TechMentor 2014 Tracks:

- Windows PowerShell
- Security and Ethical Hacking
- System Center
- Windows Server
- Advanced Group Policy
- Hybrid Cloud and Virtualization
- “Jack of All Trades” - Deepen Your Resume

DATA CENTER EDITION

Focused on:
- System Center
- Automation
- Manageability

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“Overall, this conference was awesome. Not one boring session and excellent speakers. Topics were relevant to today’s tech. I will put some of what I learned to use as soon as I get back.”

- Steve Harper, PC Support Engineer, Lake Trust Credit Union

REGISTER NOW AT techmentorevents.com/redmond
A Message from the Co-Chairs
Don Jones & Greg Shields

Join us on the Microsoft Campus in Redmond, WA for TechMentor 2014: Datacenter Edition! In this special TechMentor, we’re focused entirely on making your server and management infrastructure more modern, more capable, and more manageable. We’ve heard you clearly: you’ve got your client situation under control, and you’re looking to start squeezing more return from your existing server and infrastructure investments (including better centralized management of those clients). That’s what “Datacenter Edition” means to us: a focus on those back-end investments.

We’re not asking you to upgrade all of your machines to the latest versions of Microsoft’s products – we’ve included plenty of modernization tips for the solutions and operating systems you have right now, as well as helping you prepare – and make a case for – the next generation of Microsoft technologies.

Whether your datacenter has a dozen servers or several thousand; whether they’re centralized or distributed globally; whether they’re physical or virtual; whether they’re on-premises or deployed in the cloud; TechMentor offers the cutting-edge education designed to help you get the most from your current investment, while making smart decisions for future technology investments.

We’re offering a balance of 75-minute breakout sessions, intense 3-hour deep dives, and a selection of bring-your-own-laptop hands-on sessions to bring you truly detailed information that’s accurate, timely, and immediately usable back in the office. Plus, you’ll be at the heart of it all – the idyllic Microsoft’s Headquarters!

We’ll see you in Redmond!

Don Jones
TechMentor Co-Chair
Greg Shields
TechMentor Co-Chair
TOP 10 REASONS TO ATTEND TECHMENTOR REDMOND

1. **Come to the IT Classroom on Campus.** Sometimes, stepping away from everything is the best way to learn anything. Attending a live conference remains the best way to stay current in the ever-changing IT industry. You need a single event that will cover all your bases, taking place at THE source of all things Microsoft – you need TechMentor!

2. **In-Depth, Relevant Training Created for IT Pros.** 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.

3. **Modernize Your Datacenter.** We’ve especially crafted this year’s agenda so that you can start squeezing more return from your existing server and infrastructure investments. That’s what “Datacenter Edition” means to us: a focus on those back-end investments. We’re focused on modernization tips for the solutions and operating systems you have right now, and on helping you prepare for the next generation of Microsoft technologies.

4. **Get Hands-on Training HERE.** We offer nine (9) hands-on labs – laptops required – covering everything from PowerShell to handling a Windows crash to troubleshooting and group policy intensive training. Bring your laptop and get hands-on!

5. **Learn from the Best.** The speakers at TechMentor are some of the best in the business. Don’t miss your chance to learn from experts such as Master Consultant Bruce Mackenzie-Low, Microsoft Sr. IT Evangelist Yung Chou, and TechMentor Conference Co-Chairs Don Jones and Greg Shields.

6. **Dive Deep!** Ever leave a conference session thinking, “One hour was only enough time to scratch the surface. I wish there were more time to really dig in”? Well, we read your mind (and your conference evaluations). We devote two days in August to 3 hour, content-rich deep dives, allowing ample time to dig into the details of today’s technology.

7. **Live like a Blue Badge for the Week.** TechMentor is BACK at Microsoft Headquarters in Redmond, WA. Take advantage of this opportunity to get inside the technological mecca – you’ll have the chance to explore the campus, visit the employee-only area of the company store, lunch with Microsoft employees, and more!

8. **Network. Network. Network.** There’s plenty of time between sessions, during meals, and at any of the scheduled activities to get to know your fellow attendees, learn from their experiences, and share a few of your own.

9. **Just the Right Size.** TechMentor Redmond is a boutique IT conference, and it’s for a reason! The smaller conference size allows attendees to have one-on-one time with both speakers and fellow attendees. Take advantage of time between sessions, meals and networking events to mix and mingle – IT education doesn’t stop in the classroom!

10. **Pitch-Free Content.** Sales pitches have no place in the world of TechMentor. We only allow unbiased, technical training from today’s most renowned and experienced IT experts.

“I liked all the topics and wished I could have been in two sessions at the same time.”

- Bill Bailey,
  IT Manager, Vice President, Farmers Bank

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Events & Activities

Your attendance at TechMentor Redmond is about learning from your peers as well as the experts; make the most of your time with us and add these events and activities to your itinerary!

Activities:

Access to the Microsoft Company Store
You bring the money, we get you the special access!*  
Monday, August 11 & Thursday, August 14

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 8.1, Office 2013, 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.

**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.

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 the computer and software industry.

Meet the 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 the 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.
Events & Activities (continued)

Events:

Dine-A-Round Dinner
Monday, August 11
Join other conference attendees and speakers for a casual, no-host dinner and make a few new friends while enjoying the fun and delicious restaurants in the Bellevue area. This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Attendees can break into smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

Lunch with the Blue Badges
Monday, August 11 & Thursday, August 14
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 & Exhibitor Reception
Tuesday, August 12
TechMentor Redmond’s Exhibitor Reception will be combined with a 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 exhibits, network with fellow attendees and get answers to your questions for the experts and the exhibitors.

Birds-of-a-Feather Lunch
Wednesday, August 13
Plumb the knowledge and experience of your colleagues, conference speakers and exhibitors by participating in one of the BoF Tables discussions. These tables are designated with a sign and seating is on a first-come basis. There will be a wide variety of topics including:

Table Topics:
- Windows PowerShell & Automation
- Exchange Server 2012
- Internet Explorer and IIS
- Active Directory
- SharePoint
- Windows Server 2012
- Hyper-V v3
- Tips & Tricks in Desktop Management
- Preparing for IT Certification
- Office 365
- Best Methods for IT Training
- System Center
- SQL Reporting

Rock and ROLL with us!
Lucky Strike Evening Out Party Wednesday, Aug 13
Rock your content on campus by day, roll your way to fun Wednesday night! Head to Lucky Strike in Bellevue (located next to the conference hotel) for a rousing good time. Network with your fellow attendees and speakers, bowl a few frames, shoot a little pool or channel your inner teenager at the arcade. Plus, enjoy food, drinks and a great atmosphere!

REGISTER NOW AT techmentorevents.com/redmond
## Agenda at a Glance

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

### TechMentor Pre-Conference Workshops: Monday, August 11, 2014

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<thead>
<tr>
<th>START TIME</th>
<th>END TIME</th>
<th>Session</th>
<th>Description</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>9:00 am</td>
<td>Registration</td>
<td>Coffee and Morning Pastries</td>
</tr>
<tr>
<td>9:00 am</td>
<td>12:00 pm</td>
<td>MW01</td>
<td>The Ultimate Windows PowerShell Crash Course (BYOL-HOL) - Don Jones</td>
</tr>
<tr>
<td>9:00 am</td>
<td>12:00 pm</td>
<td>MW02</td>
<td>Advanced Windows Troubleshooting Workshop (BYOL-HOL) - Bruce Mackenzie-Low</td>
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<tr>
<td>12:00 pm</td>
<td>2:30 pm</td>
<td></td>
<td>Lunch @ The Mixer - Visit the Microsoft Company Store &amp; Visitor Center</td>
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<tr>
<td>2:30 pm</td>
<td>5:30 pm</td>
<td>MW01</td>
<td>Session Continues</td>
</tr>
<tr>
<td>7:00 pm</td>
<td>9:00 pm</td>
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<td>Dine-A-Round Dinner</td>
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### TechMentor Day 1: Tuesday, August 12, 2014

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<tr>
<th>START TIME</th>
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<tr>
<td>7:30 am</td>
<td>8:30 am</td>
<td>Registration</td>
<td>Coffee and Morning Pastries</td>
</tr>
<tr>
<td>8:30 am</td>
<td>9:30 am</td>
<td>T01</td>
<td>Anytime, Anywhere, Anydevice Management with PowerShell Web Access - Jason Helmick</td>
</tr>
<tr>
<td>9:45 am</td>
<td>11:00 am</td>
<td>T02</td>
<td>Migrating Failover Clusters - Time to Upgrade? - Bruce Mackenzie-Low</td>
</tr>
<tr>
<td>11:15 am</td>
<td>12:30 pm</td>
<td>T05</td>
<td>The Top PowerShell Gotchas and How to Avoid Them - Jason Helmick</td>
</tr>
<tr>
<td>11:15 am</td>
<td>12:30 pm</td>
<td>T06</td>
<td>Improve Your Tech Writing Skills: Lessons from Redmond Magazine’s Editor-in-Chief - Jeffrey Schwartz</td>
</tr>
<tr>
<td>11:15 am</td>
<td>12:30 pm</td>
<td>T07</td>
<td>Group Policy Change Control with Microsoft AGPM - Jeremy Moskowitz</td>
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<tr>
<td>12:30 pm</td>
<td>2:00 pm</td>
<td>T08</td>
<td>To Be Announced</td>
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<tr>
<td>2:00 pm</td>
<td>3:15 pm</td>
<td>T09</td>
<td>CIM-ple Remote Management with PowerShell - Jefferi Hicks</td>
</tr>
<tr>
<td>2:00 pm</td>
<td>3:15 pm</td>
<td>T10</td>
<td>Active Directory Attribute-Level Recovery When the AD Recycle Bin Cannot Help - Ashley McGlone</td>
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<tr>
<td>3:15 pm</td>
<td>4:00 pm</td>
<td>T11</td>
<td>SQL Server Maintenance for the &quot;Reluctant DBA&quot; - Don Jones</td>
</tr>
<tr>
<td>3:15 pm</td>
<td>4:00 pm</td>
<td>T12</td>
<td>Making the Switch from VMware to Hyper-V - Andre Garcia and Rob Marino</td>
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<tr>
<td>3:45 pm</td>
<td>5:00 pm</td>
<td>T13</td>
<td>Desired State Configuration Architecture and Overview - Don Jones</td>
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<tr>
<td>3:45 pm</td>
<td>5:00 pm</td>
<td>T14</td>
<td>Migrate GPOs From One Domain or Forest to Another - Ashley McGlone</td>
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<tr>
<td>3:45 pm</td>
<td>5:00 pm</td>
<td>T15</td>
<td>System Center and the Modern Datacenter: A Tactical Briefing - Greg Shields</td>
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<tr>
<td>3:45 pm</td>
<td>5:00 pm</td>
<td>T16</td>
<td>Discussion: What’s Your Hypervisor Choice? Why? - Jeffery Schwartz</td>
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<tr>
<td>5:00 pm</td>
<td>6:30 pm</td>
<td></td>
<td>Microsoft Ask the Experts &amp; Exhibitor Reception – Attend Exhibitor Demos</td>
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Sessions and speakers subject to change. **RA**: Optionally Bring Your Own Laptop to Ride Along with the Speaker, **HOL**: Bring Your Own Laptop for Hands-On Labs (see session description for prerequisites)
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<th>Windows PowerShell</th>
<th>System Center</th>
<th>Windows Server</th>
<th>Advanced Group Policy</th>
<th>Hybrid Cloud and Virtualization</th>
<th>Jack of All Trades</th>
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<td>7:30 am</td>
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<td>Registration - Coffee and Morning Pastries</td>
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<tr>
<td>8:00 am</td>
<td>9:00 am</td>
<td>Keynote: How Microsoft Could Make the Client Not Matter (or, Using Your Microsoft Crystal Ball) - Don Jones, Concentrated Technologies</td>
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<td>9:00 am</td>
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<td>Networking Break – Visit Exhibitors</td>
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<td>9:30 am</td>
<td>12:30 pm</td>
<td>W01 - Toolmaking: Building Reusable Tools in PowerShell (BYOL-RA) - Don Jones</td>
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<td></td>
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<td>W02 - Ethical Hacking Part 1: Recon and Information Gathering - Mike Danseglio &amp; Avril Salter</td>
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<td>W03 - The ABC’s of SMA: An in Depth Introduction to Service Management Automation - Neil Peterson</td>
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<td>W04 - Building and Automating a Virtualized Datacenter with Hyper-V and System Center - Greg Shields</td>
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<td>12:30 pm</td>
<td>2:00 pm</td>
<td>Birds-of-a-Feather Lunch – Visit Exhibitors – Exhibitor Raffle @ 1:40 pm (Must be present to win)</td>
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<td>2:00 pm</td>
<td>5:00 pm</td>
<td>W05 - Creating Graphical PowerShell Tools (BYOL-HOL) - Jeffery Hicks</td>
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<td>W06 - Ethical Hacking Part 2: Network Penetration, Sniffing, and Denial of Service - Mike Danseglio &amp; Avril Salter</td>
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<td>W07 - System Center Orchestrator for the Uninitiated - Jason Helmick</td>
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<td>8:00 pm</td>
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<td>TechMentor Day 3: Thursday, August 14, 2014</td>
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<td>Registration – Coffee and Morning Pastries</td>
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<tr>
<td>9:00 am</td>
<td>12:00 pm</td>
<td>TH01 - Building DSC Resources in Windows PowerShell - Steven Murawski</td>
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<td>TH02 - Forensic Computer Investigations in a Windows Environment - Mike Danseglio</td>
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<td>TH03 - Pro Tips for Automating App Deployment in System Center Configuration Manager - Greg Shields</td>
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<td>TH04 - Master Windows Azure Infrastructure Services in Three Hours - Yung Chou</td>
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<td>12:00 pm</td>
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<td>Lunch @ The Mixer – Visit the Microsoft Company Store &amp; Visitor Center</td>
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<td>2:00 pm</td>
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<td>TH05 - Managing Hyper-V with PowerShell (BYOL-RA) - Jeffery Hicks</td>
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<td>TH06 - Wireless Sniffing for IT Pros, Not Hackers (BYOL-HOL) - Avril Salter</td>
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<td>TH07 - Implementing a Self-Service, Multi-Tenant, On-Premises Cloud Solution with Windows Azure Pack - Yung Chou</td>
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<td>TH08 - Virtualization &amp; Storage: Go from Novice to Expert on Deduplication, Management and Tuning - Rick Vanover</td>
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<td>START TIME</td>
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<td>TechMentor Post-Conference Workshops: Friday, August 15, 2014 (Separate entry fee required)</td>
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<td>8:30 am</td>
<td>9:00 am</td>
<td>Post-Conference Workshop Registration – Coffee and Morning Pastries</td>
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<tr>
<td>9:00 am</td>
<td>12:00 pm</td>
<td>FW01 - Automation in the Real World - How Stack Overflow does IT - Steven Murawski</td>
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<td>FW02 - Secure Access from Everywhere! Implementing Direct Access with Windows Server 2012 R2 - Richard Hicks</td>
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<td>FW03 - IS Administration for the &quot;Reluctant Webmaster&quot; - Jason Helmick</td>
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<td>12:00 pm</td>
<td>1:00 pm</td>
<td>Lunch</td>
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<td>1:00 pm</td>
<td>4:00 pm</td>
<td>FW04 - Document Everything with PowerShell (BYOL-RA) - Jeffery Hicks</td>
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<td>FW05 - Integrating Your On-Premise Active Directory with Azure and Office 365 (BYOL-HOL) - Mike Nelson</td>
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<td>FW03 - Session Continues</td>
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Keynotes

**Keynote: The Impact of Microsoft Azure**
Mark Russinovich, Technical Fellow, Windows Azure Product Team, Microsoft Corporation
**Tuesday, Aug. 12, 8:30 am – 9:30 am**

Whether or not you’re using the public cloud today, it’s critical to understand how Microsoft is building Microsoft Azure and the expanding capabilities of the cloud into the company’s infrastructure strategy. Using the learning from over 200 enterprise cloud services and the global datacenters that support those services, Microsoft is adding capabilities to both Windows Server and Microsoft Azure. In some cases, features added to Windows Server are first appearing in Microsoft Azure, such as Hyper-V’s support for 8 cores.

In his opening keynote address, Mark Russinovich, a Technical Fellow in Microsoft’s cloud and enterprise division and an architect for Microsoft Azure, will explain how organizations are using the Microsoft infrastructure products to build private and hybrid clouds. While many are using Windows Server and Microsoft System Center to build cloud infrastructures within their internal datacenters, Microsoft’s commitment to consistency between clouds means that they can easily tap into Microsoft Azure when they need added compute or storage capacity. Others have ported entire applications and associated data to Microsoft Azure or are running customer and partner-facing sites.

**Keynote: How Microsoft Could Make the Client Not Matter (or, Using Your Microsoft Crystal Ball)**
Don Jones, Concentrated Technologies
**Wednesday, Aug. 13, 8:00 am – 9:00 am**

Microsoft’s “cloud first” and other engineering directions are changing the way you have to think about your datacenter – and providing clues about where Microsoft is headed. This isn’t a “paradigm shift” or a push for “private cloud,” it’s a wink-and-a-nudge from Microsoft about how they’ll be making us manage our environments – and about where they believe the IT industry is headed. Join industry insider and Decision Maker columnist Don Jones for a look at how Microsoft could be protecting themselves against a loss of market share outside the datacenter, and for tips on how journalists and analysts like Don try to piece together the evidence and decipher Microsoft’s strategic future.

Track Descriptions

**Security and Ethical Hacking**

Learn to secure your environment – and how attackers will try to get around you! Learn how to “think like a hacker” so that you can prevent hackers from even getting within spitting distance of your organization’s valuable electronic assets. We’ve assembled some of the best in the industry to guide you through deep-dives on computer forensics, ethical hacking, wireless networking, and more.

**W06 Ethical Hacking Part 2: Network Penetration, Snooping, and Denial of Service**
Intermediate

Mike Danseglio & Avril Salter
**Wednesday, Aug. 13, 2:00 pm – 5:00 pm**

Ethical Hacking is the best way to find vulnerabilities the way real hackers do: By using their tools and processes. This session explores how hackers work and how they begin attacking those networks. You’ll see real-time wired and wireless network penetration attacks using current hacker tools. Special attention is paid to wireless because it provides a more favorable cost/benefit to hackers. You’ll see tools that silently snoop and extract data from your servers as well as tools like the Low Orbit Ion Cannon that have only one purpose: To destroy your assets. Be warned!

This session is not for those with weak IT department does but for planning and attacking your systems. This session will include demonstrations of live hacking including social media scanning and external network footprinting.

At the end of this session an attendee will be able to apply hacker techniques to examine a network, determine and prioritize optimal targets for hacking, select the most appropriate attack for a given asset, and create and implement an attack plan using hacker methodologies.

**Track Descriptions**

**W02 Ethical Hacking Part 1: Recon and Information Gathering**
Intermediate

Mike Danseglio & Avril Salter
**Wednesday, Aug. 13, 9:30 am – 12:30 pm**

Ethical Hacking is the best way to find vulnerabilities the way real hackers do: By using their tools and processes. This session explores how hackers work and how they begin attacking those networks. You’ll learn how a hacker decides your assets are hack-worthy and how they begin to attack your systems without sending you a single packet. You’ll also see how hackers build a network map of your enterprise... just like your own...
constitutions as many of the attacks are difficult or impossible to defend against. This session will include demonstrations of live wireless hacking and Denial of Service (DOS) attacks.

At the end of this session an attendee will be able to select and attack the most vulnerable network, deploy and manage network snooping and enumeration tools, and decimate servers and network assets with freely available hacker tools.

TH02 Forensic Computer Investigations in a Windows Environment
Intermediate
Mike Danseglio
Thursday, Aug. 14, 9:00 am – 12:00 pm

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. But training on forensic investigation is expensive and centered on law enforcement-based on business and legal criteria, collect the most effective data without tampering with the computer or the evidence, identify and use appropriate forensic tools for a given investigation scenario, conduct a thorough investigation using industry best practices, and create and deliver a forensic investigation report to Human Resources, senior management, and other relevant audiences.

TH06 Wireless Sniffing for IT Pros, Not Hackers (BYOL-HOL)
Intermediate
Avril Salter
Thursday, Aug. 14, 2:00 pm – 5:00 pm

The vast majority of organizations use wireless networking to meet the needs of mobile users, portable devices, and other demands of modern business. But few stop to think about exactly how this technology works. They deploy the latest standard with the highest security settings and assume that’s enough. But nothing could be further from the truth. Using the appropriate channel, encryption, authentication, QoS, and other configuration settings makes the difference between a fast, stable network and one that is a chore to use and manage.

IT Pros can choose from a variety of wireless monitoring tools and techniques to manage network performance, but many believe these are the tools of evildoers, spies, or worse. This session dispels the myth by exploring how to use tools like NetMon, Wireshark and NetStumbler to capture, analyze, and troubleshoot wireless problems during everyday operations.

Dr. Avril Salter has been sniffing wireless networks and showing folks how to identify common traffic and security issues for years. In this session attendees will be given real life wireless packet captures and learn how to identify common wireless problems, including misconfigured Windows settings that broadcast sensitive data as well as more expected issues like nefarious intruders, and audio and video streams overloading network capacity.

At the end of this session attendees will be able to know how to avoid the top five most common wireless Windows configuration problems, understand the tools needed to sniff wireless networks, describe the key technical aspects of a wireless network that are essential for configuring Windows computers correctly, compare and contrast radio technologies supported by Windows, determine the right Windows configuration for appropriate yet secure data access, determine the cause of wireless network capacity limitations, develop a solid understanding in how to troubleshoot wireless networks, and apply packet analysis techniques and tools to helps ensure that their wireless network remains fast, stable, and secure.

Windows PowerShell

TechMentor brings you an unprecedented, best-in-the-world level of Windows PowerShell coverage with one entire session room dedicated to five days of hardcore education from the finest experts on the planet! Go from zero to hero. Learn to build tools. Master Desired State Configuration. Generate reports. Do everything in PowerShell – and learn it in just one week.

MW01 The Ultimate Windows PowerShell Crash Course (BYOL-HOL)
Introductory / Intermediate
Don Jones
Monday, Aug. 11, 9:00 am – 12:00 pm & 2:30 pm – 5:30 pm

It’s time to master Windows PowerShell. Actually, you’re about seven years and four versions behind the curve, so you’ll
need one of the world’s best instructors if you want to catch up. We suggest Concentrated Technology’s Don Jones, MVP award recipient and co-author of a half-dozen books on Windows PowerShell, including Learn Windows PowerShell 3 in a Month of Lunches.

In this class, you’ll go from “zero to hero,” learning all of the unique PowerShell tricks that are impossible to learn on your own. You’ll master the object-oriented pipeline, learn PowerShell’s syntax rules, and discover how to get the shell to teach you how to use itself! This is a demonstration-heavy class that moves quickly and covers about three days of training in just six hours. You’ll explore every core feature of Windows PowerShell, and you’ll be ready to tackle the more advanced and practical PowerShell sessions presented during the main TechMentor conference. You’ll also get a peek of more-advanced features of Windows PowerShell v3 and v4, although most of this class is applicable to v2 and later running on Windows XP or Windows Server 2003 and later.

You will learn:
• The shell stuff you can’t teach yourself
• Rapidly master core shell concepts and techniques
• Become “immediately effective” as a shell tool user

This is a Bring Your Own Laptop (BYOL) Hands-On Lab (HOL) class. The instructor will provide hands-on experiences during class, which you will accomplish on your laptop. Power will be available in the room. Your laptop should have Windows Management Framework v3.0 or later installed (available on Windows 7 and later).

T01 Anytime, Anywhere, Anydevice Management with PowerShell Web Access
Intermediate / Advanced
Jason Helmick
Tuesday, Aug. 12, 9:45 am – 11:00 am

Are you “on-call” and worried to leave the office? Do you carry your laptop on vacation? Not anymore! In this session with renowned PowerShell MVP and IT expert Jason Helmick, you will learn to implement and securely configure PowerShell Web Access. Take control from any device or computer with a browser and have your scripts and cmdlets at your fingertips. You will manage, troubleshoot, run reports, whatever you need, in a safe and secure console - even from the beach! 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

T05 The Top PowerShell Gotchas and How to Avoid Them
Intermediate / Advanced
Jason Helmick
Tuesday, Aug. 12, 11:15 am – 12:30 pm

Accelerate your ability to effectively use PowerShell in your environment by avoiding the pitfalls! Whether you’re new to PowerShell, or an experienced old hand, let PowerShell MVP Jason Helmick take you through the most common stumbling blocks that slow administrators down. Learn best practices to improve your scripting and time saving pipeline techniques. You will understand more about syntax and reduce confusion and errors.

You will learn:
• To avoid the most common “gotchas” in PowerShell
• Improve your scripting and reduce your errors
• Gain a deeper understanding of how PowerShell works

T09 CIM-ple Remote Management with PowerShell
Introductory / Intermediate
Jeffery Hicks
Tuesday, Aug. 12, 2:00 pm – 3:15 pm

Managing remote computers has always meant using Windows Management Instrumentation (WMI). Back in the day, that meant complicated scripts written in VBScript. PowerShell changes all of that and makes it very easy to manage 1, 10 or 1000 machines with WMI.

In this demo-packed session you’ll navigate WMI’s murky and mysterious waters using Windows PowerShell. You’ll explore the legacy WMI approach as well as the newer, more firewall-friendly, approach using CIM. Don’t know what that means? Then don’t miss this session led by Prof. PowerShell and MVP Jeff Hicks.

You will learn:
• Master DSC architecture and concepts
• Emerging practices and implementation tasks
• Design your DSC infrastructure

T13 Desired State Configuration Architecture and Overview
Intermediate / Advanced
Don Jones
Tuesday, Aug. 12, 3:45 pm – 5:00 pm

It’s time to de-mystify Microsoft’s new declarative configuration management technology. MVP and author Don Jones, CEO of PowerShell.org, explains what DSC is, how it works, and how you can immediately begin using it in production. You’ll learn about DSC’s push and pull configuration models, and get access to the scripts that configure a pull server from scratch and create sample configurations to test.

DSC is the future of configuration management in a Windows Server world, so don’t miss this important breakout session! Focuses on PowerShell v4 (which is where DSC was introduced) on Windows 7, Windows Server 2008 R2, and later.

You will learn:
• Master DSC architecture and concepts
• Emerging practices and implementation tasks
• Design your DSC infrastructure

W01 Toolmaking: Building Reusable Tools in PowerShell (BYOL-RA)
Intermediate
Don Jones
Wednesday, Aug. 13, 9:30 am – 12:30 pm

Turn your PowerShell console skills into reusable, modularized tools – following
community-recognized best practices and patterns. PowerShell author and columnist Don Jones, co-founder of PowerShell.org, leads you from one-line commands into complete tools that look, feel, smell, and taste like native PowerShell cmdlets.

You’ll need a bare minimum of programming (which Don teaches you – no prior experienced needed) to start producing surprisingly-effective tools that leverage PowerShell’s existing functionality and capabilities. With your new tools in hand, you can start to automate business processes, build self-service tools, and leverage the always-expanding universe of PowerShell features. Mostly applicable to PowerShell v2 and later, although the focus is on PowerShell v3 on Windows 7 or Windows Management Framework v3.0 or later installed (available on Windows 8 or later).

You will learn:
- How to turn shell commands into reusable tools
- How to design modular units of task and process automation
- Best practices for toolmaking

This is a Bring Your Own Laptop (BYOL) Ride-Along (RA) class. A laptop is not required, and the instructor will not provide specific hands-on labs, but you may wish to follow along with the instructor’s examples. Power will be available in the room. Your laptop should have Windows Management Framework v3.0 or later installed (available on Windows 7 and later). The instructor will also make all in-class code available for download after the conference via the TechMentor attendee website.

■ **W05 Creating Graphical PowerShell Tools (BYOL-HOL)**  
  Intermediate / Advanced  
  Jeffery Hicks  
  Wednesday, Aug. 13, 2:00 pm – 5:00 pm

Even though PowerShell is a typically viewed as a console-based tool, there may be situations where you want to put a pretty face on your scripts. In this hands-on session, PowerShell author and trainer Jeff Hicks will guide you through the steps to create your first graphical PowerShell script using WinForms and PowerShell Studio from SAPIEN Technologies. You will learn how to populate dropdowns, fill text boxes, utilize radio buttons and much more. Come prepared with your test environment and a trial copy of the latest version of PowerShell Studio. This is a hands-on session but you are welcome to simply come and take notes. All samples and demos will be made available.

You will learn:
- How to create a basic Winform script
- How to use common graphical elements such as buttons, text boxes and drop-down lists
- How to transform your PowerShell script into a graphical tool

This is a Bring Your Own Laptop (BYOL) Hands-On Lab (HOL) class. The instructor will provide hands-on experiences during class, which you will accomplish on your laptop. Power will be available in the room. Your laptop should have Windows Management Framework v3.0 or later installed (available on Windows 7 and later).

■ **TH01 Building DSC Resources in Windows PowerShell**  
  Introductory / Intermediate  
  Steven Murawski  
  Thursday, Aug. 14, 9:00 am – 12:00 pm

Desired State Configuration shipped with Windows Management Framework 4 and offers a minimal set of functionality. Fully leveraging this new capability will require building some custom resources.

In this session, Steve Murawski will show you how to build a custom DSC resource in PowerShell. You’ll go through the full process of creating a custom resource from scratch, debugging a resource, and deploying a resource into a production environment.

You will learn:
- How to build a custom DSC resource
- How to troubleshoot and debug the application of your resource as it is applied by the DSC engine
- Tricks and gotchas in dealing with this first version of Desired State Configuration

■ **TH05 Managing Hyper-V with PowerShell (BYOL-RA)**  
  Intermediate  
  Jeffery Hicks  
  Thursday, Aug. 14, 2:00 pm – 5:00 pm

It seems you can’t walk across the datacenter without tripping over some piece of virtualization software. If you run a Windows shop, more than likely that software is Microsoft Hyper-V. Even better, Windows 8 can run Hyper-V directly, giving you an instant test environment. But it doesn’t matter if you need to manage a desktop Hyper-V setup or a set of corporate servers. You can do it all from your desk with Windows PowerShell.

This session, led by PowerShell expert Jeff Hicks, will have plenty of live demonstrations showing how to manage just about everything in Hyper-V from creating new virtual machines, to managing snapshots to health reporting. If your laptop has Windows 8 or later with Hyper-V you are welcome to follow along but this is not a hand-on lab.

You will learn:
- How to manage Hyper-V virtual machines from the PowerShell prompt
- How to create a new virtual machine
- How to build Hyper-V management reports

This is a Bring Your Own Laptop (BYOL) Ride-Along (RA) class. A laptop is not required, and the instructor will not provide specific hands-on labs, but you may wish to follow along with the instructor’s examples. Power will be available in the room. Your laptop should have Windows Management Framework v3.0 or later installed (available on Windows 7 and later). The instructor will also make all in-class code available for download after the conference via the TechMentor attendee website.

■ **FW01 Automation in the Real World - How Stack Overflow Does IT**  
  Introductory / Intermediate  
  Steven Murawski  
  Friday, Aug. 15, 9:00 am – 12:00 pm

At Stack Exchange – operators of the IT Q & A websites Stack Overflow, Server Fault, and Super User, among others – we
have a dynamic, high traffic environment hosted on a minimal amount of hardware. The Stack Exchange network sees approximately 6 million people a day, with over 2 thousand hits per second, making us one of the largest networks on the internet. We’re often in Quantcast’s top 60. We are also one of the few high-traffic web start-ups built primarily on the Microsoft stack, with highly tuned applications and systems to provide the best response possible on the web.

Supporting this network is a team of four Site Reliability Engineers. That’s not a lot of people, for a lot of Internet attention. Consequently, automation is a fundamental part of everything we do.

In this session, learn how this team of engineers gather situational awareness about the environment, how they use Puppet and Desired State Configuration to automate new system provisioning, and how single-click deployment make software deployment a non-event.

We will dive into some of the tips and tricks for building unified automation in a real-world, cross platform environment. Finally, we’ll examine the importance of automation skills for our team and dig into the details of our provisioning and deployment scripting.

You will learn:

- How the key considerations for deploying mixed environment configuration management
- Strategies for minimizing the impact of production software deployments
- How to maximize the effectiveness of a team by standardizing processes and building robust automation

![FW04 Document Everything with PowerShell (BYOL-RA)](image)

Intermediate
Jeffery Hicks
Friday, Aug. 15, 1:00 pm – 4:00 pm

Face it, a major part of an IT Pro’s ongoing job is to document and report. Your manager wants a monthly report showing disk utilization on a hundred different servers. Your teams needs a weekly CPU utilization report for every mission-critical server. You need daily reports on every recent event log error.

PowerShell makes all of this easy. In this jam-packed session led by PowerShell MVP Jeff Hicks you’ll learn to use key PowerShell cmdlets to get the information you need. Then, you’ll learn a variety of techniques for building reports – from simple text files, to fancy HTML documents, to fully formatted Microsoft Word documents. This is not a hands-on session, but you are welcome to follow along. All of Jeff’s demo scripts and samples will be shared with the group.

You will learn:

- How to prepare formatted text files
- How to create styled HTML reports that can be used on an intranet server or emailed
- How to create formatted server documentation using Microsoft Word

This is a Bring Your Own Laptop (BYOL) Ride-Along (RA) class. A laptop is not required, and the instructor will not provide specific hands-on labs, but you may wish to follow along with the instructor’s examples. Power will be available in the room. Your laptop should have Windows Management Framework v3.0 or later installed (available on Windows 7 and later). The instructor will also make all in-class code available for download after the conference via the TechMentor attendee website.

![T15 System Center and the Modern Datacenter: A Tactical Briefing](image)

Introductory
Greg Shields
Tuesday, Aug. 12, 3:45 pm – 5:00 pm

The idea of automation has become a literal definition for “the modern datacenter”. You can’t have one without the other. But automation in a well-oiled, production datacenter is far more than just a few PowerShell scripts. Today’s datacenters demand configuration control and monitoring. They require orchestration, and they absolutely need coordination between teams of administrators.

These and the modern datacenter’s other tasks are the reason for System Center’s existence. System Center brings rational and measurable control to otherwise-chaotic datacenter management. More than the sum of its individual parts, System Center’s components work best when they’re integrated together.

Greg Shields has been working with System Center’s components since before there was a System Center. He’s put together a 75-minute tactical briefing on System Center’s impacts to the modern datacenter: Where it fits, where it yet fails, and exactly where your IT organization needs to be. Whether you’ve yet to start with System Center, have implemented a few of its components, or just want to get more from your investment, attend this session and learn the System Center automation tactics that’ll make you invaluable.

You will learn:

- Up-to-the-minute tactical briefing on System Center’s role in your modern datacenter
- About the added advantages of System Center’s integration between components. With System Center, 1 + 1 can equal > 2
- Bring your questions about best practices and measurable returns on a System Center investment

![W03 The ABC’s of SMA: An in Depth Introduction to Service Management Automation](image)

Intermediate / Advanced
Neil Peterson
Wednesday, Aug. 13, 9:30 am – 12:30 pm

You may have noticed that System Center Orchestrator 2012 R2 has a new partner
in automation, Service Management Automation. What exactly is this solution and how does it align with Microsoft’s other automation and private cloud strategies? What are the capabilities of SMA and why should you care? What is the role of PowerShell workflow in SMA? Finally, how is SMA configured, how is it used, what are the technical details needed to begin effectively using SMA?

During this session, Senior Microsoft Premier Field Engineer Neil Peterson will answer these questions. He’ll take an in-depth look at SMA to explore its capabilities, configuration, and some cool automation examples with a full technical breakdown. The session will start with a discussion on SMA’s role in the modern datacenter, with a look at use cases and integration opportunities. He’ll then detail the pre-requisites and configuration steps required to use SMA. Finally, several practical example automations will be demonstrated, and discussed in depth. This session will not only introduce Service Management Automation and the future of data center automation, but it’s also a great primer on PowerShell workflow.

You will learn:
- The all up role of SMA in datacenter and private cloud automation
- You will be prepared to install, configure, and use Service Management Automation
- How PowerShell workflow is used within SMA to create automation Runbooks
- How to get started with the creation and use of SMA Automation

![W04] Building and Automating a Virtualized Datacenter with Hyper-V and System Center
Advanced
Greg Shields
Wednesday, Aug. 13, 9:30 am – 12:30 am & 2:00 pm – 5:00 pm

Curious about Hyper-V and System Center? Experienced with VMware and vSphere? Ready to add Microsoft virtualization to your modern datacenter? This daylong master class gives you the skills to incorporate automation into the design, build, management, and operations of a Hyper-V virtual infrastructure. It delivers the training necessary to build and operate a Hyper-V virtual datacenter. In it you’ll learn how Microsoft System Center 2012 layers on top of Hyper-V to deliver a production-ready and highly-automated virtual environment experience.

Our morning session starts with System Center 2012 Virtual Machine Manager to integrate the constituent components of a Hyper-V virtual environment, including servers, storage, networking, and clusters. You’ll learn how to create and deploy VMM building blocks like hardware profiles, guest OS profiles, and VM templates. By morning’s end, you’ll know everything you need for success in building your virtualized datacenter.

Then, in the afternoon, you’ll continue with a look at automating the operation of a Hyper-V virtual datacenter using System Center technologies. You’ll automate the installation of software using Server App-V and Web Deploy packages. You’ll customize VMs as they’re provisioned with Generic Command Execution (GCE) scripts. And you’ll learn the real-world applicability of VMM Service Templates as you create services you can immediately deploy in your production environment.

Building VMs is but only the start of automation. You’ll see how System Center can remediate problems automatically with the help of Orchestrator. You’ll eliminate the tedious work in provisioning virtual machines by enabling self-service via App Controller and Service Manager, while protecting yourself from VM sprawl with VMM resource policies and approvals for service requests.

Join Greg Shields from Concentrated Technology in this daylong exploration of Hyper-V and System Center, or stop by for half a day. Greg has provided guidance to IT professionals worldwide for over a decade. An engaging and entertaining presenter, Greg consistently receives top ratings at IT conferences like Tech Ed, VMworld, TechMentor, and many others. His extensive field experience means this class goes far beyond the books as you learn how Hyper-V automation with System Center 2012 is helping real-world IT professionals worldwide.

You will learn:
- How to build a VMM/Hyper-V environment, how to fully automate VM deployment, management, updating, and self-service
- Extend your vSphere virtualization knowledge into Microsoft’s Hyper-V and VMM virtualization stack
- Why Hyper-V in combination with System Center management makes a perfect second (or first!) hypervisor for your datacenter needs

![W07] System Center Orchestrator for the Uninitiated
Intermediate / Advanced
Jason Helmick
Wednesday, Aug. 13, 2:00 pm – 5:00 pm

Your datacenter is growing at a rapid rate. You need to start automating management tasks or risk a future of overwhelming overtime. Getting started with System Center Orchestrator is the solution, but you haven’t had the time to knuckle down and learn the ins-and-outs.

Let automation expert Jason Helmick guide you through a real world implementation where you’ll learn to monitor and react to situations with alert remediation, remove human-error by automating regular maintenance tasks, and automatically respond to provisioning and change management requests.

You will learn:
- How to implement and manage Orchestrator
- How to monitor and react to events
- How to automate provisioning and maintenance tasks

![TH03] Pro Tips for Automating App Deployment in System Center Configuration Manager
Advanced
Greg Shields
Thursday, Aug. 14, 9:00 am – 12:00 pm

An experienced Configuration Manager administrator is an employer’s most valuable IT professional. That’s because
good ConfigMgr 2012 admins can deploy, automate, configure, and manage just about everything in a Windows infrastructure.

The hard part is getting that experience. Any IT Pro can read a book or a few TechNet articles to learn the ConfigMgr 2012’s basics. Becoming truly experienced, however, requires a deep understanding of ConfigMgr’s “art” as much as its “science”.

Preparing you with both that art and science is the goal of this Real-World Master Class, taught by Greg Shields from Concentrated Technology. In this three-hours isn’t-enough session, you’ll explore the innermost secrets of application and desktop deployment. You’ll learn software packaging for direct installation as well as App-V virtualization. You’ll discover how the ConfigMgr pros offer application and desktop self-service with ConfigMgr’s Software Center and Application Catalog, giving users the ability to install their own apps and refresh their own desktops.

You’ll understand the utility of software and hardware inventory, and how to leverage inventoried data for software metering. You’ll learn the pro tricks in constructing queries and reports, including some nifty shortcuts that dive directly into ConfigMgr’s SQL backend data. Most importantly, you’ll also learn about ConfigMgr’s features worth ignoring: those that might seem worthwhile, but don’t yet deliver on their promise.

Greg has been operating ConfigMgr infrastructures of all sizes since the earliest days of SMS 1.2 and 2.0. In this session, he shares his experience in helping you get the most out of your ConfigMgr investment.

You will learn:

- “The art” of automated software installation, including software packaging, app virtualization, and best practices for deployment
- Accelerate your experience with “the science” of System Center Configuration Manager for automating application deployment
- System Center’s application self-service functions, including integrations between Configuration Manager and Service Manager to facilitate management approvals

Gain hands-on experience with your own laptop as you learn how to analyze BSODs, server hangs, and performance issues. Utilize free state-of-the-art tools from Microsoft such as the new Windows 2012 R2/Windows 8.1 Performance Toolkit as you isolate performance bottlenecks in hands-on labs. Investigate real-world case studies while you learn debugging techniques to identify failing software drivers and hardware components. Leave this workshop with the knowledge and confidence you’ll need to resolve your most challenging issues for years to come!

This is a Bring Your Own Laptop (BYOL) Hands-On Lab (HOL) class. The instructor will provide hands-on experiences during class, which you will accomplish on your laptop. Power will be available in the room. Your laptop should be prepared with a Windows 7 or later operating system with at least 2GB of free space for installing tools.

You will learn:

- Best practices for migrating Windows failover clusters
- Compelling reasons/features to upgrade
- Pitfalls to avoid to make for a smooth transition

**Windows Server**

Juice up your core Windows Server skills with some truly incredible deep-dive content. Master troubleshooting, dominate the blue screen of death, blast through performance problems. Go beyond being a mere administrator and become a true Server Guru.

**MW02 Advanced Windows Troubleshooting Workshop (BYOL-HOL)**

**Advanced**

Bruce Mackenzie-Low

**Monday, Aug. 11, 9:00 am – 12:00 pm & 2:30 pm – 5:30 pm**

Immerse yourself in a full day of troubleshooting as you leverage free tools and expert techniques to tackle the toughest Windows outages – with expert Windows troubleshooter Bruce Mackenzie-Low as your guide.

**T10 Active Directory Attribute-Level Recovery When the AD Recycle Bin Cannot Help**

Intermediate / Advanced

Ashley McGlone

**Tuesday, Aug. 12, 2:00 pm – 3:15 pm**

Have you ever repopulated a batch of attributes for a large set of users due to a configuration or scripting error? (Think Exchange and Lync.) The Active Directory Recycle Bin is great for recovering deleted objects but not corrupted objects. Authoritative restore is the textbook option, but there is a better way. Yes, you can buy expensive third-party products to do this, or you can use the free features in the box to build your own attribute-level recovery solution for Active Directory. Come find out how in this session.

You will learn:

- How to mount and explore snapshots
- How to leverage the Windows Server 2008 feature for Active Directory
- How to mount and explore snapshots using NTDSUTIL and PowerShell
- How to recover attribute data from a snapshot back into production

**T02 Migrating Failover Clusters - Time to Upgrade?**

Intermediate

Bruce Mackenzie-Low

**Tuesday, Aug. 12, 9:45 am – 11:00 am**

You’ve finally migrated your last Windows Server 2003 cluster to Windows Server 2008 R2, but did you know mainstream support for Windows 2008 R2 ends on January, 2015! That’s just a few months away!

Join Bruce as he explores the differences between the Failover Cluster versions and what features are worth your while to upgrade. Is Windows Server 2012 R2 really just SP1 for 2012? Learn what to consider when migrating your cluster and the best industry practices for accomplishing the job. Leave this session with the confidence you’ll need to make a smooth transition your next version of Windows.

You will learn:

- Best practices for migrating Windows failover clusters
- Compelling reasons/features to upgrade
- Pitfalls to avoid to make for a smooth transition
T14 Migrate GPOs From One Domain or Forest to Another
Intermediate / Advanced
Ashley McGlone
Tuesday, Aug. 12, 3:45 pm – 5:00 pm

Do you need to copy your GPOs into a lab environment for testing or migrate them to another environment due to an acquisition, merger, or divestiture? There are VBScripts provided with the GPMC, but that is so “last decade”. What about WMI filters, OU links, and embedded credentials? Come see a demo using PowerShell to do this with speed and style. You’ll walk away knowing the pitfalls, preparations, and scripts for a successful GPO migration.

You will learn:
• How to identify the GPOs, links, and dependencies in your environment
• How to convert specific accounts and paths to the target domain
• Learn helpful cmdlets in the Group Policy PowerShell module
• Hear real world stories of lessons learned to save you time

FW02 Secure Access from Everywhere! Implementing DirectAccess with Windows Server 2012 R2
Intermediate / Advanced
Richard Hicks
Friday, Aug. 15, 9:00 am – 12:00 pm

With today’s highly mobile workforce, secure access regardless of location is essential for maintaining productivity. DirectAccess, a remote access technology included with Windows Server 2012 R2, is a paradigm shift in the way remote access is delivered. DirectAccess provides always-on, seamless and transparent remote access any time a client is connected to the Internet. With DirectAccess, users access data and applications remotely in exactly the same way as in the office. Network communication is protected using IPsec encryption and authenticated using Kerberos, NTLM, and certificates. In addition, DirectAccess connectivity is bi-directional, enabling compelling manage-out capabilities not available with traditional VPN solutions.

Join DirectAccess expert Richard Hicks in this session and dig deep into DirectAccess atop Windows Server 2012 R2. You’ll learn how to plan for DirectAccess and gather the necessary infrastructure prerequisites required for your deployment model. You’ll learn how to implement DirectAccess using security and configuration best practices, and explore the tips and tricks that ensure a successful DirectAccess deployment.

Richard has been deploying DirectAccess for years in environments both small and large. In this session he’ll share his production experience implementing DirectAccess in a highly available, redundant manner to guarantee the highest levels of uptime.

You will learn:
• About the remote access capabilities included with Windows Server 2012 R2
• How to configure a server for VPN access using security best practices
• How to choose the best, most secure remote access protocols, along with strong authentication methods

Advanced Group Policy

Although this TechMentor is heavily focused on your back-end infrastructure, we haven’t forgotten about all those clients you’ve got running around outside the datacenter. We’re happy to help you manage them more easily and more completely – all from the comfort of your datacenter! Join us for an exclusive combination of incredible deep-dive content from the industry’s most knowledgeable GPO expert.

MW03 Group Policy Intensive Training (BYOL-HOL)
Intermediate
Jeremy Moskowitz
Monday, Aug. 11, 9:00 am – 12:00 pm & 2:30 pm – 5:30 pm

In this course, you won’t be disappointed. Join Jeremy Moskowitz, Group Policy MVP and founder of GPanswers.com to learn the ropes of Group Policy — for beginners, intermediates and more advanced students. This is an “all levels” course with something for everyone.

One day isn’t enough to cover 100% of what you can do with Group Policy. Heck, Jeremy normally teaches a whopping week-long, hands-on, intensive course! But Jeremy promises to jam in 80 pounds of useful knowledge into this double-session’s 60 pound bag.

You will learn:
• Why Group Policy applies differently between XP, Windows 7 and Windows 8
• How, when and why to use the Group Policy Preferences and why they’re different than the “original Group Policy stuff”
• Security tips and tricks for desktops, Terminal Services and your other servers as well

Prerequisites: You should be familiar with general Active Directory concepts, including Active Directory Users and Computers, the GPMC (a little helps), and the concepts of sites, domains, OUs, users, computers, and groups. If you move users into groups using Active Directory Users and Computers and/or create and link a GPO, you’re a good candidate for this course.

Please: No audio or video recording allowed during this special one-day session.

Note: Subject matter may change somewhat depending on timing constraints.

• 8:00 am – 10:00 am: Group Policy WHYs, WHATs, and HOWs (Talk and Hands-on Labs)
• Group Policy for Windows 7, 8, Server 2008 and 2012: Stop the madness and start understanding WHAT is going on (and WHY Group Policy works this way!)
• Learn the ins and outs of the GPMC – we’ll give a quick Group Policy overview then ramp up quickly! (Creating, Linking, Editing GPOs)
• Security Filtering: The good, the bad and the weird.
• Got Win7, Win8? Got Server 2008 and/or 2012?
• Learn WHY Group Policy works the way it does (and how to make it do your bidding).
• All new Windows 8 and Windows 8.1 “insider” information!
• 10:30 am – 12:00 pm: Group Policy Backup, Restore, Troubleshooting and Central Store (Talk and Hands-on Labs)
  • Group Policy Backup and Restore
  • Up the creek? Here’s your paddle.
  • ADM, ADMX and the Central Store
  • ADM vs. ADMX files: The secret truth!
  • Why do you NEED a Central Store and HOW do you create one?
  • Troubleshooting Group Policy when it misbehaves
  • RSOP 101: What do to before you run out to the desktop
  • RSOP 102: The tools you need to be successful when you run out
  • Troubleshooting flowchart: All the stuff to do before you freak out

• 12:45 pm – 2:15 pm: Group Policy Preferences: (Talk and Hands-on Labs)
  • 21 Super Powers you didn’t know you had
  • Get those superpowers “out there” and ready to use!
  • How to eliminate log on scripts and deploy Drive Maps, Printers, Shortcuts and more
  • How to dictate new local Administrator passwords (and what the risks are)
  • The Red vs. Green problem
  • CRUD Modes: Why CRUD is good!
  • Exactly what’s new in Windows 7 and 8 for the Group Policy Preferences

• 2:30 pm – 4:30 pm: Secure Your World with Group Policy (Talk and Hands-on Labs)
  • AppLocker
  • Prevent the WRONG applications from running on PCs.
  • Ensure the RIGHT applications ARE running on PCs.
  • Security Compliance Manager
  • Got Servers? Want Security?
  • Bonus session (After the class is officially over): Beyond Group Policy, and Group Policy Preferences with PolicyPak (Community and Pay Edition).
  • PolicyPak is a utility which hooks into Group Policy to deliver, manage, enforce and remediate settings within applications. In this TOTALLY OPTIONAL, but included bonus session, you’ll learn how PolicyPak works to deliver and enforce settings to all your applications like Java, Flash, Firefox, Office, OpenOffice, and dozens more.
  • Learn the differences between the Community Mode and Pay mode.
  • Hands-on labs to try PolicyPak out yourself.

This is a Bring Your Own Laptop (BYOL) Hands-On Lab (HOL) class. The instructor will provide hands-on experiences during class, which you will accomplish on your laptop. Power will be available in the room. Your laptop should be prepared with a Windows 7 or later operating system and the prerequisites outlined at the website here.

• T03 Kill Roaming Profiles: Manage the Desktop Experience with Group Policy, Microsoft UE-V, and 3rd Party Tools
  Intermediate
  Jeremy Moskowitz
  Tuesday, Aug. 12, 9:45 am – 11:00 am
  You’ve been using Roaming Profiles for years, and basically, you hate it. I know. Microsoft knows it too, which is why they’ve recently released Microsoft User Experience Virtualization manager, or UE-V for short. What does UE-V do? Who is licensed for it? How do you install, configure, manage and deal with it? You’re going to find out in this session from Group Policy MVP and desktop ninja master Jeremy Moskowitz. Learn where UE-V works great, and also what it doesn’t do, and where 3rd party tools can fill the gap in this important piece of desktop management.

You will learn:
• Why you can live without roaming profiles
• Understand Microsoft’s pay tool, Microsoft User-Experience Virtualization and other 3rd party pay tools
• What are the missing pieces when you replace a PC, and how to ensure those settings always come back

Important Note: This session will discuss FOR COST tools. Some are provided by Microsoft, while others are from 3rd party vendors. The variety of free tools available will not be discussed in this session.

• T07 Group Policy Change Control with Microsoft AGPM
  Intermediate
  Jeremy Moskowitz
  Tuesday, Aug. 12, 11:15 am – 12:30 pm
  “Oops, I did it again. I played with your stuff, got lost in the editor.” Your Group Policy infrastructure shouldn’t be treated like dirt, but why do so many people just “dump” stuff in and hope it stays healthy? In this session, Jeremy Moskowitz, GP MVP will explore Microsoft’s AGPM tool. This tool helps you perform real change management in your GPOs infrastructure. If you’ve got multiple administrators making changes, you’ll want to know who changed what, when it happened and exactly how things were changed. You’ll want to know how to “roll it back” and ensure total Group Policy security. So no more “Oops!” once you’ve been to this session.

You will learn:
• How to get a true “change control” workflow with regards to Group Policy
• How to ensure that all people use the change control system after its in place
• Understand what to do before and after Microsoft’s pay tool, Microsoft Advanced Group Policy Management is put in place

Important Note: This session will discuss FOR COST tools. Some are provided by Microsoft, while others are from 3rd party vendors. The variety of free tools available will not be discussed in this session.

“I can’t praise TechMentor enough. I plan on sending others from my department. BEST VALUE FOR AN IT CONFERENCE!”
- Brant Davidson, Director of Management Information Systems, International School of Zug and Luzern
Hybrid Cloud and Virtualization

Okay, so you’re not “doing the cloud.” Fine. But you have to admit the cloud does some cool stuff, like automatically provisioning complex new services entirely on-demand. Why not soak up some of that awesomeness into your own environment and ease your life? With our “hybrid cloud” and virtualization content, you’ll be able to do just that. You’ll also be able to better manage your entire virtual infrastructure, no matter who’s hypervisor you love, with sessions on storage and more.

T04 So How Do I Do This "Cloud" Thing, Anyway? A.K.A. "Federation for the AD Guy”

Intermediate / Advanced

Laura Hunter
Tuesday, Aug. 12, 9:45 am – 11:00 am

Clouds. Everyone’s talking clouds. Public cloud and private cloud and this cloud and that cloud...I’m sure there’s a cumulonimbus in there somewhere. You’ve got your company’s Active Directory purring like a kitten, and now here’s this new “thing” you need to go prepare for. How do you do that? You want to take advantage of services like Exchange Online, Software-as-a-Service, all that good stuff, but what does it take to get there?

In this highly interactive session, come and learn from the Identity Management architects who made this happen for Microsoft IT itself, how we took our users from the premises all the way to cloud services...and sometimes back again. We’ll focus on the core infrastructure technologies that you’ll need to put in place to make your company “cloud ready” - authentication and directory services - and the lessons we learned by deploying these for a large, complex organization. Bring your questions, and bring some popcorn, ’cos we’re going on a fun ride.

After this session, you will be able to:

• Clearly understand how cloud services like Office 365 interact with your existing infrastructure, and how you can extend that infrastructure to leverage Software-as-a-Service offerings.
• Understand real-world examples of how to deploy services like Active Directory Federation Services (ADFS) and directory synchronization, to take your users “to the cloud”.
• Be able to prepare your organization for the security and policy questions that come along for the ride as a part of any cloud adoption adventure.

T16 Discussion: What’s Your Hypervisor Choice? Why?

Jeffrey Schwartz
Tuesday, Aug. 12, 3:45 pm – 5:00 pm

Hypervisors are quickly becoming a commodity as their use in the enterprise becomes pervasive. A growing number of IT managers are looking for more cost-effective alternatives. Now that Microsoft’s Hyper-V has closed the gap with VMware on management and performance, Microsoft’s hypervisor has become a viable alternative and one a growing number of organizations are choosing.

This session will cover:

• The current state of the hypervisor market
• What decision-makers should consider when choosing a hypervisor including compatibility, performance, administration and cost.
• Consideration for managing multi-hypervisor environments
• The role the hypervisor is playing in cloud computing and how it will fit in with evolving software-defined datacenters.

TH04 Master Windows Azure Infrastructure Services in Three Hours

Intermediate

Yung Chou
Thursday, Aug. 14, 9:00 am – 12:00 pm

Windows Azure is Microsoft’s public cloud solution platform. Azure’s Infrastructure Services is a key enabling technology for deploying highly-scalable cloud services with on-demand readiness. This workshop presents an accelerated learning experience to better understand the concept and acquire methodology, processes, and operations of deploying and managing a Windows Azure Infrastructure Services deployment.

You will learn:

• Understand the deployment methodology of Windows Azure Infrastructure Services
• Configure an application architecture in a cloud service
• Deploy and manage a cloud service with cross-premises resources

TH07 Implementing a Self-Service, Multi-Tenant, On-Premises Cloud Solution with Windows Azure Pack

Intermediate

Yung Chou
Thursday, Aug. 14, 2:00 pm – 5:00 pm

Windows Azure Pack for Windows Server is a collection of Windows Azure technologies available at no additional cost for converting System Center 2012 R2 private cloud solutions into self-service multi-tenant Windows Azure experiences. This workshop presents an opportunity to better understand how Microsoft private cloud solutions work and experience an implementation of Windows Azure Pack onto an on-premises private cloud.

“The size. It gives us opportunities to be heard. Also, the speakers were top notch. I enjoyed seeing the ones you selected.”

- Dan Romanski, ECU
The learning objectives of this workshop are to examine the technical architecture, processes, and operations of building a Microsoft System Center 2012 R2 based private cloud solution, become familiar with Windows Azure Infrastructure Services deployment methodology and its self-service multi-tenant consumption model and user experience, and acquire operational knowledge in implementing Windows Azure Pack onto an on-premises private cloud environment.

You will learn:
- An understanding of Microsoft Private Cloud and Windows Azure Infrastructure Services technologies, Hybrid Cloud solutions, and Windows Azure Pack architecture and capabilities
- How to install Windows Azure Pack to your datacenter
- How to configure and employ Windows Azure Pack services

**TH08 Virtualization & Storage: Go from Novice to Expert on Deduplication, Management and Tuning**
Introductory / Intermediate

*Rick Vanover*
*Thursday, Aug. 14, 2:00 pm – 5:00 pm*

Environments which are virtualized with Hyper-V and VMware have learned one critical lesson early: everything (literally) revolves around the storage characteristics in place. For many, this is likely one of the biggest learning curves associated with virtualizing and ensuring application performance levels are met. In this session, we’ll discuss and demonstrate all of the key points that come up with storage related to virtualization. This includes the great balancing act between performance, cost, space savings with technologies like deduplication and more.

**You will learn:**
- Windows Server 2012 Deduplication: Where to use and how to configure THE RIGHT deduplication for certain workloads. Is Windows deduplication right for all situations? Is an appliance an option? What about software (online deduplication)? What’s the right tool for the job? How do VMs introduce a profile that helps or hurts deduplication?
- Storage Management for virtualized environments: You can’t fix what you can’t measure; though your users can still complain about storage performance. In a virtualized environment, having a good handle on the detail measurements such as IOPs, Latency and Free Space are all needed.
- Tips to improve performance: Modern hypervisors provide incredible options to leverage the latest disruptive technology: Solid State Drives. Automated Tiered Storage with Windows Server 2012 R2 and the VMware Flash Read Cache will be discussed as well as storage-side processing options for performance enhancement.

**FW05 Integrating Your On-Premise Active Directory with Azure and Office 365 (BYOL-HOL)**
Intermediate / Advanced

*Mike Nelson*
*Friday, Aug. 15, 1:00 pm – 4:00 pm*

As an IT Administrator, you have opened your datacenter doors into the Microsoft Azure Cloud and Office 365. Managing the core means of identity, resources, and access management that your on-premise Active Directory gives you today and integrating it into Windows Azure Active Directory (WAAD) and Office365 can seem a bit overwhelming.

This deep dive will cover everything from the basics to help fully understand what the possibilities are to ensure you have the knowledge necessary for a successful cloud infrastructure, right down to the scripting code you can use to get your job done.

In this session, identity management expert Mike Nelson explains how to setup, integrate, and manage your Azure AD presence. You’ll learn how to integrate Office 365 with ADFS and DirSync for identity methods including Single SignOn and Same SignOn. And you’ll leave with some key scripting skills for managing with Microsoft Azure Active Directory module for Windows PowerShell.

This is a Bring Your Own Laptop (BYOL) Hands-On Lab (HOL) class. The instructor will provide hands-on experiences during class, which you will accomplish on your laptop. Power will be available in the room. Your laptop should be prepared with a Windows 7 or later operating system with at least 2GB of free space for installing tools.

**Jack of All Trades**

**Improve Your Tech Writing Skills: Lessons from Redmond Magazine’s Editor-in-Chief**

*Jeffrey Schwartz*
*Tuesday, Aug. 12, 11:15 am – 12:30 pm*

If you’re a highly skilled IT pro, the best way to stand out in the tech community is to share your knowledge. Speaking at industry conferences such as TechMentor is one option. Writing also offers numerous avenues for sharing what you know or persuading an audience to adopt a proposal. Doing this effectively is a great way to advance your career. Another way
honoring your writing can be put to good use: publishing your ideas and expertise. There are many paths to accomplish this. Blogging is one but if you want to establish yourself as a credible authority, you must have something interesting to say and it must be well-written. Yet another option is writing in-depth white papers or articles focusing on technical issues or how to tackle a specific problem, whether it’s managing people or how to configure or debug a system.

Whether you want to write short blogs or descriptive tutorials, this session will explore how to develop and research an idea and will offer tips for how to pull together quality editorial pieces. A focus on quality writing is critical. Poorly written material will distance you from your audience and in the case of proposals it will alienate key stakeholders, decision makers and management. This session will cover:

- How writing and publishing can help you enhance your career
- Tips on how to write a persuasive internal proposal
- Common mistakes writers often make and the fallout of those errors
- Resources to improve your writing
- How to pitch your work so it reaches the broadest or most appropriate audience
- Ways to make your material more interesting
- An inside look at how Redmond magazine develops articles and recruits bloggers

If you plan to attend this session and wish to share something you’ve already written, please feel free to submit it in advance and we can evaluate your work.

**T11 SQL Server Maintenance for the “Reluctant DBA”**

**Introductory / Intermediate**

Don Jones  
Tuesday, Aug. 12, 2:00 pm – 3:15 pm

Broaden your resume by adding SQL Server maintenance to your skill set! As the first step toward becoming a true Database Administrator, SQL maintenance tasks are straightforward but not often well-explained. You’ll learn backup and recovery, performance tuning and monitoring, index maintenance, and all of the other key day-to-day tasks necessary for the proper care and feeding of SQL Server. Applicable to SQL Server 2005 and later, this is the perfect class for the “Microsoft Jack-of-all-Trades” who’s been stuck with managing SQL Server.

**You will learn:**

- Core SQL Server operational tasks
- Master everyday maintenance routines
- How SQL Server works “under the hood”

**FW03 IIS Administration for the “Reluctant Webmaster”**

**Intermediate / Advanced**

Jason Helmick  
Friday, Aug. 15, 9:00 am – 12:00 pm & 1:00 pm – 4:00 pm

Wish you knew more about how to properly manage, configure and secure your web servers? Are you responsible for products like SharePoint, Exchange, Lync, System Center and others? IIS is not just a web server, but a critical infrastructure component required for communication in most of the Windows Server family. Learn everything you need to know from PowerShell MVP and IIS expert Jason Helmick in this daylong IIS crash course. Go beyond the basics of installation into the complete configuration of websites, application pools, web applications and locking down security. Remotely manage large-scale IIS implementations, configure certificates for SSL and troubleshoot the most common application issues. Walk away with the slides, demonstrations, and Jason’s rapid IIS management tips for complete control of your environment.

**You will learn:**

- How to implement, manage and secure IIS for all products
- How to implement certificate (SSL) for in-flight data protection
- Dive into the configuration and troubleshooting of websites, application pools and web applications including large-scale rapid management

“I liked all the topics and wished I could have been in two sessions at the same time.”

- Bill Bailey,  
IT Manager, Vice President, Farmers Bank

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Don Jones,
TechMentor Conference Co-Chair
Principal Technologist,
Concentrated Technologies

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
Principal Technologist,
Concentrated Technologies

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. Greg can be found at numerous IT conferences such as Tech Ed, MMS, and VMworld among others, and has served as Conference Chair for 1105 Media’s TechMentor Conference since 2005. Greg has been a multiple recipient of both Microsoft “Most Valuable Professional” award as well as VMware’s vExpert award.

Lafe Low
Editorial Liaison

Lafe Low has been a technology editor and writer for more than 25 years. Most recently, he was the editor in chief of TechNet magazine. He has also held various editorial positions with Redmond magazine, CIO magazine and InfoWorld. He also launched his own magazine entitled Explore New England, and has published four editions of his guidebook The Best in Tent Camping: New England.

Jeff Schwartz
Editor, Redmond Magazine

Jeffrey Schwartz is the editor of 1105 Media’s Redmond magazine, an editor-at-large and columnist for Redmond Channel Partner magazine, and author of a blog covering enterprise cloud computing called The Schwartz Cloud Report. Earlier in his tenure with the Enterprise Computing Group of 1105 Media, he held senior editorial positions with Application Development Trends, Visual Studio Magazine and Redmond Developer News. He has covered all aspects of enterprise IT for more than two decades and has spent much of that time writing about mobile computing technology. Before joining 1105 Media’s Enterprise Computing group, he held several senior editorial roles with such publications as VARBusiness (now part of CRN), InternetWeek and CommunicationsWeek.

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Speakers

Yung Chou
Technology Evangelist, Microsoft
Yung Chou is currently a Technology Evangelist at Microsoft. He started his IT career as a System Programmer, later moved into application development, consulting, IT management, before joining Microsoft. Within the company, his previous roles and responsibilities include support account management, service deliveries, and as a Technology Specialist. His professional interests include Windows infrastructure, virtual desktop infrastructure, and hybrid cloud. He has been a frequent speaker at Microsoft conferences, roadshows, and TechNet events.

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.

Jeffery Hicks
Principal Consultant, JDH IT Solutions
Jeffery Hicks is a Microsoft MVP in Windows PowerShell, Microsoft Certified Trainer and an IT veteran with over 20 years of experience, much of it spent as an IT consultant specializing in Microsoft server technologies with an emphasis in automation and efficiency. He works today as an independent author, trainer and consultant. Jeff writes the popular Prof. PowerShell column for MPCMag.com and is a regular contributor to the Petri IT Knowledgebase and 4SysOps. If he isn’t writing, then he’s most likely recording training videos for companies like TrainSignal or hanging out in the forums at PowerShell.org. Jeff’s latest books are Learn PowerShell 3 in a Month of Lunches, Learn PowerShell Toolmaking in a Month of Lunches and PowerShell in Depth: An Administrators Guide. You can keep up with Jeff at his blog http://jdhitsolutions.com/blog, on Twitter at twitter.com/JeffHicks and on Google Plus (http://gplus.to/JeffHicks)

Richard Hicks
Solution Architect, Iron Networks, Inc., MCP, MCSE, MCTS, and MCITP Enterprise Administrator
Richard Hicks is a network and information security expert specializing in Microsoft technologies. As a five-time Microsoft MVP, he has traveled around the world speaking to network engineers, security administrators, and IT professionals about Microsoft security solutions. Richard has nearly 20 years of experience working in large scale corporate computing environments and has designed and deployed perimeter defense and secure remote access solutions for some of the largest companies in the world. Richard is currently the Sales Engineering Director for Iron Networks, a Microsoft OEM partner developing secure remote access, network virtualization, and converged cloud infrastructure solutions.

Jason Helmick
Senior Technologist, Concentrated Technology
Jason is a 25-year IT veteran and Senior Technologist at Concentrated Technology. He’s an avid supporter of the PowerShell community as board member and CFO of PowerShell.Org and a Windows PowerShell MVP. He is the author of “Learn Windows IIS in a Month of Lunches” and contributing author to “PowerShell Deep Dives”, along with a columnist for TechNet and TechTarget Magazine and other industry publications.

Laura Hunter
Principal Technology Architect, Microsoft
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 products and services across the IAM suite.

“Unique, fun way of teaching. Enjoy more guidance and concepts and ways of doing things differently vs. line by line technical.”
- David Bishop,
Lone Star College System

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In previous lives she has been an Identity Management consultant, the Active Directory architect for a global engineering firm, IT Project Leader for the University of Pennsylvania, and Director of Computer Services for a regional headquarters of the Salvation Army. Hunter has a Bachelor’s and Master’s degree from the University of Pennsylvania. She is the author of the Active Directory Cookbook, 2nd & 3rd Editions, is an unrepentant ADFS technology zealot, and likes to talk about herself in the third person when providing auto-biographical information. She blogs at www.shutuplaura.com, and Tweeters (tweets? She’s not cool enough to know the verb form of Twitter) @adfskitteh.

Bruce Mackenzie-Low
Systems Software Engineer, HP

Bruce Mackenzie-Low, MCSE/MCSA 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.

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 Microsoft Certified Trainer (MCT) Ashley used to teach MCSE classes on Windows 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 TechNet blog focuses on real-world solutions for Active Directory using Windows PowerShell. http://blogs.technet.com/b/ashleymcglone/about.aspx

Jeremy Moskowitz
www.GPanswers.com

Jeremy Moskowitz, MCSE, MCSA, and Group Policy MVP runs www.GPanswers.com to answer tough Group Policy questions. He is also the Founder of PolicyPak Software (www.PolicyPak.com), which creates software to manage applications and user environments using your existing Group Policy infrastructure. Jeremy has authored ten books, Active Directory Administration Essentials and the wildly successful Group Policy: Management, Troubleshooting and Security. Since becoming one of the world’s first MCSEs, he has performed Active Directory, Group Policy and Windows infrastructure planning and implementation for some of the nation’s largest organizations.

Steven Murawski
Site Reliability Engineer, Stack Exchange

Steven is a SysAdmin on the Site Reliability Engineering team for Stack Exchange (operators of great Q&A sites like Server Fault and Stack Overflow) and a multi-year recipient of the Microsoft MVP award in PowerShell. Steven is a co-host of the Ops All The Things podcast. Steven has been a frequent guest on Runas Radio and the PowerScripting Podcast as well.

Mike Nelson
Senior Architect, nGenx Corporation

Mike’s IT career spans over 25 years, involving a vast array of technologies. His roles in corporate management and engineering to industry consulting provide him with a wide range of hands-on experience and solutions. Mike has a strong passion for virtualization, both from a technical and visionary point of view. For the last 12 years, his focus has been on the SBC and Cloud areas, with major projects in VDI, multi-tenant SaaS, DaaS, and virtual consolidations. He is a Citrix Technology Professional (CTP) and has served as an

“(The) PowerShell sessions were very good and relevant. Good balance of in-depth crash course sessions and shorter sessions.”

- Don Erickson, System Engineer, Educational Service Unit 10
Speakers (continued)

expert advisor for the Citrix Education team on Netscaler and XenDesktop technology. He is also an VMware vExpert, a VMware VCP, and VMware User Group (VMUG) Leader for his region. Mike also serves on the Technology Futures Council for Microsoft for their Server and Cloud product technologies.

Neil Peterson  
Senior Premier Field Engineer, Microsoft

Neil Peterson is a Senior Premier Field Engineer based out of Houston TX. While his primary area of support is with System Center Orchestrator and System Center Configuration Manager, Neil is also involved in all aspects of many virtualization and private cloud / automation projects. Neil blogs about his learnings from these projects at http://blogs.technet.com/neil.

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.

Jeffrey Schwartz  
Editor, Redmond Magazine

Jeffrey Schwartz is the editor of 1105 Media’s Redmond magazine, an editor-at-large and columnist for Redmond Channel Partner magazine, and author of a blog covering enterprise cloud computing called The Schwartz Cloud Report. Earlier in his tenure with the Enterprise Computing Group of 1105 Media, he held senior editorial positions with Application Development Trends, Visual Studio Magazine and Redmond Developer News. He has covered all aspects of enterprise IT for more than two decades and has spent much of that time writing about mobile computing technology. Before joining 1105 Media’s Enterprise Computing group, he held several senior editorial roles with such publications as VARBusiness (now part of CRN), InternetWeek and CommunicationsWeek.

Rick Vanover  
Product Strategy Specialist, Veeam Software

Rick Vanover (vExpert, VCP, MCITP) is a product strategy specialist for Veeam Software based in Columbus, Ohio. Rick is a popular blogger, podcaster and active member of the virtualization community. Rick’s IT experience includes system administration and IT management; with virtualization being the central theme of his career recently. Follow Rick on Twitter @RickVanover.

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With the Goverlan Remote Administration Suite: Seamlessly shadow any desktop session such as Citrix® Xen products & Microsoft RDS®. Find logged-in workstations by username, including VDI/RDP/Citrix sessions, and instantly access extended troubleshooting & management tools. Globally deploy custom installer packages & hot fixes within minutes. Instant access to detailed hardware and software data for inventory reporting. Remote monitor multiple machines in one dashboard view. Secure & centralized management of global audit, authorization & agent settings. www.goverlan.com

Gridstore

Gridstore™ is the leader in software-defined storage purpose-built for virtualization that is designed to accelerate applications in virtualized environments. Using its patented Server-Side Virtual Controller™ Technology (SVCT) to eliminate the I/O blender effect and accelerate applications, Gridstore delivers vmOptimized™ Storage that self-optimizes to each application or VM across both virtual and physical environments, delivering the first end-to-end storage QoS to ensure the most important App or VM performance is never compromised. www.gridstore.com

Exhibitor:

Gridstore™ is the leader in software-defined storage purpose-built for virtualization that is designed to accelerate applications in virtualized environments. Using its patented Server-Side Virtual Controller™ Technology (SVCT) to eliminate the I/O blender effect and accelerate applications, Gridstore delivers vmOptimized™ Storage that self-optimizes to each application or VM across both virtual and physical environments, delivering the first end-to-end storage QoS to ensure the most important App or VM performance is never compromised. www.gridstore.com

Premier Media Partners:

Gridstore

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The Arizona PowerShell User Group (AZPOSH) was formed to build a strong local community of IT Professionals interested in using and learning PowerShell.

We are the Premier PowerShell User Group in the Southwest and we encourage PowerShell users everywhere of any skill level (beginners-experts) to join the group. www.azposh.com

StorageCraft® delivers backup, disaster recovery, system migration, data protection, and cloud services to help businesses recover anytime, anywhere. With our award-winning solutions, you and your clients can recover quickly and easily following any disaster, great or small. www.storagecraft.com

ITCertPro is for current IT Certified Professionals as well as those who want to become one. ITCertPro features news about certification and articles on certification products, IT conferences, and the products that ITCertPros support. www.itcertpro.com

The Tampa Bay Virtualization Users Group (TBVUG) is focused on the latest virtualization technologies, cloud computing, management software, and related certifications to help IT professionals and anyone interested in these technologies to network together and share their knowledge and expertise to the group. www.tbvug.com

IT Pro Camp

IT Pro Camps are a free, one day, conference style learning event for anyone seeking professional development. These community events serve IT Professionals, Developers, Students, and Anyone wanting to learn more about the latest in IT technologies. IT Pro Camps are free of charge to all attendees and is open to presenters of all backgrounds and expertise. IT Pro Camp hosts several events in Florida, Washington D.C., Dallas, and more locations coming soon. www.itprocamp.com
Hotel & Travel

CONFERENCE VENUE, TRAVEL AND HOTEL DEALS

Get inside the technological mecca: Microsoft Headquarters!

TechMentor returns to the Microsoft Campus in Redmond, Washington in 2014 for more in-depth, behind the scenes training from technical experts.

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

Conference Hotel
Hyatt Regency Bellevue
900 Bellevue Way N.E.
Bellevue, WA 98004

Special attendee rate: $212 valid thru: July 18, 2014

Book your room online; or call Reservations at 888.421.1442 and ask for the TechMentor Room Block. The offer is subject to room availability, so make sure to book early.

Shuttle Service to and from the Microsoft Campus
TechMentor will be providing daily complimentary shuttle transportation between the Hyatt Regency Bellevue and the Microsoft Conference Center (Building 33) on the Microsoft Campus. This shuttle service will be available to all attendees with a valid conference badge.

Travel
American Airlines is offering a 5% discount to TechMentor attendees for travel to Seattle between August 7 and 18, 2014. Mileage members can receive credit for all American miles flown to attend this conference. To take advantage of these discounts, please call toll-free, or have your travel agent call: American Airlines: 800.433.1790 and reference number 8884BG. To book your discounted ticket online go to www.aa.com and use the discount reference number above as the aa.com promotion code.

Avis Rent-a-Car is offering a discount on car rental for TechMentor attendees. To receive the discounted rates, call Avis at 800.331.1600 and use the Avis Worldwide Discount (AWD) number D005872, or click here to make your reservation online.

Fun stuff to do in Seattle & Bellevue
• Rise 500 feet in the air at the Space Needle
• Catch some fish at Pike Place Market
• Rock out at Experience Music Project
• Geek out at the Pacific Science Center
• Enjoy strolling Bellevue Botanical Gardens
• Get caffeinated at the original Starbucks
• Discover the region’s best shopping, dining and entertainment
• Buy weird goodies at Archie McPhee’s
• And more!

Plan your trip at visitseattle.org

REGISTER NOW AT techmentorevents.com/redmond
TechMentor 5-Day Best Value Package

The TechMentor Best Value Package is your five day all-access pass to every keynote, session, workshop and event August 11-15, 2014.

Add the Hotel package to your TechMentor 5-Day Conference Package

The TechMentor Redmond 5-Day Hotel Package includes five nights at the Hyatt Regency Bellevue (Room and tax only) - available Sunday night (August 10) through Thursday night (August 14), departing Friday (August 15).

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$1,250
TechMentor 3-Day Conference Package

The TechMentor 3-Day Conference Package grants you access to all sessions and activities August 12-14, 2014.

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<td>▶ Are you a TechMentor or Live! 360 alumnus? Alumni discounts are available! Turn to page 31 for pricing details.</td>
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Add the Hotel package to your TechMentor 3-Day Conference Package

The TechMentor Redmond 3-Day Hotel Package includes four nights at the Hyatt Regency Bellevue (Room and tax only) - available Monday night (August 11) through Thursday night (August 14), departing Friday (August 15). $1,000
Workshop Pass

The TechMentor Workshop Pass grants you access to one full-day pre-conference workshop on either Monday, August 11 OR Friday, August 15, 2014.

Workshop Pass

- Signing up 3 or more? Group Discounts are available! Turn to page 30 for pricing details.
- Are you a TechMentor or Live! 360 alumnus? Alumni discounts are available! Turn to page 31 for pricing details.

TechMentor Workshop Pass Includes:

- Pre-Conference Monday, August 11 OR Post-Conference Workshop Friday, August 15, 2014
- Lunch
- Proceedings CD course notes

$495

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Group Discounts

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

Group Discount Package

TechMentor Group Discount 5-Day Package (3+ colleagues) Includes:

- All TechMentor Sessions and Keynotes
- Pre-conference workshops
- Post-conference half-day workshops
- Receptions
- Networking Events
- Lunch (August 11-15)
- Coffee and Morning Pastries
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes

Early Bird by July 9, 2014

$1,395
Save $700 off the Standard Rate

Standard after July 9, 2014

$1,495
Save $600 off the Standard Rate

Are you a TechMentor or Live! 360 alumnus? Alumni discounts are available! Turn to page 31 for pricing details.

Add the Hotel package to your TechMentor 5-Day Conference Package

The TechMentor Redmond 5-Day Hotel Package includes five nights at the Hyatt Regency Bellevue (Room and tax only) - available Sunday night (August 10) through Thursday night (August 14), departing Friday (August 15).

$1,250

REGISTER NOW AT techmentorevents.com/redmond
## TechMentor Alumni 5-Day Best Value Package

The TechMentor 5-Day Best Value Package is your five-day all-access pass to every keynote, session, workshop and event August 11-15, 2014.

As an attendee of a previous TechMentor or Conference, we would like to extend special savings to you, our frequent and best customers. Check your email for notes from TechMentor that include your Alumni registration code.

### TechMentor Alumni 5-Day Best Value Package

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#### Register Now at techmentorevents.com/redmond