TECHMENTOR CONFERENCES

AUGUST 20-24
MICROSOFT HQ
REDMOND, WA

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FOR IT PROS

TechMentor 2012 Tracks

- ▸ Virtualization
- ▸ Managing an Application Delivery Infrastructure
- ▸ MCITP Certification
- ▸ Security Tactics for Servers and Wireless Networks
- ▸ Microsoft Exchange & SQL Server
- ▸ Windows Deployment, Servers & Desktops
- ▸ Windows PowerShell
- ▸ Microsoft TechNet Day—Deployment, Management, Windows 8, Windows Server 2012, Virtualization and Application Delivery

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TECHMENTOR CONFERENCES
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CONFERENCES

A Message from the Co-Chairs/Don Jones & Greg Shields

Another year and more technology to learn, how can a person keep up?

Sometimes, you've got to step away from everything if you're to learn anything. The IT conference still remains the best solution for staying current on new tactics and technologies. That's why TechMentor celebrates its fourteenth year by partnering with Microsoft this August. Are you ready for technology training, right from the source?

We're Don Jones and Greg Shields, and we're excited to be your TechMentor Conference Co-Chairs. This year's conference, held right at the source on Microsoft's Redmond campus, is quite possibly our best program yet to prepare you for immediate impact on your IT challenges.

The TechMentor experience is unique in the IT conference world. We're not big, and you're not anonymous. Attending TechMentor is a small-group mentoring experience on real-world issues, not an auditorium-sized showcase of bleeding-edge products out of your reach. Only at TechMentor do you get one-on-one access to today's top IT trainers, and direct access to Microsoft Product Managers. With them, you'll learn a lot while also sharing in the direction of today's most important technologies.

For some of us, the hard part is in getting the approval to go. Let us help you out! Check out the next page for our top ten reasons why attending TechMentor is the smartest use of your training dollars.

TechMentor is indeed a conference like no other. Tight-knit, high-energy, unparalleled training, all with the world's most experienced presenters. This year's Redmond, WA location isn't to be missed. We guarantee no boring sessions at our show, so prepare for an experience you won't soon forget. That's why so many of our attendees keep coming back year after year.

See you in Redmond!

Don Jones & Greg Shields
TechMentor Conference Chairs

10 REASONS TO ATTEND TECHMENTOR 2012

1 Supercharge your IT Skills
With the choice of over 70 sessions in 8 focused tracks, TechMentor allows you to create a custom 5-day agenda that best fits your needs.

2 Live like a Blue Badge
For the first time ever, TechMentor will be held at Microsoft Headquarters in Redmond, WA. Take advantage of this opportunity to get inside the technological mecca!

3 Expert Advice to Everyday Problems
In sessions, workshops, keynotes and networking events, you'll have access to the expertise of independent IT veterans and Microsoft insiders dedicated to helping you answer your most difficult questions. Walk away with real-world solutions to your everyday IT problems that you can implement immediately within your organization.

4 Learn PowerShell in 1 day
Become a PowerShell expert – join Microsoft MVP Don Jones for this in-depth hands-on training session. In just a few short hours, you'll learn how to do amazing things with Windows Powershell and avoid the pitfalls that confuse and discourage most newcomers.

5 Kick Start Your MCITP Server Administrator Certification
Champions of the not-yet-certified, Bruce Rougeau and James Carrion have long been helping IT Pros like you prep for testing. In seven sessions and deep-dive workshops, you'll explore all the topics you'll need to ace those critical exams.

6 Microsoft TechNet Day
Only TechMentor delivers a full day of front-row access to Microsoft's most esteemed engineers, developers and product managers. Hear about Windows 8, System Center 2012, Hyper-V v3 and more – directly from the people who designed them.

7 The Best of the Best
The speakers at TechMentor are some of the best in the business. Don't miss you chance to learn from experts such as Microsoft Principal Technology Expert Laura Hunter, IT Consultant and popular TechMentor speaker Mark Minasi, Microsoft Sr. IT Evangelist Yung Chou, and TechMentor Conference Co-Chair Greg Shields.

8 Boost Your IT Investment
Join your fellow IT colleagues in focused discussions, exercises and tutorials to combat inefficiencies in your organization. You will learn current trends and best practices to help save your company time and money.

9 Only One Chance
In 2012, TechMentor is hosting just ONE event! Make sure you don't miss the best education an IT Pro can find in the coolest location possible.

10 No IT Pro Left Behind
With all the new and improved aspects of TechMentor, attendees will leave with the most up-to-date information on topics such as: Windows 8, Windows Server 8 & 2012, MCITP Training, Virtualization, Cloud Computing and much more. Leave TechMentor ready to be the best IT Pro you can be!

TechMentorEvents.com
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Activities & Special Events

Access to the Microsoft Company Store

You bring the money, we get you special access!*

▶ **Monday, August 20, 12:00 - 2:30 p.m.**
▶ **Thursday, August 23, 12:15 - 2:45 p.m.**

All TechMentor Redmond event attendees will have the opportunity to visit the Microsoft Company Store during their time at the conference and have access to the employee-only discount area. The company store's discount area is typically only open for Microsoft employees to purchase select Microsoft products at discounted prices, so you won't want to miss out on this great opportunity!

Popular home-use software titles such as Windows 7, Office 2010, Office for Mac, and Streets and Trips are available. XBOX 360 accessories and a selection of XBOX games are offered at significant savings. At the Redmond campus location, you will find one of the largest selections of Microsoft-branded PC hardware in any retail store. PC Hardware offered includes Keyboards and desktop sets, Mice, Webcams and more.

TechMentor Redmond event attendees will qualify for a pass that allows them access to the special discounts normally reserved only for Microsoft employees. Due to the amazing deals, each attendee is allowed to spend up to a maximum of $120.

*Restrictions apply; including but not limited to the following:

• Attendees will be given a voucher/form that allows them access to the employee only discount area to spend up to $120 of their own money on select Microsoft products.

• All attendees must have a valid driver's license that matches the name on the voucher.

• If using a credit card for payment, the name on the card must match the name on your voucher and identification.

• If you are employed by a government agency or a school or university, you are not eligible for the discount pass due to Microsoft policy

Activities & Special Events (continued)

Visit the Microsoft Visitor Center

The Microsoft Visitor Center is open to all employees and visitors to the Microsoft campus. Come share in the excitement of their discoveries, explore some of the latest products, and meet some of the people whose ideas and creativity make Microsoft a world leader in computer and software industry.

Meet the IT Pros

Let's face it — our talented team of speakers is the main reason you head to TechMentor events. They share your interest in the latest technologies while refusing to abandon challenging applications out there already. So why not get to know them in a different light during the breaks and networking opportunities we have planned for you in Redmond? Kick back with the people who love sharing their knowledge and experience to help you get where you want to be professionally.

Lunch with the Blue Badges

Monday, August 20, 12:00 – 2:30 p.m.
Thursday, August 23, 12:15 – 2:45 p.m.
On Monday and Thursday, TechMentor attendees will have the opportunity to have lunch with the Blue Badges at The Mixer, the Microsoft employee lunch area with over 10 different restaurant options to choose from. These two extended lunch periods are also the perfect time to visit the Microsoft Visitor Center and the Microsoft Company Store. Shuttle service to and from the Commons, as well as a pre-loaded Microsoft "e-card" will be provided as part of your TechMentor registration.

Microsoft Ask the Experts & Welcome Reception

Tuesday, August 21, 4:45 – 7:00 p.m.
TechMentor Redmond's Welcome Reception will be combined with a two-hour Microsoft "Ask the Experts" session, where you'll get a chance to talk with Microsoft product team members and speakers. Enjoy drinks and snacks while you explore the TechMentor Exhibit Hall, network with fellow attendees and get answers to your questions for the experts.

TECHMENTOR CONFERENCES

Agenda at a Glance

For the complete session schedule and full session descriptions, please check the TechMentor web site at www.techmentorevents.com

Windows Deployment, Servers and Desktops	Managing an Application Delivery Infrastructure	Smarter Administration for Windows	Learn the Secrets of How Microsoft Does IT	MCITP Certification Skills Refresher	Security Tactics for Servers	Microsoft TechNet Day	Mastering Windows PowerShell	Becoming a Microsoft Virtualization Expert

START TIME	END TIME	TechMentor Pre-Conference Workshops: Monday, August 20, 2012 *(Separate Entry Fee Required)*		
7:30 am	9:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries		
9:00 am	12:00 pm	**MWK1** - Half-Day Workshop: Completely Automating Windows Deployment in Seventeen Steps (or Less!) - *Greg Shields*	**MWK2** - Full-Day Workshop: Kickstarting Your Certification - Get Ready for the 70-640 Exam! - *James Carrion*	**MWK3** - Full-Day Workshop: J. Peter Bruzzese's SharePoint in a Day: For the Non-SharePoint IT Pro - *J. Peter Bruzzese*
12:00 pm	2:30 pm	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center		
2:30 pm	5:30 pm	**MWK4** - Half-Day Workshop: Using Ethical Hacking to Improve Your Security - *Doug Warden*	**MWK2** - Full-Day Workshop: Kickstarting Your Certification - Get Ready for the 70-640 Exam! (continued) - *James Carrion*	**MWK3** - Full-Day Workshop: J. Peter Bruzzese's SharePoint in a Day: For the Non-SharePoint IT Pro (continued) - *J. Peter Bruzzese*

START TIME	END TIME	TechMentor Day 1 - Microsoft TechNet Day: Tuesday, August 21, 2012				
7:00 am	8:00 am	Registration - Coffee and Morning Pastries				
8:00 am	9:00 am	Keynote: Windows Azure Internals: A Look at How Windows Azure Operates Under the Hood *Mark Russinovich, Technical Fellow, Microsoft*				
Focus		Deployment	Management	Windows 8	Windows Server 2012	Virtualization and Application Delivery
9:15 am	10:30 am	**MS01** - Microsoft Deployment Toolkit (MDT) 2012 - *Michael Niehaus*	**MS02** - PowerShell v3 - *Ashley McGlone*	**MS03** - What's New in Windows 8 - *Chris Avis*	**MS04** - New PowerShell Cmdlets in Windows Server 2012 - *Rick Claus*	**MS05** - Hyper-V in Windows Server 2012 - *Harold Wong*
10:45 am	12:00 pm	**MS06** - Deploying Windows 8 - *Michael Niehaus*	**MS07** - What's New in Configuration Manager 2012 - *Wally Mead*	**MS08** - Windows 8 Networking - *Scott Roberts*	**MS09** - Dynamic Access Control - *Rick Claus*	**MS10** - System Center Virtual Machine Manager 2012 - *Symon Perrimon*
12:00 pm	2:00 pm	Lunch - Visit Exhibitors				
2:00 pm	3:15 pm	**MS11** - Deploying Server Core - *Harold Wong*	**MS12** - What's New in Operations Manager 2012 - *Chris Avis*	**MS13** - Windows 8 Security - *Dustin Ingalls*	**MS14** - IP Address Management - *Rick Claus*	**MS15** - Private Cloud - *Symon Perrimon*
3:30 pm	4:45 pm	**MS16** - Office Deployment - *Jeremy Chapman*	**MS17** - Managing Windows 7, Windows 8, iOS and Android Clients - *Deb McFadden*	**MS18** - Windows 8 and Virtualization - *Yung Chou*	**MS19** - What's New in Active Directory - *Rick Claus*	**MS20** - RDS, RDV, and VDI - *Adam Carter*
4:45 pm	7:00 pm	Microsoft Ask the Experts & Welcome Reception				

Sessions and speakers subject to change

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Agenda at a Glance (continued)

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Windows Deployment, Servers and Desktops	Managing an Application Delivery Infrastructure	Smarter Administration for Windows	Learn the Secrets of How Microsoft Does IT	MCITP Certification Skills Refresher	Security Tactics for Servers	Microsoft TechNet Day	Mastering Windows PowerShell	Becoming a Microsoft Virtualization Expert

START TIME	END TIME	TechMentor Day 2: Wednesday, August 22, 2012				
7:30 am	8:00 am	**Registration** - Coffee and Morning Pastries				
8:00 am	9:00 am	**Keynote:** The Flexible Workstyle - The Future of Managing and Supporting the Needs of IT and End Users - *Stephen L. Rose, Sr. Community Manager, Microsoft*				
9:15 am	10:30 am	**W01** - Completely Automating Software Installation, the Ridiculously Easy Way - *Greg Shields*	**W02** - J. Peter Bruzzese Presents: The Very Best Windows 8 Tips, Tricks, and Tools - *J. Peter Bruzzese*	**W03** - Extend your Exchange On-Premises Organization into the Cloud - *Mike Pfeiffer*	**W04** - Building Native VHD Multi-Boot Configurations for Windows 7 and 8 - *Gary Olsen*	**W05** - IPv6 Bootcamp - Your 75-Minute Prep for Tomorrow's Networking, Today - *Edward Horley*
10:45 am	12:00 pm	**W06** - Automatically Migrating User Profiles During an OS Refresh - *Greg Shields*	**W07** - Designing High Availability into Microsoft Exchange 2010 - *J. Peter Bruzzese*	**W08** - Key PowerShell Techniques Every Exchange Administrator Should Know - *Mike Pfeiffer*	**W09** - Using Free Tools for Trouble-shooting Windows Performance Problems - *Bruce Mackenzie-Low*	**W10** - Advanced IPv6 Design and Deployment in a Microsoft Enterprise Network - *Edward Horley*
12:00 pm	1:30 pm	**Birds-of-a-Feather Lunch** - Visit Exhibitors				
1:30 pm	2:45 pm	**W11** - Using Free Tools to Resolve (Almost) any Application Compatibility - *Greg Shields*	**W12** - Demystifying Wireless Windows Networking - *Avril Salter*	**W13** - Communicating in the Cloud with Lync Online - *Mike Pfeiffer*	**W14** - Configuring Bullet-Proof Windows Failover Clusters - *Bruce Mackenzie-Low*	**W15** - Advanced Tips and Tricks in Controlling Windows 7 Devices - *Sami Laiho*
3:00 pm	4:15 pm	**W16** - A Practical Guide to Remote Desktop Services Internals - *Ed Liberman*	**W17** - Planning, Deploying, and Operating Wireless Networks with Windows Server - *Avril Salter*	**W18** - Active Directory in Server 8: New Tools, New Ideas, Old Tasks... Simplified! - *Mark Minasi*	**W19** - How to Analyze your Own BSODs: Tips, Tricks, and Tools the Pros Use - *Bruce Mackenzie-Low*	**W20** - Surviving without Administrative Rights: Real-World Solutions for a Really Tough Problem - *Sami Laiho*
4:15 pm	4:45 pm	**Sponsored Break** - Visit Exhibitors				
4:45 pm	6:00 pm	**W21** - Best Practices in Delivering Applications to Mobile Workers with Tools you Already Have - *Ed Liberman*	**W22** - Wireless Sniffing for IT Pros (and not Hackers!) - *Avril Salter*	**W23** - Rebuilding Steady State: Tips and Free Tools for Creating a More Robust Windows - *Mark Minasi*	**W24** - Smart Solutions for Conquering Crashing Applications - *Bruce Mackenzie-Low*	**W25** - Securing Windows 7 in 7 Easy Steps - *Sami Laiho*
8:00 pm	10:00 pm	**Evening Event @ Lucky Strikes Bellevue**				

Sessions and speakers subject to change

Agenda at a Glance (continued)

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Windows Deployment, Servers and Desktops	Managing an Application Delivery Infrastructure	Smarter Administration for Windows	Learn the Secrets of How Microsoft Does IT	MCITP Certification Skills Refresher	Security Tactics for Servers	Microsoft TechNet Day	Mastering Windows PowerShell	Becoming a Microsoft Virtualization Expert

TechMentor Day 3: Thursday, August 23, 2012

START TIME	END TIME					
7:30 am	8:00 am	Registration - Coffee and Morning Pastries				
8:00 am	9:15 am	T01 - A Crash Course in Private Cloud: Getting Ready for the New Datacenter - *Yung Chou*	T02 - Conducting a Forensic Computer Investigation: Essential Skills for IT Staff - *Mike Danseglio*	T03 - Understanding and Trouble-shooting the Kerberos Protocol for Windows Admins - *Gary Olsen*	T04 - Don Jones' No-Scripting, No-Programming PowerShell Crash Course - *Don Jones*	T05 - MCITP 70-646 Planning for Server Deployment - *Bruce Rougeau*
9:30 am	10:45 am	T06 - Understanding (and Appreciating) the Windows Azure Platform for IT Professionals - *Yung Chou*	T07 - Session To Be Announced	T08 - Private Clouds and your Organization: Excedrin for the IT Pro - *Mark Minasi*	T09 - PowerShell Remoting in Depth + Troubleshooting - *Don Jones*	T10 - MCITP 70-646 Planning for Server Management and High Availability - *Bruce Rougeau*
11:00 am	12:15 pm	T11 - Easy Steps for Enabling Portable Data Security: Laptops, USB Drives, and More - *Mike Danseglio*	T12 - Session To Be Announced	T13 - Manage and Monitor your Network Anytime, Anywhere, on Any Device with PowerShell Web Access - *Jason Helmick*	T14 - Managing SQL Server for the Reluctant DBA - *Don Jones*	T15 - MCITP 70-646 Monitoring/Maintaining Servers and Planning for Business Continuity - *Bruce Rougeau*
12:15 pm	2:45 pm	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center				
2:45 pm	4:00 pm	T16 - Preventing Attacks from Employee Home Networks - *Mike Danseglio*	T17 - Active Directory Health Assessment and Troubleshooting - Five Answers You'd Otherwise Pay For - *Gary Olsen*	T18 - Secure any IIS 8 Server in 5 Easy Steps - *Jason Helmick*	T19 - How Does your Active Directory Stand up to Microsoft's? - *Laura Hunter*	T20 - MCITP 70-646 Planning Application and Data Provisioning - *Bruce Rougeau*
4:15 pm	5:30 pm	T21 - Tactics in Keeping Bad Hardware Off Your Network - *Mike Danseglio*	T22 - Bend R2's Active Directory to Your Will - *Mark Minasi*	T23 - Five Real and Relative Tricks for Automatically Provisioning an IIS 8 Web Farm - *Jason Helmick*	T24 - Active Directory Federation Services: Why You Should Care, and What You Should Know - *Laura Hunter*	T25 - MCITP Exam Prep for 70-646 - *Bruce Rougeau*
5:45 pm	6:30 pm	TechMentor Conference Wrap-Up				
		Don Jones (Moderator), Mike Danseglio, Jason Helmick, Laura Hunter & Bruce Rougeau				

TechMentor Post-Conference Workshops: Friday, August 24, 2012 *(Separate entry fee required)*

START TIME	END TIME		
7:30 am	8:00 am	Registration - Coffee and Morning Pastries	
8:00 am	11:00 am	FWK1 - Half-Day Workshop: MCITP 70-642 Windows Server 2008 Network Infrastructure - *Bruce Rougeau*	FWK2 - Full-Day Workshop: Learn PowerShell in a Day - *Don Jones*
11:00 pm	12:00 pm	Lunch	
12:00 pm	4:00 pm	FWK3 - Half-Day Workshop: Desktop Computing as a Service with RDS, VDI, and App-V - *Yung Chou*	FWK2 - Full-Day Workshop: Learn PowerShell in a Day (continued) - *Don Jones*

Sessions and speakers subject to change

TechMentor Workshops

Begin and end your week at TechMentor with these in-depth full and half-day workshops.

MWK1 - Half-Day Workshop: Completely Automating Windows Deployment in Seventeen Steps (or Less!)
Greg Shields
Monday, August 20: 9:00am – 12:00pm

Your Windows 7 preparation is over and it's time for rapid deployment! Yet while you're excited about your migration, you probably still remember that last upgrade. Deploying Ghost images were easy back then, but they weren't very flexible. You want deployment from a single image, with every computer starting from one golden master. You also want better naming, giving each computer the correct name the moment it's deployed. Most importantly, you want the entire process automated so you're not sitting around waiting to click buttons. You can have all this and more with Microsoft's free Windows Deployment Services.

Microsoft MVP Greg Shields has been rapidly deploying Windows computers for over a decade. In this session full of real-world tactics, you'll learn the secret tricks for creating that single image that installs everywhere. You'll find WDS' hidden solution for automatic naming. You'll learn the tricks you absolutely must know to automate Windows installation. And you'll leave with everything

you need to return home and begin deploying Windows 7 immediately.

Are you're ready for Windows deployment, but not ready for the learning curve? Save yourself weeks of time and participate in Greg's learn-it-all half-day marathon. You'll walk away with Greg's seventeen steps in completely automating Windows deployment.

MWK2 - Full-Day Workshop: Kickstarting Your MCITP Server Administrator Certification: Get Ready for the 70-640 Exam!
James Carrion
Monday, August 20: 9:00am – 5:30pm

If your next certification goal is to achieve MCITP Server Administrator, then this jam packed session should be your starting point. Exam 70-640: Windows Server 2008 Active Directory, Configuring is one of the three exams you will need to pass to

add the MCITP:Server Administrator designation to your resume. 70-640 is arguably one of the most difficult exams to pass on the Server Administrator track because of the breath of Active Directory concepts that you are tested on. You will not only need to be well versed in the core concepts of Active Directory Domain Services but also in related services such as DNS, AD Certificate Services, AD Lightweight Directory Services, AD Rights Management Services and AD Federation Services.

Presenter James Carrion has helped thousands of IT Professionals achieve their Microsoft certification goals. A Microsoft Certified Master in Active Directory R2, James will deep dive into the areas of Active Directory services that confound many taking the 70-640 exam and will also provide valuable tips for analyzing test questions and how to achieve a passing score. Even if you think you know Active Directory well, any knowledge gaps you have will be filled in by this comprehensive session of learning infusion. Fast paced yet easy to follow, James laid back training style will help you to pass 70-640 and be well on your way to achieving your MCITP: Server Administrator certification.

▶ *You will learn:*
- Active Directory from 30,000 feet up and falling to terminal learning velocity

- Essential points you must know to pass exam 70-640
- How to analyze a Microsoft test question and get to the correct answer
- How to achieve a passing score on exam 70-640

MWK3 - Full-Day Workshop: J. Peter Bruzzese's SharePoint in a Day: For the Non-SharePoint IT Pro - Introductory/ Intermediate
J. Peter Bruzzese
Monday, August 20: 9:00am – 5:30pm

IT Admins are so busy trying to figure out every new piece of technology out there that they rarely have time to become an expert of any these days. A thin economy has created stretched IT budgets and jack-of-all-trade admins. This session will help make you a SharePoint Expert in one day. Seriously! One day is all I need to bring you from Zero to Hero in the world of SharePoint.

"This conference is one of the best I have attended."

▶ *You will learn:*

- Installation Options (Fresh Installs or Migrations)
- Configuration Options (getting SharePoint up and running)
- High End Features (Remote BLOB, Web Apps and more)

MWK4 - Half-Day Workshop: Using Ethical Hacking to Improve Your Security – Intermediate
Doug Warden
Monday, August 20: 2:30pm – 5:30pm

Ever wonder how difficult it would be for a hacker to steal a password or gain access to a server? What could someone do to your server if they got unauthorized access? Let's try it on our own machine and find out!

The answer depends: sometimes it is jaw droppingly easy for an attacker, and sometimes it's much more difficult than people think. Wouldn't it be useful to know when it's easy and when it's hard for attackers so you could focus your security actions on the low hanging fruit? This session will give you a lot of information about what you need to worry about.

We'll look at a number of methods that you can use to test the security of your systems and evaluate how secure they really are.

We'll look at things like; local password cracking, reverse bind shells, man-in-the-middle attacks, dumping cached information, and capturing credentials on the wire.

Taking what we can learn from doing this, we can then take a look at simple and (often) free solutions to improve the security of your network. Let's face it, your security will never be perfect, but there are many simple things you can do to make it better. The most important tools you need are probably already in place, you just need to understand the risks and how to configure those tools to protect yourself.

▶ *You will learn:*

- See a demonstration of ethical hacking tools that can be used to check the security of your systems. This will allow attendees to become aware of tools that attackers can use and how available they are.
- Discuss the theory behind these attacks - why they work, and what you can do about it. In understanding what makes an attack possible, it provides a roadmap for what needs to be done to protect yourself.
- We'll generate a practical list of security actions which can be done on your network after the conference based on what we learn. Most of these things are simple and cheap to implement and can provide instant improvement on the security of your network.

FWK1 - Half-Day Workshop: MCITP 70-642 Widows Server 2008 Network Infrastructure Introductory / Intermediate
Bruce Rougeau
Friday, August 24: 8:00am – 11:00am

A network infustructure is the fundamentals of any IT solution, and is a requirement to becoming an MCITP. This session will cover the following exam concepts:

- Configuring IPv4 and IPv6 Addressing
- Configuring DHCP
- Understanding Routing
- Configuring DNS server, Zones, Records, Replication and Name resolution for client computers.
- Configure Network Policy Server

FWK2 - Full-Day Workshop: Learn PowerShell in a Day
Don Jones
Friday, August 24: 8:00am – 4:00pm

Want to do AMAZING things with Windows PowerShell? In just a few short hours, you will. Based on his enormously popular book, "Learn Windows PowerShell in a Month of Lunches," this full-day workshop from columnist and MVP Don Jones brings you deep into the heart of PowerShell. Learn how the pipeline really works, and how to master it to write powerful one-line commands instead of hundred-line scripts. Become a report machine, producing formatted reports and sending them automatically. Avoid the pitfalls that confuse and discourage most newcomers. Tap into the power of WMI. Even learn to turn your

own commands into reusable tools that you can share with peers and colleagues. Best of all, you'll learn one of the industry's best-kept secrets: How to make PowerShell teach you how to use itself!

FWK3 - Half-Day Workshop: Desktop Computing as a Service with RDS/VDI/App-V – Advanced
Yung Chou
Friday, August 24: 12:00 pm – 4:00 pm

Virtual Desktop Infrastructure (VDI) is an emerging desktop computing model where a Windows client operating system runs in server-based virtual machines (VMs) in a data center and interacts with the user's client device such as a PC or a thin client via Remote Desktop Services (RDS). Application Virtualization (App-V) is an application deployment vehicle with application streaming, which eliminates the need to have applications locally installed. By combining App-V and VDI, an authorized user can now access a (personal or shared) desktop with authorized applications on demand from almost any device. This workshop presents a technical introduction of what it is and a hands-on opportunity to learn how it works. An experienced Windows infrastructure specialist will gain the technical insights and operational experience to build a test lab by attending this session.

▶ *You will learn:*

- Know RDS/VDI/App-V technologies and the integrations among them
- Be able to build a test lab with RDS/VDI/App-V

> "There was a good selection of sessions and tracks. They were all very relevant to my responsibilities and challenges that I work with everyday."

Microsoft TechNet Day

Get the straight scoop on Microsoft's latest technologies, directly from Microsoft's most esteemed engineers, developers, and product managers.

DEPLOYMENT

MS01 - Microsoft Deployment Toolkit (MDT) 2012
Michael Niehaus
Tuesday, August 21: 9:15am – 10:30am

Microsoft Deployment Toolkit (MDT) 2012 is the newest version of Microsoft Deployment Toolkit, a Solution Accelerator for operating system and application deployment. MDT 2012 supports deployment of Windows 7, Office 2010 and 365, and Windows Server 2008 R2 in addition to deployment of Windows Vista, Windows Server 2008, Windows Server 2003, and Windows XP. Come learn how to use this toolkit effectively from an industry expert, Michael Niehaus.

MS06 - Deploying Windows 8
Michael Niehaus
Tuesday, August 21: 10:45am – 12:00pm

Join Michael Niehaus for another great deployment session with an emphasis on the Windows 8 client operating system. Learn what's new in the deployment tools and techniques as they relate to deploying the new operating system.

MS11 - Deploying Server Core
Harold Wong
Tuesday, August 21: 2:00pm – 3:15pm

Server Core, a minimal installation option for Windows Server, only the essential capabilities for a given workload are installed, resulting in a more reliable, secure server that is optimized for running the most demanding applications and services, and that requires less patching and servicing. Join Harold Wong as he describes the tools and techniques for deploying Windows Server Core.

MS16 - Office Deployment
Jeremy Chapman
Tuesday, August 21: 3:30pm – 4:45pm

Interested in desktop deployment? Come join deployment expert Jeremy Chapman for a session on deploying Microsoft Office. Jeremy is intimately familiar with the deployment of our desktop operating systems and applications so be sure to come hear all about the latest tools and techniques.

MANAGEMENT

MS02 - PowerShell v3
Ashley McGlone
Tuesday, August 21: 9:15am – 10:30am

You've heard the excitement around PowerShell v3, but what's all the fuss about? In this session you'll find out where to get the preview download and what you can unleash with it. With over 2,300 cmdlets there will be fun for everyone in Windows 8. Discover the new Show-Command GUI cmdlet composer. See how to manage non-Windows systems with the new CIM cmdlets. Learn how to leverage the new Scheduled Background Jobs. Manage your machines anywhere in the world with PowerShell Web Access. Find out how PowerShell Workflows will take automation and remoting to the next level. Join Ashley McGlone for an exciting PowerShell session.

MS07 - What's New in Configuration Manager 2012
Wally Mead
Tuesday, August 21: 10:45am – 12:00pm

The boundaries between work and life have blurred, and people expect consistent access to corporate services from wherever they are, on any device they're using—desktops, laptops, smartphones, and tablets. How do you manage this influx of devices while still maintaining the compliance and data protection needs of the enterprise? Join Wally Mead and learn what is new in System Center 2012 to help you manage these diverse environments and devices.

MS12 - What's New in Operations Manager 2012
Chris Avis
Tuesday, August 21: 2:00pm – 3:15pm

System Center 2012 Operations Manager provides infrastructure monitoring that is flexible and cost-effective, helps ensure the predictable performance and availability of vital applications, and offers comprehensive monitoring for your datacenter and cloud, both private and public. Join Chris Avis as he discusses and demonstrates the power of Operations Manager 2012.

MS17 - Managing Windows 7, Windows 8, iOS and Android Clients
Deb McFadden
Tuesday, August 21: 3:30pm – 4:45pm

As demonstrated at Microsoft Management Summit 2012, System Center manages more than just the Windows operating system. Come hear form Deb McFadden about the diverse client base the System Center team is developing capabilities for.

WINDOWS 8

MS03 - What's New in Windows 8
Chris Avis
Tuesday, August 21: 9:15am – 10:30am

How people do their work in has changed dramatically during the last decade. Today's users have access to latest technology in their personal lives, and are increasingly technically savvy. Device proliferation, form factors and capabilities of the modern devices as well as explosion of social media technologies constantly push user expectations of technology to the new limits As a result, people increasingly have a say in what technology they use at work and they expect technology to support their needs, preferences and individual work styles. Join Chris Avis as he discusses Windows 8 and the re-imagined client operating system.

MS08 - Windows 8 Networking
Scott Roberts
Tuesday, August 21: 10:45am – 12:00pm

Interested in learning how the wireless networking stack has been re-engineered to support new broadband and Wi-fi

scenarios? How about understanding what connected standby is all about? Swing on by and join Scott Roberts as he discusses these improvements, monitoring data consumption, DirectAccess and more!

MS13 - Windows 8 Security
Dustin Ingalls
Tuesday, August 21: 2:00pm – 3:15pm

From power-on to power-off, Windows 8 offers features that improve the security and reliability of the systems in your organization. From power-on to power-off, Windows 8 provides a more secure foundation to help keep your businesses running. Join Dustin Ingalls as he discusses new Windows 8 security features that monitor boot, allow you to use the TPM chip in some new and interesting ways, and support for dynamic access control. There is a lot to cover so be sure and checkout this great security session.

MS18 - Windows 8 and Virtualization
Yung Chou
Tuesday, August 21: 3:30pm – 4:45pm

Hyper-V on Windows 8 is a flexible, robust, and high-performing client virtualization technology that enables enterprise developers to develop, debug, and test multiple configurations of apps and operating systems on a single PC instead of each configuration requiring its own PC. On editions of Windows 8 that support Hyper-V, IT professionals can test and manage multiple environments from a single PC, perform application compatibility tests, or test without risking changes to a PC that is actively in use. Join Yung Chou as he covers

a variety of virtualization technologies that can be used with Windows 8.

WINDOWS SERVER 2012

MS04 - New PowerShell Cmdlets in Windows Server 2012
Rick Claus
Tuesday, August 21: 9:15am – 10:30am

PowerShell has come a long way since its introduction with Exchange and Windows Server. Come checkout this session on new Windows Server 2012 cmdlets and their uses as your guide, Rick Claus, discusses and demonstrates their power.

MS09 - Dynamic Access Control
Rick Claus
Tuesday, August 21: 10:45am – 12:00pm

Come learn about the features enhancements introduced with Windows Server 2012 to improve authorization management. Rick Claus will be your guide as he discusses Kerberos support for user claims, support for conditional expressions, automatic rights management services (RMS) encryption for sensitive documents, and access denied remediation.

MS14 - IP Address Management
Rick Claus
Tuesday, August 21: 2:00pm – 3:15pm

Internet Protocol Address Management (IPAM) is a framework for discovering, monitoring, auditing, and managing the Internet Protocol (IP) address space used in a network. IPAM in Windows Server 2012 provides components for IP address space

management, audit of configuration changes, monitoring and management of DHCP and DNS services, and IP address usage tracking. Rick Claus will discuss the improvements and changes in Windows Server 2012.

MS19 - What's New in Active Directory
Rick Claus
Tuesday, August 21: 3:30pm – 4:45pm

You guessed it; Rick Claus finishes off the day with your favorite directory service, Active Directory (AD). Come learn all about the new improvements that have been made to it for Windows Server 2012 including Dynamic Access Control, Virtualization improvements, Federation and more!

VIRTUALIZATION AND APPLICATION DELIVERY

MS05 - Hyper-V in Windows Server 2012
Harold Wong
Tuesday, August 21: 9:15am – 10:30am

Hyper-V continues to improve so be sure and come learn about version three with Windows Server 2012. Harold Wong will discuss the scalability improvements, and focus on Hyper-V Replica, networking, virtual machine mobility with live migration, storage and failover clustering improvements.

MS10 - System Center Virtual Machine Manager 2012
Symon Perrimon
Tuesday, August 21: 10:45am – 12:00pm

Virtual Machine Manager (VMM) is a management solution for the virtualized

datacenter. It lets you configure and manage your virtualization host, networking, and storage resources to create and deploy virtual machines and services to private clouds. Join Symon Perrimon as he discusses VMM and how it fits into the System Center family of products.

MS15 - Private Cloud
Symon Perrimon
Tuesday, August 21: 2:00pm – 3:15pm

For a growing number of businesses, the journey to cloud computing starts with a private cloud implementation. A Microsoft private cloud dramatically changes the way your business produces and consumes IT services by creating a layer of abstraction over your pooled IT resources. Join Symon Perrimon as he discusses the private cloud and how the Microsoft family of server and management products support private cloud implementations.

MS20 - RDS, RDV, and VDI
Adam Carter
Tuesday, August 21: 3:30pm – 4:45pm

Microsoft Virtual Desktop Infrastructure (VDI) is an alternative delivery model that allows users to access secure and centrally-managed desktops running in the datacenter. Microsoft Remote Desktop Services (RDS) Session Virtualization is a desktop and application delivery model that provides users access to applications, data, and desktops centralized in the data center. Come join Adam Carter as he discusses the latest virtualization advances for RDS and VDI.

Becoming a Microsoft Virtualization Expert

Ready for virtualization that's fast, easy, and inexpensive? Then you're ready for Hyper-V. TechMentor delivers the deep dive training you need to call yourself a virtual Expert.

T01 - A Crash Course in Private Cloud: Getting Ready for the New Datacenter – Advanced
Yung Chou
Thursday, August 23: 8:00am – 9:15am

While assessing cloud computing, private cloud has been perplexing IT professionals. The confusions between virtualization and private cloud, the complexities of transforming a traditional infrastructure-centric deployment model into a cloud-enable environment, the ambiguities and uncertainties among It's roles and responsibilities in cloud computing are all discouraging IT professionals from playing an active role and contributing to cloud computing initiatives. This presentation is to offer clarity by reviewing architecture, examining key technologies, and demonstrating a private cloud deployment process in an enterprise environment. Attendees can gain technical insights of the what and how of private cloud, make a connection with individual's background and experience, and get started in becoming the next private cloud expert in your organization.

▶ *You will learn:*

- Know what is and how to construct and deploy a private cloud
- Become familiar with key enabling technologies
- Be able to build a test lab

T06 - Understanding (and Appreciating) the Windows Azure Platform for IT Professionals - Intermediate / Advanced
Yung Chou
Thursday, August 23: 9:30am – 10:45am

Windows Azure Platform is an internet-scale cloud services platform hosted in Microsoft data centers. It provides a cloud operating system and a set of .NET services for developing, deploying, and managing cloud applications in public cloud and as an extension of enterprise private cloud. Windows Azure Platform however is not just about writing globally scalable applications. IT now can integrate, virtualize, and optimize existing on-premises establishment with resources deployed to cloud. For IT professionals, Windows Azure Platform presents a unique opportunity to substantiate existing infrastructure investments and extends enterprise computing securely into public cloud. This session is to bring experienced IT professionals on board and demonstrate the key components of Windows Azure Platform including: architecture, computing model, and deployment from an IT professional's viewpoint.

▶ *You will learn:*

- Know Windows Azure Platform architecture and key components
- Know the process to develop and publish resources to Windows Azure Platform
- Know the emerging enterprise computing model with private and public clouds in a hybrid environment

T08 - Private Clouds and Your Organization: Excedrin for the IT Pro
Mark Minasi
Thursday, August 23: 9:30am – 10:45am

Ever since "The Cloud" appeared, it's generated a lot of discussion and the familiar old Three Horsemen of Innovation—Fear, Uncertainty and Doubt. Will it cost a lot of money? Is it secure and reliable, does it protect my privacy? Will it cost me my JOB? Will my current apps run on a cloud?

Those are hard questions but they're a lot easier if you build your own cloud.

Here's the basic idea. Take some of the main advertised benefits of public cloud: it's highly available, it's scalable as in "this app is really only busy on Tuesdays, so let me quickly pump up its disk space, RAM and CPUs, but only on Tuesday so I'm not paying for services that I'm not using," you can access its services over the Web from virtually any kind of browser. But let's say that instead of buying time on a public cloud, you decide to mix some servers, Windows Server, SCVMM 2012 and some SANs and build your own cloud.

Then think again about the things that worry some folks about public clouds: security's not a worry on YOUR cloud, as hey, YOU'RE running the cloud boxes, you know how to secure your network, you've been doing it for years. Ditto privacy. Similarly, reliability's no longer a worry, as YOU'VE made the decisions about how much redundancy you want or can afford. Compatibility may still be an issue, but if it's your cloud, you've got more flexibility to make the call about loosening up the odd Reg entry than many public cloud vendors might allow. Come give it a look!

▶ *You will learn:*

- Learn how private clouds differ from public ones, and why those differences might sell you on the idea.
- Understand how to get started in private cloud setup and management
- Hear common scenarios for private cloud successes

Learn the Secrets of How Microsoft Does IT

Ever wondered if you're implementing Microsoft technologies correctly? Who better to tell you than Microsoft itself! That's why we're bringing in the experts, directly from Microsoft. These are the people responsible for actually implementing Microsoft's technologies in their own IT, and you can only hear their story at TechMentor.

W09 - **Using Free Tools for Troubleshooting Windows Performance Problems – Intermediate**
Bruce Mackenzie-Low
Wednesday, August 22:
10:45am – 12:00pm

When Microsoft experiences a critical performance issue with their IT infrastructure, they use tools they can count on to collect, analyze and resolve resource bottlenecks. Learn how you can leverage tools such as XPerf, PerfView, and PAL to tackle the toughest performance problems. How do you determine why your server is spending too much time executing in kernel mode? How do you determine which device driver is causing spikes of interrupts. How do you identify what is causing your server to boot too slowly? Learn about Microsoft's latest suite of diagnostics tools and leave this session with the confidence you'll need to tackle the toughest performance problems that Windows can dish out.

▶ *You will learn:*
- Learn about Microsoft's hottest performance diagnostic tools including XPerf, PerfView and PAL
- Understand how to diagnose, monitor and resolve Windows resource bottlenecks
- Explore real world examples that illustrate the tools in action

W14 - **Configuring Bullet Proof Windows Failover Clusters – Introductory**
Bruce Mackenzie-Low
Wednesday, August 22: 1:30pm – 2:45pm

Do you need high availability for your mission critical applications? Learn how Microsoft IT implements Windows Failover Clusters ensuring the very best practices for planning, installing and configuring multi-node clusters. Get a glimpse of Windows 8 Failover Clusters leveraging up to 63 nodes and highly available file sharing. Learn how to build a cluster from the ground up, employing the best practices for network and storage considerations. Understand how to optimally configure Hyper-V, SQL, Exchange, File and Print Servers in a clustered environment. Avoid the common pitfalls that can lead to application downtime resulting in lost productivity and revenue. Leave this session with the confidence you'll need to leverage Failover Clusters for your mission critical applications.

▶ *You will learn:*
- Learn about Windows Failover Clusters and how they can make your applications highly available.
- Understand the best practices for installing Hyper-V, SQL, Exchange, File and Print servers in a clustered environment.
- Explore troubleshooting tools and techniques for maintaining Windows Failover Clusters.

W19 - **How to Analyze your Own BSODs: Tips, Tricks, and Tools the Pros Use - Intermediate**
Bruce Mackenzie-Low
Wednesday, August 22:
3:00pm – 4:15pm

Do you feel helpless when your Windows servers hang or experience the dreaded BSOD (Blue Screen of Death)? Do you hit the reset button while praying your server will reboot? Do what Microsoft IT does by analyzing your own Blue Screen crashes and hangs. Learn how to install the Windows Debugger and other free tools from Microsoft as you explore several real world case studies with live demos. A cookbook approach is leveraged to identify failing software or hardware components responsible for outages & ensuring maximum uptime and stability on your Windows servers. Walk out of this session with confidence you need to use the Windows debugger to analyze your own crashes and hangs.

▶ *You will learn:*
- Learn how to configure Windows servers to capture a memory dump.
- Learn how to force a memory dump on a hung Windows server.
- Learn how to install and setup the

"TechMentor is so much more personal than the other tech conferences. No mass confusion and the frustration of a larger conference."

Windows debugger, using it to analyze a system crash dump and identify the failing component or driver.

W24 - **Smart Solutions for Conquering Crashing Applications - Intermediate**
Bruce Mackenzie-Low
Wednesday, August 22:
4:45pm – 6:00pm

With today's mission critical applications, it is no longer acceptable to use the Task Manager to kill your unresponsive application and pray it successfully restarts. Get a glimpse at how Microsoft troubleshoots their IT application hangs and crashes. Learn about tools such as ADPlus, ProcDump and the Windows Debugger as you tackle real world cases. Learn about advanced debugging techniques that allow you to 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!

> *You will learn:*

- Explore free tools from Microsoft used to capture application memory dumps.
- Learn how to install the Windows debugger and setup the symbol path.
- Understand how to use the debugger to analyze process memory dumps to determine what caused the application to crash or hang.

T19 - How Does Your Active Directory Stand Up to Microsoft's? - Introductory/ Intermediate
Laura Hunter
Thursday, August 23: 2:45pm – 4:00pm

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.

> *You will learn:*

- Managing Active Directory in large, complex environments
- Troubleshooting complex issues
- Tips and Tricks from the Field

T24 - Active Directory Federation Services: Why You Should Care and What You Should Know - Intermediate / Advanced
Laura Hunter
Thursday, August 23: 4:15pm – 5:30pm

Active Directory Federation Services (AD FS) 2.0 is designed to meet the growing demand for a single sign-on solution that crosses organization, application and platform boundaries. In this session you will learn about the need for AD FS in a multitude of scenarios, followed by a description of the features and capabilities of the newest release of ADFS 2.0, as well as best practices from Microsoft's internal ADFS team on how to deploy a secure and highly available AD FS 2.0 deployment.

> *You will learn:*

- What is ADFS and where it will be used in your company
- How it works and how to deploy
- Tips & Tricks from the field

Managing an Application Delivery Infrastructure

Today's IT is less about the technology infrastructure, and more about delivering applications and data to users. Application virtualization, server-based computing, VDI, and everything in-between, being an application delivery expert requires wide technical expertise and wisdom in designing solutions. When it comes to managing an application infrastructure, TechMentor delivers.

W03 - Extend your Exchange On-Premises Organization into the Cloud - Intermediate / Advanced
Mike Pfeiffer
Wednesday, August 22: 9:15am – 10:30am

Find out how you can seamlessly integrate your on-premises Exchange organization with Office 365. With rich co-existence, one organization can host mailboxes in the cloud, and on-premises, while retaining the best features offered by Exchange across both platforms. You can share calendars and free/busy information, maintain a unified global address list, archive e-mail messages, and much more. In this session, Mike Pfeiffer, Microsoft Certified Master and Exchange MVP, will show you how to implement your own hybrid deployment with Exchange Online. You'll learn about key components such as the Hybrid Configuration Wizard, DirSync, and Active Directory Federation Services, and walk away with a clear picture on how to perform a smooth implementation.

> *You will learn:*

- Understand the requirements for Exchange Hybrid Deployments with Office 365.
- Learn about the available Exchange features for mailboxes hosted in the cloud.
- Learn the best practices, common pitfalls, and tips and tricks for creating co-existence with Exchange in the cloud.

W07 - Designing High Availability Into Microsoft Exchange 2010 - Introductory/ Intermediate
J. Peter Bruzzese
Wednesday, August 22: 10:45am – 12:00pm

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 and how it's utilized in Exchange 2007 and 2007 SP1, leading up to the changes in Exchange 2010 and 2010 SP1 with the new Database Availability Group (DAG) method of high availability. In addition, we'll discuss JBOD vs. SAN storage options, the loss of Single Instance Storage (SIS) and the elimination of traditional backup for your Exchange environment.

> *You will learn:*

- Automate repetitive tasks using the Exchange Management Shell.
- Learn how to generate Reports using the Exchange Management Shell.
- Understand the best practices, along with common problems to avoid when developing Exchange and PowerShell scripts.

W13 - Communicating in the Cloud with Lync Online – Introductory
Mike Pfeiffer
Wednesday, August 22: 1:30pm – 2:45pm

If you're getting ready for Lync server, you're probably wondering if you should deploy your infrastructure on-premises or turn "to the cloud" and Office 365.

This session will help you make that decision. We'll explore Lync Online, and you'll get to see live demonstrations of Instant Messaging (IM), audio and video conferencing, and online meetings. Come and find out what your deployment options are, along with the migration and co-existence possibilities available between on-premises and cloud deployments. You'll walk away knowing if Lync Online is the right choice for your organization.

▶ *You will learn:*
- Understand the available features of Lync Online, and how they compare to an on-premises deployment.
- Learn about co-existence and migration options for moving Lync to the cloud.
- Discover best practices, along with tips and tricks for deploying Lync Online.

W16 - A Practical Guide to Remote Desktop Services Internals - Intermediate
Ed Liberman
Wednesday, August 22: 3:00pm – 4:15pm

Learn RDS's deepest secrets from one of the people responsible for managing it! Trying to set up Remote Desktop Services or troubleshooting a problem? In Windows Server 2008 R2, Remote Desktop Services can do a lot, spanning across LANs and WANs, VMs and sessions, full desktops and individual applications. But all that functionality involves a lot of moving parts, all of which you need to know! In this session, Ed Liberman looks at some real-life examples of how knowing how RDS's pieces communicate can help you solve or avoid problems.

▶ *You will learn:*
- Learn the difference between RDS and previous Terminal Service solutions.
- Learn how RDS can be used to provide remote solutions across the Internet.
- See how RDS interacts with virtualization technologies.

W21 - Best Practices in Delivering Applications to Mobile Workers with Tools you Already Have – Intermediate
Ed Liberman
Wednesday, August 22: 4:45pm – 6:00pm

There are plenty of reasons to support users connecting from outside the office network. There are also plenty of ways to support them. But VPN Clients are a pain, and Direct Access requires IPv6 among other technicalities. Remote Desktop Services in Windows Server 2008 R2, however, is a simple solution you can implement today. Using RDS' Remote Desktop Gateway, you can connect not just to VMs or sessions but to any computer that accepts incoming RDP connections, even from unmanaged computers. In this session, Ed Liberman explains how to use RD Gateway to enable mobile workers along with the best practices for doing so.

▶ *You will learn:*
- Overview of RDS technologies
- Deep dive into RD Gateway
- Differentiating between different remote access options

MCITP Certification Skills Refresher

Champions of the not-yet-certified Bruce Rougeau and James Carrion have long been helping IT Pros like you prep for testing. With testing comes certification, and with certification comes more dollars, more respect, and more opportunity to succeed. Join Bruce, James, and TechMentor and get the skills refresher you need to get started.

T05 - MCITP 70-646 Planning for Server Deployment - Introductory/Intermediate
Bruce Rougeau
Thursday, August 23: 8:00am – 9:15am

Planning for a successful server deployment requires more planning than most people want to allow. The key to successful implementations is to think of everything and make sure to ask plenty of questions. This session will cover the following test objectives:

• Plan server installations and upgrades. May include but is not limited to: Windows Server 2008 edition selection, rollback planning, Bitlocker implementation requirements

• Plan for automated server deployment. May include but is not limited to: standard server image, automation and scheduling of server deployments

• Plan infrastructure services server roles. May include but is not limited to: address assignment, name resolution, network access control, directory services, application services, certificate services

• Plan application servers and services. May include but is not limited to: virtualization server planning, availability, resilience, and accessibility

• Plan file and print server roles. May include but is not limited to: access permissions, storage quotas, replication, indexing, file storage policy, availability, printer publishing

MCITP: Windows Server 2008 Server Administrator Certification Kit*

T10 - MCITP 70-646 Planning for Server Management and High Availability - Introductory/ Intermediate
Bruce Rougeau
Thursday, August 23: 9:30am – 10:45am

This session will cover the following test objectives:

• Plan server management strategies. May include but is not limited to: remote administration, remote desktop, server management technologies, Server Manager and ServerManagerCMD, delegation policies and procedures

• Plan for delegated administration. May include but is not limited to: delegate authority, delegate Active Directory objects, application management

• Plan storage. May include but is not limited to: storage solutions, storage management

• Plan high availability. May include but is not limited to: service redundancy, service availability

T15 - MCITP 70-646 Monitoring/ Maintaining Servers and Planning for Business Continuity - Introductory/ Intermediate
Bruce Rougeau
Thursday, August 23: 11:00am – 12:15pm

This session will cover the following:

• Implement patch management strategy. May include but is not limited to: operating system patch level maintenance, Windows Server Update Services (WSUS), application patch level maintenance

• Monitor servers for performance evaluation and optimization. May include but is not limited to: server and service monitoring, optimization, event management, trending and baseline analysis

• Monitor and maintain security and policies. May include but is not limited to: remote access, monitor and maintain NPAS, network access, server security, firewall rules and policies, authentication and authorization, data security, auditing

• Plan for backup and recovery. May include but is not limited to: data recovery strategy, server recovery strategy, directory service recovery strategy, object level recovery

T20 - MCITP 70-646 Planning Application and Data Provisioning - Introductory/ Intermediate
Bruce Rougeau
Thursday, August 23: 2:45pm – 4:00pm

Thin is IN and the subject of this session. There is more to an RDP infrastructure than meets the eye. Microsoft has been moving more and more functionality to this product with every release.

This sessions will cover the following exam objectives:

• Provision applications. May include but is not limited to: presentation virtualization, terminal server infrastructure, resource allocation, application virtualization alternatives, application deployment, System Center Configuration Manager

• Provision data. May include but is not limited to: shared resources, offline data access

T25 - MCITP Exam Prep for 70-646 - Introductory/ Intermediate
Bruce Rougeau
Thursday, August 23: 4:15pm - 5:30pm

After spending the day reviewing the curriculum for the 70-646 exam we will test our skills by reviewing our Planning, Monitoring, and maintaining our Windows Server Infrastructure questions as a class. We will also have test pointers and help you understand how the Planning exam is quite different from the other exams. This is a one of a kind experience the will greatly benefit you in your exam preparation. Even if you have not spend the day in these sessions, come and prove your metal.

"The advanced troubleshooting was excellent – I'm excited to get back to work using these new tools I learned at TechMentor!"

Security Tactics for Servers and Wireless Networks

The successful IT pro bakes security into everything they do. But with all the options, where does applying security best fit the need? Get intelligent tactics you can implement immediately at this year's TechMentor. Your network will thank you.

W12 - Demystifying Wireless Windows Networking - Intermediate / Advanced
Avril Salter
Wednesday, August 22: 1:30pm – 2:45pm

Windows 7 supports a growing number of wireless networks including Wi-Fi, Bluetooth and mobile broadband. These radio technologies are very distinct and require different considerations when configuring client access. While many of these are configurable through Group Policy settings in an Active Directory setting, you need to know which settings to change and what values will give you the desired configuration. This is a rare opportunity to hear from one of the few people that can explain all aspects of wireless in a way that makes sense to computer professionals. In this session Dr. Avril Salter will enable you to compare and contrast radio technologies supported by Windows, describe the key technical aspects of each network that you need to understand to configure computers correctly, and determine the right Windows

configuration for appropriate yet secure data access.

▶ *You will learn:*

- Session will compare and contrast radio technologies supported by Windows
- Describe the key technical aspects of each network that you need to understand to configure computers correctly
- Determine the right Windows configuration for appropriate yet secure data access.

W17 - Planning, Deploying, and Operating Wireless Networks With Windows Server - Intermediate / Advanced
Avril Salter
Wednesday, August 22: 3:00pm – 4:15pm

Avril will demonstrate the entire wireless planning, deployment, and operations lifecycle for a Windows-based environment. She will tell you what you need to know about selecting the best operating frequencies, selecting the best authentication mechanism for your business situation, supporting legacy Wi-Fi equipment and when to transition to the newer standards, support rich media traffic over wireless. integrating new handheld devices, and setting up group policies for managing Windows client configurations. This session will provide you with an end-to-end framework for implementing a wireless Windows environment.

▶ *You will learn:*

- Enables the learner to define the best Windows client and wireless Group Policy settings for their specific wireless deployment.

- Provides the learner with an end-to-end framework for implementing a wireless Windows environment.

W22 - Wireless Sniffing for IT Pros (and Not Hackers!) - Intermediate / Advanced
Avril Salter
Wednesday, August 22: 4:45pm – 6:00pm

The IT pro has a great variety of network monitoring tools and techniques available today. But many believe these are the tools of evildoers or spies. This session dispels the myth by showing how to use tools like Wireshark and NetStumbler to capture, analyze, and troubleshoot common wireless problems during everyday operations. Dr. Avril Salter and Mike Danseglio CISSP have been sniffing wireless networks and showing folks how to identify common traffic issues for years. In this session she will show you a number of examples of wireless problems including rogue access points and misconfigured Windows settings that broadcast sensitive data as well as more expected issues like nefarious intruders and audio and video streams overloading network capacity.

▶ *You will learn:*

- Learn how you can avoid the top 10 most common wireless network deployment problems
- Identify rogue access points without deploying expensive sensor networks
- Determine the cause of wireless network capacity limitations

W25 - Securing Windows 7 in 7 Easy Steps - Advanced
Sami Laiho
Wednesday, August 22: 4:45pm – 6:00pm

Are you concerned that your Windows 7 has weaknesses that might allow unknown users to get access to your data or network? Sure, but luckily it also includes a lot of great new security features that can prevent it from happening. Check out Sami Laiho's (MVP - Windows Expert IT PRO and one of the creators of http://www.getabrandnewpassword.com/) session and learn the must have security features in Windows 7. During this session Windows 7 will be broken into using methods ranging from social engineering to Firewire flaws. Can Windows be broken into with PowerPoint? Sure, it's easy. Do you really need to get Windows Enterprise or Ultimate? Yes you do! Can Windows Servers be broken into with one command? Let me show you how!

▶ *You will learn:*

- How to break into Windows
- How to prevent 7 ways to crack the Windows OS
- How to secure BitLocker deployments

T02 - Conducting a Forensic Computer Investigation: Essential Skills for IT Staff – Advanced
Mike Danseglio
Thursday, August 23: 8:00am – 9:15am

Computer crime has been on the rise for decades. There are many situations where an incident occurs that doesn't break the law but is still cause for concern, such as corporate policy violations, information mishandling, or internal system compromise. Many companies are forming their own internal investigative units to address these situations. In this session, Mike Danseglio, CISSP, former security authority at Microsoft and world-renowned

security expert, examines what kinds of investigations can be handled internally, when and how to engage law enforcement, how to best prepare for incidents, and the best practices to use. He will focus on building your computer investigation toolkit and demonstrating how to use it most effectively. These tools enable your investigation on a multitude of platforms including Windows XP, 7, 8, and Windows Server 2003, 2008, and 8. Mike's real-world forensic techniques apply to IT organizations of any size and any budget.

▶ *You will learn:*

- Deciding when to involve law enforcement based on business and legal criteria
- How to obtain the most effective data without tampering
- Which tools should be used to examine a computer based on the suspected behavior, operating system, and desired investigation type

T11 - Easy Steps for Enabling Portable Data Security: Laptops, USB Drives, and More - Intermediate / Advanced
Mike Danseglio
Thursday, August 23: 11:00am – 12:15pm

All administrators in today's IT space recognize that data is everywhere. From employees taking work on the road with a laptop to the infinite reasons people store files on USB drives, it is increasingly difficult to know where the data is. So how do you protect the sensitive data? Sure there are specific commercial products but they require significant investment, deployment, and maintenance, and usually provide a

suboptimal user experience. There are, however, solutions that are better than others; some that you may already have and just not know it.

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. Mike will also examine several of the most common commercial solutions and show their strengths and weaknesses. Unlike many presentations, purchase cost, administration, and usability are explored through statistics and live demonstrations. At the end of this session, you'll know the best data protection solution for your unique situation.

▶ *You will learn:*

- Importance of portable data protection
- Easy and cost-effective technologies to protect data
- How portable data is encrypted and recovered in case of disaster

T16 - Preventing Attacks from Employee Home Networks
Mike Danseglio
Thursday, August 23: 2:45pm – 4:00pm

What's the difference between a secure home network and a secure corporate network? Most users think there's no difference if they give it any thought at all.

Most IT professionals find it challenging to describe the difference and assume that one has no impact on the other. This invariably leads to vulnerabilities in both networks. And with the portability of working at home, VPNs, remote desktops, and common use of laptops, those vulnerabilities are more frequently creating issues in corporate networks. Today, a malware outbreak at any employee's home usually means an outbreak throughout the corporate network.

In this session, Mike Danseglio, CISSP, former security authority at Microsoft and world-renowned security expert, dissects typical home and corporate 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 and how to mitigate and prevent a number of commonplace attacks. Throughout the session he remains focused on the fact that home 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.

▶ *You will learn:*

- The risk of employee VPN connections
- How attacks migrate from home to corporation and back

- What steps can be taken to prevent these attacks

T18 - Secure Any IIS 8 Server in 5 Easy Steps
Jason Helmick
Thursday, August 23: 2:45pm – 4:00pm

Worried about your websites getting hacked? Lock 'em down! In this session with renowned PowerShell and IIS expert Jason Helmick, you will learn 5 ways to use II's built-in security features to keep hackers at bay. Proven tactics on securing Application Pools with Isolation, Request Filtering and URL Rewrite. You will leave with the slides, demonstration steps and Jason's tips to easily implement and manage IIS security. Get IIS secured today!

▶ *You will learn:*

- Application Pool isolation security checklist
- Security Automation scripts
- Request Filtering checklist

T21 - Tactics in Keeping Bad Hardware Off Your Network
Mike Danseglio
Thursday, August 23: 4:15pm – 5:30pm

From the CEO with her iPad to the IT guru with the latest laptop technology to the intern with a new Android media

player, users love to bring their personal electronics to work and connect them to corporate assets. Most users never think that connecting a phone or ebook reader could pose a security risk to the entire network. But it most certainly can. And regardless of written security policy, users continue to do it. 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.

▶ *You will learn:*

- The features of Windows Server that enable device blocking and permitting
- How to identify and map approved devices
- How to say "yes" to unapproved devices without compromising corporate security

Smarter Administration for Windows

TechMentor has long been about "immediately useable IT training". That's why every TechMentor includes real-world strategies and tactics for Windows' most challenging topics. You'll learn how to be a smarter administrator, right from the world's smartest administrators – only at TechMentor.

W02 – **J. Peter Bruzzese Presents: The Very Best Windows 8 Tips, Tricks and Tools - Introductory/ Intermediate**
J. Peter Bruzzese
Wednesday, August 22: 9:15am – 10:30am

Windows 8 is new and the tips and tricks are already pouring in. Too often admins deploy an OS like Windows 8 without really knowing all the latest and greatest features that will benefit users. This session will start with some of the lighter features, tips and tricks and then build toward more advanced feature enhancements. In addition, we'll discuss must-have tools that will improve Windows 8 performance, security and functionality.

▶ *You will learn:*

- Quick user-oriented tips to working more efficiently with Windows 8
- Deeper, admin oriented tricks to performance testing and security enhancements.

- Microsoft (and third-party) enhancements through tools you can download and benefit from.

W05 - **IPv6 Bootcamp - Your 75-Minute Prep for Tomorrow's Networking, Today – Intermediate**
Edward Horley
Wednesday, August 22: 9:15am – 10:30am

Many involved with networking are declaring 2012 the year of IPv6. This presentation is focused on an introduction to IPv6 and how to start using it quickly. Topics covered include IPv6 addresses, stateless and stateful auto-configuration, address management, planning a migration and comparing and contrasting IPv6 to IPv4. In addition, it will cover what transition technologies to pay attention to and how and why they are used and what problems they address. Finally, a checklist of tasks and recommendations will be provided for deploying IPv6 with solutions like DirectAccess, Exchange 2010, Windows 7 and Windows Server 2008R2.

▶ *You will learn:*

- Understand the basics of IPv6 addresses and planning
- Understand the default IPv6 behavior of Windows 7 and Server 2008R2
- Understand the IPv6 transition solutions available in Windows

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W10 - **Advanced IPv6 Design and Deployment in a Microsoft Enterprise Network – Advanced**
Edward Horley
Wednesday, August 22: 10:45am – 12:00pm

The presentation is focused on the advanced IPv6 design and deployment items that system and network administrators need to pay attention to for enterprises networks that are Microsoft technology focused. Topics covered include specific IPv6 behaviors of different Windows OS's, when transition technologies are enabled, what Microsoft products will use IPv6 and modifications to deployment guides for Exchange 2010, DirectAccess, Forefront UAG and TMG. In addition some design challenges around DHCPv6, DNS64 and NAT64 and how Windows 7 and Server 2008R2 will behave in the environment. Specific dual stack and hybrid IPv6 designs will be reviewed and IPv6 OS behavior will be demonstrated to emphasizes the difference in designing appropriate transition and coexistence solutions for an enterprise.

▶ *You will learn:*

- Advanced IPv6 design and deployment recommendations for enterprise networks
- Understand the appropriate IPv6 transition solutions for a successful IPv6 deployment
- Useful modifications to Microsoft deployment guides for Exchange 2010, DirectAccess and Forefront

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W18 - **Active Directory News in Server 8: New Tools, New Ideas, Old Tasks…Simplified!**
Mark Minasi
Wednesday, August 22: 3:00pm – 4:15pm

Server 8's on the way, and with every new version of Server comes a bunch of new goodies for us AD administrators. Server 8 carries on this tradition with a few big

changes and a larger number of small—but very welcome—changes.

First, if you know anything at all about Server 8 then you're probably guessing that AD gets a bit more virtualization-friendly... and your guess would be right. With pre-8 versions of server, virtualizing a DC and then rolling back a snapshot on that virtual DC (without doing a bit of arcane Registry fiddling) is, well, one of the quickest ways around to screw up your AD, but try that with a Server 8-based DC, and it's problem-free.

Furthermore, once you've got that virtual DC set up, just a few mouse clicks and a minute or two with Notepad lets Hyper-V clone that DC quickly and easily, making deploying virtual DCs a snap, as well as greatly simplifying disaster recovery plans.

Ever had to figure out how constrained delegation works in Server, but walked away kind of feeling as though it sort of worked backwards from what you'd expected? Server 8 fixes that. It also reduces the pain of running Key Management Servers (KMS) because now AD-joined systems can receive their Windows Activation from their domain controllers. (Those DCs can automatically unlock their BitLockered drives as well, simplifying BitLocker management a bit.) And AD Admin Center gets smarter, too... come find out more at this session!

▶ *You will learn:*
- Discover what Server 8's AD offers in a quick, concise, easy-to-understand manner
- Learn how Server 8's Active Directory changes the game when it comes to virtualization

- Get a quick introduction to AD's new management tools

W20 - Surviving without Administrative Rights: Real-World Solutions for a Really Tough Problem – Advanced
Sami Laiho
Wednesday, August 22: 3:00pm – 4:15pm

Let a professional who has worked with limited user environments for over 15 years and who has created tools for fellow admins to survive for another 15 to show you what you can do to survive without giving administrative rights to users. Sami Laiho (MVP - Windows Expert - ITPro) will show you how admins use Windows 7 with limited user accounts and how end users never need to have them. Explorer / separate now working in Windows 7? Yes it is - come and see how! What if your user doesn't have network connection - can you give them temporary admin rights? For free? Yes you can - let Sami tell you how!

▶ *You will learn:*
- How to use run as in Windows 7
- How to get rid of admin rights for good
- How to get onetime admin passwords in Windows

T03 - Understanding and Troubleshooting the Kerberos Protocol for Windows Admins - Intermediate / Advanced
Gary Olsen
Thursday, August 23: 8:00am – 9:15am

Active Directory is the core component of many infrastructures and handles

authentication for a variety of applications and non-Windows clients. Windows Admins must be familiar with how authentication/authorization works with Kerberos. This session will describe the basics of Kerberos in authorization and authentication, how these principles apply to common security problems, including troubleshooting tips for resolving authentication issues.

▶ *You will learn:*
- Understanding Kerberos Basics
- Cross platform Interoperability - How authorization and Authentication work between Active Directory forests and between Unix Realms and AD forests
- Time Services - how Time Services work with Kerberos to ensure domain security.

T14 - Managing SQL Server for the Reluctant DBA
Don Jones
Thursday, August 23: 11:00am – 12:15pm

Stuck administering SQL Server because you're "the Microsoft person"? Need to maintain back-end databases for System Center, SharePoint, or third-party applications? Fear not! It's easy, even if you're a "reluctant DBA."

In this session, Don Jones concisely explains how SQL Server really works under the hood. He de-mystifies backups and maintenance, shows you how to tune performance, and even reveals what is and isn't safe to touch when it comes to third party application databases. You'll also learn about high availability options, and get the skinny on replication, and other key topics.

T17 - Active Directory Health Assessment and Troubleshooting - Five Answers You'd Otherwise Pay For - Intermediate
Gary Olsen
Thursday, August 23: 2:45pm – 4:00pm

While many vendors sell tools and services to keep AD well and warn of impending doom, they are too expensive for small and medium businesses. Windows server contains very powerful tools that, in the right hands, can give a satisfactory health assessment. This session will teach you how you can conduct your own health assessment for free! These tips and tricks will help in troubleshooting AD problems as well.

▶ *You will learn:*
- How to use a few native tools to assess AD health
- How to interpret data produced by those tools to know if there are problems and the proper action to take
- Using Performance Monitor tools in assessing AD health.

Windows Deployment, Servers and Desktops

You're through testing and ready for deployment, but wait…how are you going to actually deploy Windows? Over the network? Via USB stick? Walking around with DVDs? Learn all the tips and tricks of Windows 7 and 8 deployment with TechMentor.

W01 - **Completely Automating Software Installation, the Ridiculously Easy Way**
Greg Shields
Wednesday, August 22: 9:15am – 10:30am

Any good IT professional these days recognizes the value in automating application installs. The trick is in getting those installs to do their work silently, without prompting for questions. The hard part – indeed the art – is in the packaging. Microsoft MVP Greg Shields has been packaging and deploying software for nearly a decade. In this do-not-miss session, he'll share his secret tricks in getting the job done. And tricks they are! Whether you're deploying software through Group Policy, System Center Configuration Manager, a Windows deployment solution, or any of the third party options out there, this session contains the knowledge you'll need for them all. Don't miss this one. What you learn might just be the most powerful thing you discover all week at TechMentor.

> "I loved all the access to the experts and speakers. Very personal."

W04 - **Building Native VHD Multi-Boot Configurations for Windows 7 and 8 - Introductory/ Intermediate**
Gary Olsen
Wednesday, August 22: 9:15am – 10:30am

In this session I will explain the benefits of a native multi-boot configuration for Windows 7, 2008R2 and Windows 8, including a detailed how-to procedure. This session will cover:

• What is Native Boot VHD and how will it benefit me?

• How to Build a VHD for Windows 7, 2008R2 and 8

• Basics on creating a WIM image

• How to use BCDEdit to configure the VHD image to boot.

▶ *You will learn:*

   • How to build a VHD of Windows 7, 2008R2 and Windows 8

   • How to use BCDEdit to configure the VHD image to boot

   • How Native boot VHD can be a life saver in testing new windows version, applications, and in development and training.

W06 - **Automatically Migrating User Profiles During an OS Refresh**
Greg Shields
Wednesday, August 22: 10:45am – 12:00pm

Deploying Windows 7 is a snap when you're doing it to a brand new computer. But brand new computers are only part of the problem. What you also need is Windows 7 migration and upgrades. You also want a solution that refreshes Windows 7 with a minimum of effort. Part of doing that requires automatically offloading user data from their old computer, then injecting it onto their new one. There are free tools from Microsoft to do this, and they're even customizable! Microsoft MVP and deployment expert Greg Shields shares the secrets of Microsoft's User State Migration Toolkit, a sometimes-missed solution for automating user data migration that you'll absolutely want in your deployment solution.

W11 - **Using Free Tools to Resolve (Almost) any Application Compatibility**
Greg Shields
Wednesday, August 22: 1:30pm – 2:45pm

You've wanted to deploy Windows 7 since the day it came out. Far more secure and manageable than Windows XP and far less cranky than Windows Vista, getting on Windows 7 is what you need to make your job easier. What's holding you up? It might be your applications. Some apps just don't work atop Windows 7. Others need a little extra care to get them functioning. Microsoft recognizes this need and provides a suite of application compatibility tools like the Application Compatibility Toolkit and the Microsoft Assessment and Planning Toolkit that solve this problem. Yet both of these tools can be hard to use without help. Get that help with a jump start from Microsoft MVP and deployment expert Greg Shields. You'll leave this session with everything you need to inventory your apps, determine the fixes they need, and remove all the hurdles to your Windows 7 migration.

W15 - **Advanced Tips and Tricks in Controlling Windows 7 Devices - Advanced**
Sami Laiho
Wednesday, August 22: 1:30pm – 2:45pm

Want to know how to use the new built in native support for Mobile Broadband? Want to know the easiest way to prepare for new hardware configurations in MDT 2010, SCCM, WDS, Altiris or any other OS installation options? All in a way that can be done by any end customer? Want to know how to allow limited users the ability to install drivers for example to survive without admin rights on a laptop? Want to know how to get your device drivers in INF-format easy without 3rd party software? If you answered yes to any of these questions this session is just the right one for you.

▶ *You will learn:*
   • How to install drivers without admin rights
   • How to easily add hardware models to MDT 2010, SCCM or WDS
   • How to easily extract device drivers to inf-format

W23 - Rebuilding SteadyState: Tips and Free Tools for Creating a More Robust Windows
Mark Minasi
Wednesday, August 22: 4:45pm – 6:00pm

As any operating system—Windows included—gets more complex, it also gets more fragile. Wouldn't it be great to add the virtual machine notion of "snapshots" to physical Windows 7/R2 systems, like Microsoft's now-defunct SteadyState did for XP and Vista? Or how about being able to take a working system that no longer boots and restore its ability to boot in under three minutes? And while we're at it, why not add a smaller "maintenance version" of Windows to your Windows 7, Server 2008 and 2008R2 systems, an on-disk "emergency platform" for examining, diagnosing and repairing troubled systems?

Two years ago, veteran Windows techie and writer Mark Minasi set out to build something like SteadyState, using some of Windows 7 and R2's new storage and boot technologies. Along the way to creating his free "SteadierState" (he couldn't resist) tool at www.steadierstate.com, he had to develop several new Windows repair and installation techniques, and in this session you'll learn how they work and how they can make your systems somewhat more robust.

SteadierState is aimed at folks in libraries, classroom laboratories, publicly-available kiosk machines, and the like—systems that are created to be "just so," and that need to have every single change wrought by one student/patron/client un-done in a bit over

three minutes in a one-click-and-walk-away scenario. (It's a free tool.)

Come to this session to learn how SteadierState can simplify YOUR job!

▶ *You will learn:*

- Master new WinPE install and implementation techniques
- Gain a complete understanding of how Windows boots (and how to repair Windows boot problems) in the pre-winload phase
- Understand how to implement a SteadyState-like rollback solution

T23 - Five Real and Relative Tricks for Automatically Provisioning an IIS 8 Web Farm
Jason Helmich

Thursday, August 23: 4:15pm – 5:30pm

Increase productivity while increasing time off using PowerShell! In this session with renowned PowerShell and IIS expert Jason Helmick, you will learn to provision a web farm of servers, sites and applications. Quickly adapt your web farm to the needs of the business with rapid scale load balancing. You will leave with the slides, demonstration steps and Jason's tips to rapidly provision IIS. Don't lose another weekend to web farm deployment and management!

▶ *You will learn:*

- Building a provisioning framework for IIS
- Provisioning automation scripts for IIS
- Rapid scaling automation scripts for IIS

Mastering Windows PowerShell

Recognize the Power in PowerShell, but just haven't had the time to learn it? How about learning it with some of the world's most-experienced PowerShell trainers? Sign up for TechMentor, and leave with a command of Windows' newest command prompt.

W08 - Key PowerShell Techniques Every Exchange Administrator Should Know – Intermediate
Mike Pfeiffer
Wednesday, August 22: 10:45am – 12:00pm

There are hundreds of Exchange Management Shell (EMS) cmdlets, but you don't need to memorize them all to save yourself days of work. Mike Pfeiffer, renowned Microsoft MVP and author of the Microsoft Exchange 2010 PowerShell Cookbook, will show you how to maximize your efficiency in EMS. In this session, you'll learn several techniques used to automate the most common, repetitive, and time consuming tasks Exchange administrators are faced with on a regular basis. You'll see live demonstrations that include bulk modifications, report generation, task automation, and more. Don't lose another hour clicking your way through the GUI.

▶ *You will learn:*

- Automate repetitive tasks using the Exchange Management Shell.

- Learn how to generate Reports using the Exchange Management Shell.
- Understand the best practices, along with common problems to avoid when developing Exchange and PowerShell scripts.

T04 - Don Jones' No-Scripting, No-Programming PowerShell Crash Course
Don Jones
Thursday, August 23: 8:00am – 9:15am

OK, you've put it off long enough, and it's time to learn PowerShell. You're not too late! With Microsoft building more and more products on and around the new shell, it's a good addition to the skills list! Forget talk of PowerShell being a "scripting language". PowerShell is a command-line shell, and if you can run Ping, you can learn PowerShell.

Windows PowerShell author, MVP, and columnist Don Jones make the shell easy to learn with his casual teaching style and focus on what really matters. You'll learn key techniques for being effective, and you'll get the inside scoop on the gotchas that trip up newcomers. Whether you're in charge of Exchange, SharePoint, SQL Sever, Windows client or server, VMware, Hyper-V, or any other "shelled" technology, this is your fastest way to familiarity with the new world order!

T09 - PowerShell Remoting in Depth + Troubleshooting
Don Jones
Thursday, August 23: 9:30am – 10:45am

PowerShell Remoting is a nice feature to have today, and starting with Windows

> "I enjoy attending TechMentor more than other tech conferences. You get real "trenches" representatives willing to share their experiences."

8 it becomes a mandatory part of your environment. Remoting is the new standard for administrative communications, bringing WinRM and WS-MAN to life in the form of PowerShell Remoting!

In this session, PowerShell expert Don Jones explains the technology, shows you how to configure it, discusses security options (and implications), and more. He'll show you how to set up PowerShell Remoting, and how it can easily manage hundreds of servers or clients as one. You'll get exclusive, inside-track diagnostic and troubleshooting advice that isn't formally documented anywhere, and learn amazing tips and techniques that will make you a remote-control superstar as soon as you're back in the office.

T13 - Manage and Monitor Your Network Anytime, Anywhere, on Any Device with PowerShell Web Access
Jason Helmick
Thursday, August 23: 11:00am – 12:15pm

Are you "on call" and worried to leave

the office? Not anymore! In this session with renowned PowerShell and IIS expert Jason Helmick, you will learn to implement and securely configure Windows Server 8 PowerShell Web Access. Take control with any device and cmdlets at your fingertips without the overhead of installing additional administration tools. You will leave with the slides, demonstration steps and Jason's tips to securely deploy and utilize PowerShell Web Access.

▶ *You will learn:*
- PSWA Automation deployment scripts
- Securing PSWA and IIS checklist
- Automated administration cmdlet scripts

T22 - Bend R2's Active Directory to Your Will
Mark Minasi
Thursday, August 23: 4:15pm – 5:30pm

Most of us who have to manage an AD sometimes run into a problem like "I need to disable all accounts that haven't logged on in the past 60 days," only to find that Active Directory Users and Computers

doesn't seem to be able to help much there. (It can, actually but you'd have to put on your diving helmet and sink many fathoms into LDAP query-land to get the job done.) So you wonder, "what to do here?" and start talking yourself into solving the problem by hand, click by click. You KNOW a few days of writing a VBScript or two might solve the problem, but that's an awful lot of work so, again, what to do?

Microsoft's given us the answer in their 76 shiny new Active Directory-related PowerShell commands. With a bit of practice, you can glue two or three PowerShell commands into a powerful one-liner that can do what used to take three days and 150 lines of VBScript... even if you've never written a line of code. (Or want to.) Join command-line techofreak Mark Minasi in a quick, clear guide to the PowerShell commands you need—and how to make them work together. Don't know PowerShell? No problem—every attendee will leave prepared to create their first "one-liner," even if they've never used PowerShell!

▶ *You will learn:*
- Gain comfort and facility with the R2 AD PowerShell cmdlets explained in simple English
- Walk away with bunches of working examples
- Demystify PowerShell and its AD module

Advisory Board

Doug Barney
Vice President, New Product Initiatives;
Editor in Chief, Redmond magazine

Doug Barney has been a technology journalist for nearly 20 years, serving as a writer, news editor and editor in chief. In the space of 25 months, Barney launched Redmond magazine, Redmond Channel Partner magazine and Redmond Developer News. Early in his career, Barney worked as a senior editor for the Microcomputing section of Computerworld. From there, he became editor in chief of AmigaWorld, a 100,000 circulation newsstand-driven publication. Later he joined InfoWorld, where he was the recipient of the Computer Press Association Award for Breaking News.

Lafe Low
Editor in Chief of TechNet Magazine

Lafe 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 magazines. 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.

Keith Combs
Senior Program Manager, Server and Tools Online,
Microsoft

Keith Combs is a Senior Program Manager for the Server and Tools Online organization. When Keith isn't immersed in technology, you can find him roaming the hills on a Harley Davidson, fighting a golf course, or spending time with his family. Keith's vision for life after Microsoft includes driving a golf range tractor and being your favorite moving target. Visit Keith's blog at http://blogs.technet.com/keithcombs/.

Bruce Hoard
Editor in Chief, Virtualization Review

Bruce Hoard has editor in chief of Virtualization Review for two and a half years, during which time he has been responsible for putting out the print magazine version of the publication while blogging and developing blogs for the publication's extensive website. Prior to working at 1105 Media, he was a successful freelance writer, editor and project manager for 20 years, working on a wide range of custom publications for the IT industry.

Mitch Ratcliffe Principal Program Manager, TechNet, Microsoft
Mitch Ratcliffe leads Microsoft EPX's Network Experience Team, which is responsible for the content and features strategy of TechNet and MSDN. His background and experience combine journalism and serial parallel entrepreneurship. He joined Microsoft in 2010 to redesign TechNet for better engagement with the needs of every visitor so that they can focus on realizing their potential with Microsoft as a partner in their success. Previously, Ratcliffe cofounded social metrics company BuzzLogic as chief scientist, and worked as editor-in-chief and chief content officer of the ON24 Financial Network, as well as Editor-in-Chief of Digital Media: A Seybold Report. His first board of directors experience was with Match.com, where he served for three years after leading SoftBank's investment.

Speakers

Conference Co-Chairs

Don Jones
TechMentor Conference Co-Chair

Founding Partner, Concentrated Technology

With more than fifteen years of IT experience, Don Jones is one of the world's leading experts on the Microsoft business technology platform. He's the author of more than 35 books, including Windows PowerShell: TFM, Windows Administrator's Scripting Toolkit, VBScript WMI and ADSI Unleashed, PHP-Nuke Garage, Special Edition Using Commerce Server 2002, Definitive Guide to SQL Server Performance Optimization, and many more. Don is a top-rated and in-demand speaker and serves on the advisory board for TechMentor. He is an accomplished IT journalist with features and monthly columns in Microsoft *TechNet Magazine*, Redmond magazine, and on Web sites such as TechTarget and MCPMag.com. Don is also a multiple-year recipient of Microsoft's prestigious Most Valuable Professional (MVP) Award, and is the Editor-in-Chief for Realtime Publishers.

Greg Shields
TechMentor Conference Co-Chair

Partner and Principal Technologist, Concentrated Technology

Greg Shields is a Senior Partner and Principal Technologist with Concentrated Technology. He also serves as a contributing editor and columnist for *TechNet Magazine* and Redmond magazine, and is a highly sought-after and top-ranked speaker for live and recorded events. With 15 years of IT experience, Shields is one of the world's leading experts on virtualization, cloud and systems management technologies. He can be found at numerous IT conferences such as TechEd, Microsoft Management Summit and VMworld, among others, and has served as Conference Chair for the 1105 Media TechMentor Conference since 2005. Shields has been a multiple recipient of both the Microsoft Most Valuable Professional award and the VMware vExpert award for his contributions to the worldwide virtualization community.

Speakers

Keynotes

Windows Azure Internals: A Look at How Windows Azure Operates Under the Hood

Mark Russinovich
Technical Fellow, Microsoft

The Flexible Workstyle - The Future of Managing and Supporting the Needs of IT and End Users

Stephen L. Rose
Sr. Community Manager, Windows OS, Microsoft

"There was a good selection of sessions and tracks. They were all very relevant to my responsibilities and challenges that I work with everyday."

WHY TECHMENTOR?

TechMentor has long been about "immediately useable IT training." That's why every TechMentor includes real-world strategies and tactics for Windows' most challenging topics. You'll learn how to be a smarter administrator, right from the world's smartest administrators – only at TechMentor.

Speakers

Chris Avis
IT Evangelist, Microsoft

I am a 15 year veteran of Microsoft. In my current role as an IT Evangelist, my job is to speak to IT Professionals (and anyone else that will listen!) about our cool products and technologies. I have worked with every Operating System produced my Microsoft since Windows 95 forward as well as every Server O/S, Office, SharePoint, Exchange and Proxy/ISA/TMG. I am currently spending a lot of time with the System Center Products including SCVMM, SCCM, SCOM, and DPM. Prior to working as an evangelist, I provided technical support and worked on the betas for the Small Business Server Product.

J. Peter Bruzzese
Instructor, TrainSignal/ClipTraining

J. Peter Bruzzese (Triple-MCSE, MCT, MCITP: Messaging) is a longtime contributor to Redmond, an InfoWorld journalist and the Exchange 2010 instructor for Train Signal. You can reach him at peter@trainsignal.com.

James Carrion
Owner, Mountain View Systems, LLC.

James Carrion, MCM R2 Directory, MCITP, MCSE, MCT, CCNA, CISSP has worked as a computer consultant and technical instructor for the past 16 years. He's the owner of and principal instructor for MountainView Systems, LLC, which specializes in accelerated Microsoft Certification training.

Adam Carter
Technical Evangelist, Microsoft

Yung Chou
Sr. IT Pro Evangelist, Microsoft Corporation

Yung Chou is currently a Sr. IT Pro Evangelist in Microsoft US Developer and Platform Evangelism team. Within the company, he has had opportunities serving customers in the areas of support account management, technical support, technical sales, and evangelism. Prior to Microsoft, he had established capacities in system programming, application development, consulting services, and IT management. His recent technical focuses have been in virtualization and cloud computing with strong interests in private cloud with service-based deployment and emerging enterprise computing architecture. He is a frequent speaker in Microsoft conferences, roadshow, and TechNet events.

Rick Claus
Senior Technology Evangelist, Microsoft

Rick Claus engages with the Technical Community on behalf of Microsoft Canada. Based in Ottawa, Ontario, Rick's role is to support platform awareness and skills development through special events targeting the broad community. Unofficially, Rick is focused on spreading his enthusiasm, passion and excitement on all things technical to anyone who has the time for a coffee (or pint) and a chat (in English or français - naturellement). Prior to joining Microsoft, Rick most recently worked as an Enterprise Architect. His previous design experience includes working on over 100 Active Directory implementations and migrations, highly available Exchange messaging solutions, and overall systems management. Rick brings over 20 years of IT experience, ranging from front line "in the trenches" admin duties, to training / mentoring / facilitating individuals and teams on how to use Microsoft technologies more effectively in their organizations.

Mike Danseglio
Principal Technologist,
Next Direction Technologies

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 OS operation and deployment. 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.

Jason Helmick
Director of PowerShell Technologies,
Interface Technical Training

Technical Training, and as a consultant, he focuses on automation with Active Directory and Internet Information Services. A founding designer of Interface's "HardHat" program, Jason teaches with a real-world view. His favorite phrase is, "You should be able to do the job on Monday." He is the co-founder and co-leader of the Arizona PowerShell User Group (AZPOSH) in Phoenix, Arizona.

Edward Horley
Principal Solutions Architect,
Groupware Technology

Ed Horley is a Principal Solutions Architect at Groupware Technology in the San Francisco Bay Area. Ed is actively involved in IPv6 serving as the co-chair of the California IPv6 Task Force http://www.cav6tf.org/ and additionally helping with the North American IPv6 Task Force http://www.nav6tf.org/ He also has articles published at Network World http://www.nww.com/ in addition to his own blog at http://www.howfunky.com/ Ed is a current Microsoft MVP (first awarded back in 2004) and has spent the last 15 years working in networking as an IT Professional. He is actively involved in the Pacific IT Professionals users group http://www.pacitpros.org/ - the largest IT Pro user group in Northern California. Contact him at ed@howfunky.com

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.

Dustin Ingalls
Group Program Manager, Microsoft

Sami Laiho
Senior Technical Fellow, Sovelto

Sami is a young but experienced trainer and consultant. Or how many 30 year old professionals can you find who have over ten years as an MCT and over 15 years as an Administrator? Sami is also an MVP in the Windows Client OS. Sami has been working with companies sized from tens of computers to tens of thousands of computers worldwide. Sami has been working in different TAP and RDP programs and was the lead consultant in the Windows 7 deployment planning for the city of Helsinki

- capital of Finland. Sami is an MCSE in Windows NT 4.0 and a five time MCITP in Windows Vista, Server 2008 and 7. Sami is the team lead at a Blog site called itpro.fi which is the biggest of its kind in Finland. Sami has built a free replacement for the SteadyState product called the Wioski (http://www.wioski.com/) and a free password resetting tool called http://www.getabrandnewpassword.com/. Sami also develops software for admins at a site called http://www.adminize.com/. Sami is also a certified scuba diving instructor and a medic first aid instructor. Sami delivers consultation and classroom training for advanced topics on Windows 8, 7, Windows Server 2008 R2, Active Directory, Security, WSUS, MDT 2010 and Group Policy.

Ed Liberman
Technical Trainer, 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
Systems Software Engineer, HP

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.

Deb McFadden
Principal Program Manager, Microsoft

Deb McFadden is currently responsible for functional design of System Center Configuration Manager (SCCM) features. Previous responsibilities in SCCM include people management, customer management for testing pre-release code in large enterprise customer sites and partner management for third party add on features to core product.

Ashley McGlone
Premier Field Engineer, Microsoft

Ashley McGlone is a Microsoft Premier Field Engineer (PFE). He started writing code on a Commodore VIC20 back in 1982, and he's been hooked ever since. As a former MCT Ashley used to teach MCSE classes on NT 4.0 and Windows 2000. Ashley spent eight years of his IT career administering a large enterprise where he scripted for Active Directory and thousands of workstations. Today he specializes in Active Directory and PowerShell, helping Microsoft Premier Customers reach their full potential through risk assessments and workshops. Ashley's favorite workshop to teach is Windows PowerShell Essentials, and his TechNet blog focuses on real-world solutions for Active Directory using Windows PowerShell.

TechNet Blog: http://blogs.technet.com/b/ashleymcglone

Twitter: @GoateePFE

Wally Mead
Senior Program Manager, Microsoft

Wally Mead had been with Microsoft for 20 years, starting in the Microsoft training group where he got his first exposure to systems management with SMS 1.0. He's been in the Configuration Manager product group for the past 11 years, working on all versions of the SMS/Configuration Manager product. Currently he works with TAP customers beta testing Configuration Manager 2012, as well as developing hands-on lab materials for conferences and TechNet Virtual Hands-on labs.

Mark Minasi
Chief Scientist, 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.

Gary Olsen
Solution Architect, HP Technology Services

Gary is a Solution Architect in Hewlett-Packard's Technology Services organization and lives in Roswell, GA. Gary has worked in the IT industry since 1981 and holds an MS in Computer Aided Manufacturing from Brigham Young University. Gary has authored numerous technical articles for TechTarget (http://searchwindowsserver.techtarget.com), Redmond magazine (www.redmondmag.com) and *TechNet Magazine*, and has presented numerous times at the HP Technology Forum, TechMentors Conference and at Microsoft TechEd 2011. Gary is a Microsoft MVP for Directory Services and is the founder and President of the Atlanta Active Directory Users Group (http://aadug.org).

Michael Niehaus
Sr. Program Manager, Microsoft

Michael Niehaus is a Senior Software Development Engineer in Microsoft's Solution Accelerator team. He is the lead developer for the Microsoft Deployment Toolkit, a free collection of tools and guidance for deploying Windows and Microsoft Office faster and more efficiently. Prior to joining Microsoft in 2004, Michael spent his entire career in enterprise IT, focused on deploying and managing Microsoft software.

Symon Perriman
Technical Evangelist, Microsoft

As Microsoft's corporate Technical Evangelist covering Private Cloud, System Center, Virtualization and High-Availability, Symon Perriman is a recognized industry expert in datacenter management, private cloud, virtualization, high-availability, disaster recovery and mobile technologies. Previously he spent 4 years as a Program Manager on the Server Clustering & High-Availability team and has been working in the tech industry since 2002. Symon holds several patents; contributed to several technical books for clustering, virtualization and SQL; has had his technologies featured in PC Magazine; founded the Failover Clustering & Network Load Balancing Blog; and also serves as President & Founder of FanWide Technologies LLC. He graduated from Duke University with degrees in Computer Science, Economics and Film & Digital Studies.

Mike Pfeiffer
Director of Unified Communications, Interface Technical Training

Mike Pfeiffer is the Director of Unified Communications for Interface Technical Training, where his main focus is teaching people how to implement Exchange and Lync Server solutions in the real world. Prior to joining Interface, Mike spent over 12 years

working as an enterprise consultant focused on Active Directory and Exchange Server related projects. He is a Microsoft Certified Master on Exchange 2010, a Microsoft Exchange MVP, and the author of the Microsoft Exchange 2010 PowerShell Cookbook. You can find Mike online at mikepfeiffer.net, where he blogs regularly about Exchange-related topics.

Scott Roberts
Principal Program Manager Lead,
Windows Networking, Microsoft

Principal Program Manager Lead in the Windows 8 Networking team. Responsible for Network Security, Seamless Connectivity, DirectAccess, and cross premise cloud connectivity. This includes technologies such as Windows Firewall, IPsec, TCP/IP v6, v6 transition technologies, and related components. Joined Microsoft in 2001 within Microsoft Consulting Services (MCS), UK, and then in 2003 transitioned to the Microsoft Security Response Center (MSRC) in Redmond to help lead the responses to attacks such as the Blaster Internet worm. Worked in MSRC/SEC for 4 years. Handled hundreds of security investigations, shipping 50+ security bulletins, and other various internal security projects. Joined the Windows development team in 2007 to help develop Windows 7 and continued through into Windows 8.

Bruce Rougeau
Consultant Level IV, HP

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.

Avril Salter
Principal Technologist,
Next Direction Technologies

Dr. Salter is a consultant, writer and technical trainer with over 20 years of industry experience in deploying wireless networks and managing IT operations. She has held executive and technical positions at small start-ups and major corporations including IBM, Intel, Microsoft, Motorola, and Sprint. Dr. Salter's operations experience includes running an enterprise wide IT department for a major corporation with international engineering and manufacturing facilities. More recently she has advised corporations on the strategic

and tactical implications of adopting cloud based technologies. Dr. Salter has worked extensively in Europe, North America, Asia, and the South Pacific. Dr. Salter received her Ph.D. in engineering from the University of Reading, UK.

Doug Warden
Instructor, Southern Alberta Institute
of Technology

Doug has been working in the IT field for nearly 20 years, holding a wide variety of positions in companies varying in size from 2 computers through thousands. Besides the oddity of being Canadian and referring to himself in the third person when writing biographies, he has also collected a bunch of letters after his name while working as an MCT, but feels a little awkward listing them all.

Doug has been involved in massive planning and deployment of AD in the corporate world, worked in Unix environments, done large desktop roll-outs for the oil and gas industry. These days, Doug focuses mostly on his college students, teaching server technologies, security, wireless and Cisco networking, trying to pound some learning into their heads while keeping it fun.

With over 10 years of IT teaching, it's safe to say that Doug loves teaching and thinks connecting with students makes teaching one of the most rewarding professions a person can have.

> "Great instructors and great speakers. I am never disappointed in my TechMentor experience."

Harold Wong
Senior IT Pro Evangelist, Microsoft

Harold Wong has been with Microsoft for almost 12 years. Harold started as a pre-sales Systems Engineer focused on Exchange Server but has been an IT Pro Evangelist since July of 2004. Although Harold is a generalist across most Microsoft Infrastructure Servers, he has been focused on the Unified Communications area (Exchange Server and Office Communications Server / Lync Server) for quite some time. Recently, Harold has also added "Cloud" computing to his repertoire in the hopes of helping IT Pros better understand the role of Cloud Computing. Outside of work, Harold enjoys spending time with his family, finding and eating great sushi and playing Xbox Live (Halo Reach mostly).

Hotel & Travel

CONFERENCE VENUE, TRAVEL AND HOTEL DEALS

TechMentor is coming to the Microsoft Campus in Redmond, Washington for the first time in 2012 for in-depth training from IT experts and Microsoft technology leadership.

Microsoft Headquarters

*Microsoft Conference Center
(Building 33)
16070 N.E. 36th Way
Redmond, WA 98052
Business Center Desk: 425.703.1800*

Hotel Accommodations

*Hyatt Regency Bellevue
900 Bellevue Way N.E.
Bellevue, WA 98004*

Book your room at the Hyatt Regency Bellevue before July 16, 2012 at the special TechMentor attendee rate of $199/night, plus tax, for single or double occupancy. Reservations can be made online.

The Hyatt Regency Bellevue is approximately 5.8 miles from the Microsoft Conference Center and shuttles will be available for those attendees who register in the TechMentor room block.

Rooms at the Hyatt Regency Bellevue in the TechMentor Room Block include:

- Complimentary in-room internet connectivity
- Complimentary access to the Hyatt Stay Fit gym and heated lap pool

TRAVEL

Air Travel Discounts

United Airlines is offering discounts to TechMentor attendees for travel to Seattle between August 15 and August 29, 2012. Each Mileage Plus member will receive full credit to their account for all miles flown when attending TechMentor. To take advantage of these discounts, please call toll-free, or have your travel agent call: 800.521.4041, reference number #588LE. This discount is not available when booking online.

Car Rental Discounts

Avis is the official car rental company for TechMentor Redmond 2012. For reservations, call 888.754.8878 and use the AVIS worldwide discount code is D005872, or book online.

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SHUTTLE SERVICE TO AND FROM THE MICROSOFT CAMPUS

TechMentor will be providing daily complimentary shuttle transportation between the Hyatt Regency Bellevue and the Commons on the Microsoft Campus. This shuttle service will be available to all attendees with a valid conference badge.

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Airport Transportation

Area hotels do not provide airport transportation, but there are several options:

Shuttle Express

206.622.1424
From SeaTac Airport: guests can dial 48 at the information center in baggage claim to arrange for transportation. Two hours advance reservation is required. 1st Adult: $26.00; 2nd Adult: $4.00; Additional Adults: $5.00 (Credit cards accepted)

Taxi or Town Car

One-way fare averages $50-$60.

DISCOVER REDMOND AND SEATTLE

From the iconic Space Needle to the awesome Experience Music Project, you'll find plenty to do in your off-hours in the Pacific Northwest.

Can't wait to take in all the wonderful things Redmond, Bellevue and the "Emerald City" have to offer? Find out more at www.visitseattle.org.

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The TechMentor 5-Day Best Value Package is your five day all-access pass to every keynote, session, workshop and event August 20-24.

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▶ Receptions	
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▶ Lunch (August 20-24)	
▶ Coffee and Morning Pastries	
▶ Laptop Computer Bag	
▶ T-shirt with Completed Survey	
▶ Proceedings CD of all course notes	**$1,895**

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▶Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue	**$3,095**

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TechMentor 3-Day Conference Package

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▶ Laptop Computer Bag	
▶ T-shirt with Completed Survey	
▶ Proceedings CD of all course notes	**$1,495**

Workshop Pass

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Workshop Pass

TechMentor Workshop Pass Includes:

▶Pre-Conference Workshop – Monday, August 20, 2012; OR Post-Conference Workshop – Friday, August 24

$495

The TechMentor Workshop Pass grants you access to one full-day workshop on either Monday, August 20 OR Friday, August 24.

Conference Proceedings

TechMentor Proceedings Book Includes:

▶Conference session slides and space for taking notes

$45

All attendees will receive the TechMentor Attendee proceedings CD. However, the full TechMentor Redmond proceedings book is available for $45 and contains all of the session slides contained in the CD with plenty of extra space for taking notes.

MCITP: Windows Server 2008 Server Administrator Certification Kit*

$60.00 – 50% off the standard price

Attending the TechMentor MCITP Certification Skills Refresher track? Be sure to add the Sybex certification kit to your registration. While not a requirement to attend the MCITP sessions, the boxed set is a helpful study aid and reference tool for those interested in taking the MCITP certification exam and provides everything you need to prepare for MCITP certification in Windows Server 2008 administration. You'll find full coverage of all exam objectives, exercises to hone your skills, and over 750 practice questions.

*Purchased books will be available for pick-up at the registration desk. This offer is only available as a pre-order and will not be available onsite.

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Group discounts are available for companies who bring 3 or more people.

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▸ Pre-conference workshops

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▸ Networking Events

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We offer full-time college students from accredited universities a discount off of the full priced conference registration fees. To qualify for this discount, please contact the registration office at 1.541.346.3537 and be prepared to provide a copy of your student identification card.

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