Enterprise Administrator certifications. When not evangelizing Microsoft products John loves to cook Indian food and scuba dive, though not necessarily at the same time.



J. Peter Bruzzese

Triple-MCSE/MCT/MCITP: Messaging, ClipTraining

J. Peter Bruzzese (Triple-MCSE/MCT/MCITP: Messaging) is the Director of Training for ClipTraining, provider of

on-demand, anywhere/anytime video training through the CT Learning Management System. In addition, Peter is a journalist for InfoWorld as their Enterprise Windows columnist and contributes regularly to Redmond Magazine, WindowsTPPro, TechTarget and a host of others. J.P.B. has over a dozen titles to his credit sold internationally with his latest book "Using Windows 7" hot off the presses. He welcomes email at jpb@cliptraining.com or visit his website for both free and subscription based training videos at www.cliptraining.com.



Yung Chou

Sr. IT Evangelist, Microsoft Corporation

Yung Chou is currently a Senior IT Evangelist at Microsoft.

His previous roles and responsibilities within the company include support account management, service deliveries, and a Technology Specialist. His professional interests include infrastructure as a service, virtual desktop infrastructure, and collaboration platforms. He has been a frequent speaker at Microsoft conferences, roadshows, and TechNet events.



James Conrad

Lead Instructor, CBT Nuggets

MCSE, Server+, A+, Certified Ethical Hacker is a sought-after consultant and trainer including those within the

Fortune 500. James has been an official contributor to the MCP program and was a key contributor in determining MCSE exam objectives in the Microsoft Certification and Skills Assessment division. James has trained and consulted for Intel, UCLA, Raytheon, Compaq, Hewlett-Packard, MCI Worldcom, Sprint, Exxon-Mobil, Boeing, Lockheed Martin, State Farm, US Department of Justice, Bureau of Land Management and many others. James also wrote the CompTIA Server+ college curriculum for Thomson Learning. James also served as the technical editor for Thomson Learning's Network+ college curriculum. James is currently the lead recruiter and instructor for CBT Nuggets, a leading Microsoft, Cisco, and Linux video training source.



Mike Danseglio

Author, Speaker and Consultant

Mike Danseglio has worked in the IT field for more than 20 years. Starting at the bottom allowed Mike to build experience in all aspects of the computer industry. He is an award-winning author, public speaker, and instructor on a variety of technology topics including security, virtualization, computer hardware, and complete IT lifecycle processes including planning, deployment, operation, consolidation, and decommissioning. His security work has included protecting militaries, government agencies, and private industry around the world. Mike holds numerous certifications and credentials but doesn't clutter up his bio that way. He is based in Redmond, Washington, a mere stone's throw from Microsoft's main campus.

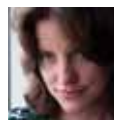


Jeff Hicks

MCSE, MCSA, MCT

Independent Author, Trainer and Consultant

Jeffery Hicks (MCSE, MCSA, MCT) is a Microsoft MVP and an IT veteran with almost 20 years of experience, much of it spent as an IT consultant specializing in Windows server technologies. He works today as an independent author, trainer and consultant. Jeff has co-authored or authored several books, courseware, and training videos on administrative scripting and automation. His latest book is Windows PowerShell 2.0: TFM (SAPIEN Press 2009). You can follow Jeff on twitter.com/jeffhicks and at jdhitsolutions.com/blog.



Laura Hunter

Principal Technology Architect, Microsoft Corporation

Laura E. Hunter is a Principal Technology Architect for Microsoft IT's Identity & Access Management team, responsible for determining architecture and strategy for Microsoft deployments of Active Directory, ADFS, Identity Management, PKI and RMS. In previous lives, Laura has been an Identity Management consultant, the Active Directory architect for a global engineering firm, and other assorted IT pursuits. Laura has a Bachelor's and Master's degree from the University of Pennsylvania. Laura is the author of the Active Directory Cookbook, 2nd & 3rd Editions, from O'Reilly Publishing, is an unrepentant ADFS technology zealot, and likes to talk about herself in the third person when providing auto-biographical information. She blogs at <http://www.shutuplaura.com>, and Twitters (tweets? She's not cool enough to know the verb form of Twitter) @adfskitteh.



Don Jones

Microsoft MVP

Concentrated Technology

Don Jones has more than a decade of professional experience in the IT industry. He's the author of more than 30 IT books, including Windows PowerShell: TFM; VBScript, WMI, and ADSI Unleashed; Managing Windows with VBScript and WMI; and many more. He's a top-rated and in-demand speaker at conferences such as Microsoft TechEd and TechMentor, and writes the monthly Windows PowerShell column for Microsoft TechNet Magazine. Don is a multiple-year recipient of Microsoft's Most Valuable Professional (MVP) Award with a specialization in Windows PowerShell. Don's broad IT experience includes work in the financial, telecommunications, software, manufacturing, consulting, training, and retail industries and he's one of the rare IT professionals who can not only "cross the line" between administration and software development, but also between IT workers and IT management.



Ed Liberman

Instructor, Train Signal

Ed Liberman (MCP, MCSA, MCSE, MCDST, MCT, MCTS, MCITP, A+, Network+, Server+) has worked in technology for 18 years and has been certified and instructing IT since 1998. He's helped thousands of people get started or advance their careers in the IT industry. When not in the classroom, he is out helping corporations with their network infrastructure as an independent consultant. Ed's teaching style encourages you to have fun while you learn. Ed also volunteers his time in his local community as a math tutor for struggling grade school children.



Bruce Mackenzie-Low

Master Consultant, Hewlett-Packard

Bruce Mackenzie-Low, MCSE, is a master consultant at HP providing 3rd level worldwide support on Microsoft Windows based products specializing in Clusters and Crash Dump Analysis. With over 25 years of computing experience at Digital, Compaq and HP, Bruce is a well known resource for troubleshooting highly complex problems involving clusters, storage, networking and internals. He has taught extensively throughout his career always leaving his audience energized with his enthusiasm for technology.



Mark Minasi

IT Consultant, Author, Speaker, MR&D

Mark Minasi is a best-selling author, popular technology columnist, commentator, keynote speaker, and IT consultant. Mark's written over a thousand computer columns and several dozen best-selling technical books, explaining operating system and networking planning, installation, maintenance and repair to crowds from two to two thousand. An independent voice hailed as "Favorite Technical Author" by CertCities four times out of four, Mark takes even the most technical topics, filters out the hype and explains them in plain English.

Mark is probably best known for his Mastering Windows Server and Complete PC Upgrade and Maintenance Guide books, both of which have seen more than 12 editions and sold over a million copies.

His humorous, provocative and yet informative style makes him a favorite of audiences around the world. Mark's firm, MR&D, is based in Virginia's Tidewater area.



Jeremy Moskowitz

Chief Propeller-Head, www.GPanswers.com

Jeremy Moskowitz, Group Policy MVP, is the Chief Propeller-Head for www.GPanswers.com, a community forum to get tough Group Policy questions answered. GPanswers.com was ranked as the "Top 20" resource for Microsoft professionals by Computerworld Magazine. Jeremy has authored the popular Group Policy: Management, Troubleshooting, and Security (Sybex). Jeremy frequently contributes to Windows IT Pro Magazine, and Microsoft TechNet Online. Jeremy teaches Group Policy intensive training and workshop classes all over the world. Learn more at www.GPanswers.com/workshop.



Justin Rodino

Consultant, Speaker, Author

Justin Rodino, MVP, MCT, CCNA, has specialized in deployment as a consultant, speaker, trainer and writer for over 20 years. Justin's expertise has been sought by mom-and-pop shops with less than 10 computers to Fortune 500 companies with 25,000+ desktops, in order to help streamline their complex deployment projects. His career began speaking as a guest lecturer at Purdue University, he was a keynote and returning speaker at Altiris ManageFusion, and most recently has spoken at various Microsoft TechEd conferences around the world. As well as specializing in deployment, Justin writes books on various Microsoft technologies including Office and Windows Home Server. Justin enjoys sharing his knowledge and enthusiasm for technology by speaking at community events, blogging on various technical topics and helping others make sense of complex issues by explaining them in plain English. Through analogies and humor his presentations are both informative and enjoyable for all.



Bruce Rougeau

MCSE, MCT, MCP+Internet, CCMA

Bruce Rougeau, MCSE, MCP+I, MCT, Citrix Certified MetaFrame Administrator, has been working in data processing for over 25 years. Bruce began his career as a developer and has focused his past 13 years in computing infrastructure ranging from mainframes to terminal servers. Currently, Bruce leads a team of engineers that support a manufacturing facility. Bruce has spoken at TechMentor since 2000 focusing on terminal services and the administration skills. Teaching is the best job Bruce has ever had and he brings a lot of knowledge, experience, and excitement to each session.



Alan Sugano

President, ADS Consulting Group

Alan is the President of ADS Consulting Group, Inc. (ADS). Founded in 1991, ADS specializes in Networking, Server Virtualization, Workstation Virtualization, Application Virtualization, Security, Exchange, Custom Programming, Web Development, SharePoint and SQL Server Development. Alan has given talks on Virtualization, Storage, Network Audits/Security, Troubleshooting, Server Selection, Network Documentation, Network Management, Network Design and Topologies, SQL Databases, and Disaster Recovery. He speaks twice a year at the WinConnections Conferences sponsored by Windows IT Pro Magazine.

Alan is a Contributing Editor for Windows IT Pro and has articles published in the magazine several times a year. He wrote a book titled the Real-World Network Troubleshooting Manual, which is a practical guide to network troubleshooting. Alan has been a Microsoft Most Valuable Professional (MVP) in Connected System Developer from 2004 to 2008. For more information on Alan you can visit <http://www.google.com/search?hl=en&q=alan+sugano>.



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TECHMENTOR PROCEEDINGS BOOK INCLUDES	Conference agenda, session slides, and space for taking notes \$35
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Registration will be confirmed by e-mail. You'll receive a message as soon as payment has been received and your registration has been processed.

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