TECHMENTOR
CONFERENCES

Redefining
~~GET INSIDE~~
THE IT CLASSROOM

TechMentor 2013 Tracks:

- Cisco and Networking
- Exchange & Office 365
- MCSE / MCSA Certification Prep
- PowerShell
- Security

- Server & Client
- SharePoint
- System Center
- Virtualization
- Hands-On Labs

DEEP DIVE

- New format based on your feedback.
- Each session will last 3 hours.
- Featuring "hands-on" labs with your own laptop.
- You won't leave this conference wanting more!

THE IT CLASSROOM
TECHMENTOR CONFERENCES
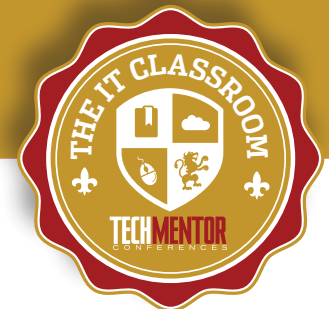
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"The instructors were AWESOME. I had a great experience at this conference. Thanks to everyone who worked on putting this event together. Can't wait to come back next year!"

- Jim Redden, Network Administrator, Montana Dept of Labor Industry

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

2013 is a big year for IT professionals. We've got:

1. A new server operating system.
2. A new version of the System Center family to deal with.
3. A new client OS that we've got to decide whether or not to deploy.
4. New versions of Exchange, SharePoint, and Office.
5. Users are showing up with Kindles and iPads and Surfaces and Androids and who knows what else.
6. All-new MCSA and MCSE certifications staring us in the face, along with brand-new technologies like Windows PowerShell v3.

Oh, and you've got all the stuff already in your environment that you still need to support, maintain, fine-tune, and manage.

That's exactly why TechMentor exists.

We're not a big trade show. You're not going to find yourself in a room with 2,000 other people listening to some product manager drone on and on about the latest and greatest new stuff that you won't even be implementing for years. You're not going to be wandering through an expo hall of 500 indifferent vendors who are mainly concerned about scanning your badge in exchange for a rubber ball or T-shirt.

TechMentor is about:

- **Education.** We cover the latest technologies like Windows Server 2012 and Windows 8. And we're also concerned about what's already in your environment, and how you can manage it more effectively, make it more reliable, and make it perform better. We're completely independent, so we're just as happy to help you with vSphere as Hyper-V. Whatever you're using in IT, we're here to help you get the most out of it.
- **Independent Experts.** We put you directly in touch with the best independent experts in the industry. You'll have one-to-one access to those folks – you'll even be eating lunch with them right after their sessions.

- **Access to the Best IT Products and Services.** We offer a select number of vendors who really want to talk to you about your operational challenges and figure out ways to make your life easier.
- **Solving Your Problems.** You'll be surrounded by peers and colleagues who are struggling with the same challenges you are. It's an amazing place not only to sit back and learn, but to ask questions that will help you solve real problems when you get home.

And for Las Vegas, we're implementing two big requests from our alumni to bring you TechMentor: DEEP DIVE:

1. **Deeper session content** = every session is at least 3 hours long.
2. **Hands-on labs** = bring your own laptop to delve into topics like Windows PowerShell, Cisco, Windows troubleshooting, and more.

This is not a format we can replicate easily, so TechMentor Las Vegas 2013 may be a unique opportunity for you to experience this deeper content combined with hands-on options.

Our speakers get top ratings; we shape future events based on alumni feedback; our sessions are engaging and relevant; we give you unparalleled access to experts; and we offer a convivial atmosphere that makes it easy to ask questions and engage in discussions. We promise that this will be the best conference you've ever attended.

We'll see you in Las Vegas!

Don Jones
TechMentor Co-Chair

Greg Shields
TechMentor Co-Chair

TECHMENTOR CONFERENCES

TOP 10 REASONS TO ATTEND TECHMENTOR LAS VEGAS

1 **Nothing Trumps Live Learning!** Attending a live conference remains the best way to stay current in the ever-changing IT industry. Technologies evolve, new products are released and there are constant upgrades to keep up with. You need a single event that will cover all your bases – you need TechMentor!

2 **Don't Fold to Everyday Problems.** In TechMentor's unique deep dive sessions 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 **Ante up! Get Hands-on Training HERE.** We are offering eight (8) hands-on labs – laptops required – covering everything from PowerShell to handling a Windows crash to troubleshooting and the CCNA Data Center certification. So bring your laptop and get hands-on!

4 **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 IT Consultant and popular TechMentor speaker Mark Minasi, Master Consultant Bruce Mackenzie-Low, Microsoft Sr. IT Evangelist Yung Chou, and TechMentor Conference Co-Chairs Don Jones and Greg Shields.

5 **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). Every session this fall will be at least 3 hours, allowing amply time to dig into the details of today's technology.

6 **Trending Tracks.** We pride ourselves on offering Track topics that are not only applicable to what you are doing now, but are also a guide to what's coming. From PowerShell and Exchange to Security and Virtualization, you'll learn the most up-to-date, relevant information possible!

7 **Go "All-in" On Your IT Investment.** Join your fellow IT colleagues in focused discussions, exercises and tutorials to combat inefficiencies in your organization. You will learn current trends and best practices to help save your company time and money.

8 **Just the Right Size.** TechMentor Las Vegas 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!

9 **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.

10 **IT Training on the Strip.** Learn by day, and experience all that Las Vegas has to offer by night!

> "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*

Events & Activities

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

Networking Breakfasts

Monday, September 30 – Friday, October 4

Continental breakfast will be served each morning of the conference allowing you more time to meet and mingle with your peers.

Dine-Around Dinner

Monday, September 30, 5:15 p.m.

Meet by the Conference Registration Desk

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

> **"I enjoy the technical/deep dives of sessions."**
>
> *- Carol Straub, IT Manager,
>   YWCA Toronto*

Welcome Reception

Tuesday, October 1, 4:30 – 6:00 p.m.

On Tuesday night, October 1, all conference attendees are invited to attend TechMentor Las Vegas' Exhibitor Welcome Reception. This is a great opportunity to meet your fellow conference attendees and speakers while you explore the TechMentor Exhibits and enjoy complimentary drinks and hors d'oeuvres.

Luncheon Round Table

Wednesday, October 2, 11:30 – 1:00 p.m.

Plumb the knowledge and experience of your colleagues by sitting at one of the Luncheon Round Tables. These tables are designated with a sign and seating is on a first-come basis.

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

TechMentor Mixer

Wednesday, October 2, 4:15 – 5:30 p.m.

Join us Wednesday night from 4:15 – 5:30pm for a TechMentor Mixer in the Tropicana Lounge located on the casino floor at the Tropicana. This is a great time to socialize and get to know your fellow TechMentor attendees while having a little fun. Drinks and snacks will be provided.

TECHMENTOR CONFERENCES

Agenda at a Glance

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

Server & Client	Security	PowerShell	System Center	SharePoint
Exchange & Office 365	Virtualization	Cisco + Networking	MCSE / MCSA Certification Prep	

START TIME	END TIME	Conference Day 1 - Monday, September 30, 2013		
8:00 am	9:00 am	Registration - Coffee and Morning Pastries		
9:00 am	12:00 pm	MW01 - Don Jones' Windows PowerShell JumpStart (HOL) - Don Jones	MW02 - Building Your System Center 2012 Private Cloud: An Accelerated Deep Dive - Greg Shields	MW03 - Foundations for Building a Bulletproof SharePoint 2013 Infrastructure - Rick Taylor
12:00 pm	1:00 pm	Lunch		
1:00 pm	4:00 pm	MW04 - Take Back your 40-Hour Week! Self-Service Software Installs with ConfigMgr 2012 - Greg Shields	MW05 - Provisioning Server Core with PowerShell: Finally, Fully-Automated OS Deployment! - Don Jones	MW06 - Integrating Office 365 with Active Directory for an End-to-End SSO Experience - John O'Neill Sr.
5:15 pm	7:30 pm	Dine-Around Dinner		

START TIME	END TIME	Conference Day 2 - Tuesday, October 1, 2013			
7:30 am	8:30 am	Registration - Coffee and Morning Pastries			
8:30 am	9:00 am	TechMentor Welcome - Don Jones, TechMentor Co-Chair			
9:15 am	12:15 pm	T01 - Don Jones' Practical PowerShell for the Busy Administrator (HOL) - Don Jones	T02 - An Accelerated Exam Cram for the MCSA 70-410 - Ed Liberman	T03 - Nine! of the Biggest Windows Server Performance Troubleshooting Secrets - Bruce Mackenzie-Low	T04 - Never Troubleshoot Again! Self-Service Desktop Refresh with ConfigMgr 2012 - Greg Shields
12:15 pm	1:30 pm	Lunch & Expo Hall			
1:30 pm	4:30 pm	T05 - Super-Advanced Windows Crash Dump Analysis (HOL) - Bruce Mackenzie-Low	T06 - Securely Extending Your LAN to Everywhere: A Step-by-Step DirectAccess Implementation - John O'Neill Sr.	T07 - From Zero to Azure in Three Hours: Implementing IT's Future Today - Yung Chou	T08 - Mastering IPv6 for the Inspiring Windows Server Administrator - Edward Horley
4:30 pm	6:00 pm	Exhibitor Welcome Reception			

Sessions and speakers subject to change

Agenda at a Glance (continued)

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

Server & Client	Security	PowerShell	System Center	SharePoint
Exchange & Office 365	Virtualization	Cisco + Networking	MCSE / MCSA Certification Prep	

START TIME	END TIME	Conference Day 3 - Wednesday, October 2, 2013			
7:30 am	8:30 am	Registration - Coffee and Morning Pastries			
8:30 am	11:30 am	W01 - Windows 7 & 8: The Professional's Guide to Advanced Desktop Troubleshooting (HOL) - Sami Laiho	W02 - An Accelerated Exam Cram for the MCSA 70-411 - Ed Liberman	W03 - Moving to Exchange 2013: An Upgrade and Coexistence Deep Dive - Mike Pfeiffer	W04 - Automate… EVERYTHING! with System Center Orchestrator 2012 - Neil Peterson
11:30 am	1:00 pm	Roundtable Lunch & Expo Hall			
1:00 pm	4:00 pm	W05 - Todd Lammle Presents: The Cisco Certified Network Associate (CCNA) Study Guide (HOL) - Todd Lammle	W06 - Automating Everything in Active Directory Domain Services: PowerShell Edition - Jeffery Hicks	W07 - To the Cloud! Exchange Hybrid Deployments and Office 365 - Mike Pfeiffer	W08 - Server 2012 Networking: Features to Implement Immediately! - Mark Minasi
4:15 pm	5:30 pm	TechMentor Mixer			

Sessions and speakers subject to change

"I like the small size, Cisco & VMWare are way too large. Small size keeps it close and friendly. Good conference overall, nice atmosphere."

- Jeff Smith, System Admin, Williamson County

Agenda at a Glance (continued)

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

Server & Client	Security	PowerShell	System Center	SharePoint
Exchange & Office 365	Virtualization	Cisco + Networking	MCSE / MCSA Certification Prep	

START TIME	END TIME	Conference Day 4 - Thursday, October 3, 2013			
7:30 am	8:30 am	Registration - Coffee and Morning Pastries			
8:30 am	11:30 am	TH01 - How to Wield Ridiculous Automation with PowerShell Workflows (HOL) - Jeffery Hicks	TH02 - Achieving Maximum Performance in Microsoft VDI Environments - Jeff Stokes	TH03 - Ethical Hacking for Windows Administrators: Methodology, Target Selection, and Enumeration - Mike Danseglio & Avril Salter	TH04 - Building a Zero-Cost & Zero-Effort PKI with Server 2012's Certificate Services - Jason Helmick
11:30 am	12:30 pm	Lunch			
12:30 pm	3:30 pm	TH05 - Todd Lammle Presents: The CCNA Data Center Study Guide (HOL) - Todd Lammle	TH06 - High-Availability for Hyper-V: Clusters, Clusterless Live Migration, Hyper-V Replica and More - Mark Minasi	TH07 - Ethical Hacking for Windows Administrators: Wireless and Wired Network Penetration, Snooping, and Denial of Service - Mike Danseglio & Avril Salter	TH08 - Deploying Windows 8 Security Features: Why, When…and How! - Sami Laiho
3:45 pm	4:30 pm	TechMentor Conference Wrap-Up			

START TIME	END TIME	Conference Day 5 - Friday, October 4, 2013	
8:00 am	8:30 am	Registration - Coffee and Morning Pastries	
8:30 am	12:30 pm	FW01 - Ultimate IIS Administration Crash Course (HOL) - Jason Helmick	FW02 - An Introduction to Protecting Data with Dynamic Access Control - Mark Minasi

Sessions and speakers subject to change

Track Descriptions

Cisco and Networking
Expand your resume and learn to troubleshoot core network problems faster and more efficiently.

session listings on page 10

Exchange & Office 365
Whether your e-mail lives on site or has gone "to the cloud," you'll learn the ins and outs of migrating, managing, and securing this critical service.

session listings on page 10

MCSE / MCSA Certification Prep
Upgrade your skills and prep for your new MCSA or MCSE title with our all-new lineup of certification cram sessions.

session listings on page 11

PowerShell
Automate everything! With hands-on workshops and cutting-edge lectures, TechMentor is the place to get your PowerShell fix.

session listings on page 11

Security
We're getting down and dirty with security, including coverage of ethical hacking. Make your organization more secure than ever!

session listings on page 12

Server & Client
Master Windows Server and Windows Client with hard-hitting, in-depth sessions from the industry's masters, including select hands-on workshops!

session listings on page 14

SharePoint
Become a master at administering Microsoft's platform for sharing, social, and collaboration in the enterprise.

session listings on page 15

System Center
It's the basis of Microsoft's "private cloud" initiative – and, frankly, a pretty awesome set of products. Learn to do more with everything System Center!

session listings on page 16

Virtualization
Our cross-vendor coverage of virtualization ensures that you have the latest information you need to make the most of what you've already got.

session listings on page 17

Hands-On Lab Requirements:
**A Windows 7 or Windows 8 laptop (or VM) with Windows PowerShell 3.0 installed (for Windows 7, download from http://www.microsoft.com/en-us/download/details.aspx?id=34595).
You should have IIS installed on your computer (or VM) – it is included with Windows as an optional component.**

Cisco + Networking

■ **T08 - Mastering IPv6 for the Inspiring Windows Server Administrator**
Edward Horley
Advanced

Tuesday, October 1, 1:30 – 4:30pm

Have you been scratching your head wondering what this IPv6 thing is all about and how it might impact you? Have you seen an IPv6 address and wondered how in the world do I subnet that? The first part of the session is focused on explaining the basics of IPv6 and how it is both different and similar to IPv4. The second part is how to set up a basic working configuration, best practices and common problems you may run into in deploying IPv6. We also cover the default assumptions Microsoft has in place for IPv6 and how that impacts your decisions and how you should manage your environment.

■ **TH05 - Todd Lammle Presents: The CCNA Data Center Study Guide (HOL)**
Todd Lammle
Introductory

Thursday, October 3, 12:30 – 3:30pm

Cisco announced the new Data Center track in November, 2012. This is sure to be the hottest, most desired certification in the market in the next few years, if not sooner. In this session, Todd Lammle, Cisco Certification expert, consultant, and bestselling author, will go step-by-step through the new Data Center certification track, focusing on and discussing the study path you must take in order to achieve the CCNA Data Center certification. Todd will give out copies of his new CCNA Data Center book for the first 25 pre-registered students, as well as many other tools and software that you can use right now with your studies. Both Nexus OS and UCS Data Center hands-on labs will be available for all pre-registered students with laptops.

You will learn:

- Understanding the new Cisco Data Center track
- Understand the knowledge and path you must take in order to achieve certification
- Receive valuable tools and study material for the CCNA Data Center
- Nexus and UCS examples and hands-on labs for those with laptops
- Leave with a confident study path for the CCNA Data Center

🖑 HANDS-ON LAB REQUIREMENTS: A Windows 7 or Windows 8 laptop (or VM) with WiFi access. Please register for this session in advance, and we will e-mail you a link to download the in-class software prior to arriving at the conference.

> "I can't praise TechMentor enough. I plan on sending others from my department in the Fall. BEST VALUE FOR AN IT CONFERENCE!"
>
> *- Brant Davidson, Director of Management Information Systems, International School of Zug and Luzern*

Exchange & Office 365

■ **MW06 - Integrating Office 365 with Active Directory for an End-to-End SSO Experience**
John O'Neill Sr.
Intermediate

Monday, September 30, 1:00 – 4:00pm

The cloud is no longer just for large organizations or server applications. With Microsoft's Office 365 SaaS offering even the smallest organizations can realize the advantage of cloud based productivity apps. This session will prepare attendees for the first steps in an Office365 deployment including synchronizing with on-premise Active Directory, account management, and Microsoft Online Accounts. Learn valuable skills necessary to become a Microsoft Certified Technology Specialist (MCTS): Administering Office 365 and a Microsoft Certified IT Professional (MCITP): Office 365 Administrator! (Exam 70-321, Plan and Implement Office 365 Accounts and Services)

You will learn:

- How to use the Microsoft Online Services Directory Synchronization tool
- Office 365 Portal administrator roles
- Single Sign-On with Office 365

■ **W03 - Moving to Exchange 2013: An Upgrade and Coexistence Deep Dive**
Mike Pfeiffer
Intermediate / Advanced

Wednesday, October 2, 8:30 – 11:30am

It's no secret that executing a smooth Exchange upgrade requires a lot of careful planning. In this session, you'll learn what is required to successfully implement and move to an Exchange 2013 on-premises deployment. Get a head start on planning your project and walk away with tips from the field, best practices, and implementation techniques used by early adopters in real-world deployments.

You will learn:

- Exchange 2013 features and benefits
- Exchange migration requirements
- Exchange upgrade best practices

■ **W07 - To the Cloud! Exchange Hybrid Deployments and Office 365**
Mike Pfeiffer
Intermediate / Advanced

Wednesday, October 2, 1:00 – 4:00pm

Find out how you can seamlessly integrate your on-premises Exchange organization with Office 365. With rich co-existence,

organizations can host mailboxes in the cloud, and on-premises, while retaining the best features offered by Exchange across both platforms. You can share calendars and free/busy information; maintain a unified global address list, archive e-mail messages, and much more. Learn about key components such as Directory Synchronization and Active Directory Federation Services, and leave the session with a good grasp on how to implement your own hybrid deployment.

You will learn:

- Exchange Hybrid Deployment benefits and features
- Hybrid Deployment requirements
- Implementation tips and best practices

MCSE / MCSA Certification Prep

■ T02 - An Accelerated Exam Cram for the MCSA 70-410
Ed Liberman
Introductory

Tuesday, October 1, 9:15am – 12:15pm

If your Windows Server 2012 certification goal is to achieve Microsoft Certified Solutions Associate (MCSA) then you won't want to miss this jam packed session where we will go over all of the objectives

you will have to get ready to pass your 70-410 exam. Exam 70-410: Installing and Configuring Windows Server 2012 is one of three exams you will need to pass to get your MCSA. You will not only see how to get started by installing and configuring Windows Server 2012 and Active Directory Domain Services, but also learn about other key concepts such as Networking Services, Local Storage, File & Print Services, and much more. Presenter Ed Liberman has been teaching Microsoft certification programs for nearly 15 years and has literally helped thousands of people to achieve their IT certification goals.

You will learn:

- Key concepts of Windows Server 2012
- Essential points you must know to pass exam 70-410
- How to utilize study material to get ready for a Microsoft exam

■ W02 - An Accelerated Exam Cram for the MCSA 70-411
Ed Liberman
Introductory

Wednesday, October 2, 8:30 – 11:30am

If your Windows Server 2012 certification goal is to achieve Microsoft Certified Solutions Associate (MCSA) then you won't want to miss this jam packed session where we will go over all of the objectives you will have to get ready to pass your 70-411 exam. Exam 70-411: Administering Windows Server 2012 is the second of three exams you will need to pass to get your MCSA. You will not only see how to get started by installing and configuring

Windows Server 2012 and Active Directory Domain Services, but also learn about other key concepts such as Networking Services, Local Storage, File & Print Services, and much more. Presenter Ed Liberman has been teaching Microsoft certification programs for nearly 15 years and has literally helped thousands of people to achieve their IT certification goals.

You will learn:

- Key concepts of Windows Server 2012
- Essential points you must know to pass exam 70-411
- How to utilize study material to get ready for a Microsoft exam

PowerShell

■ MW01 - Don Jones' Windows PowerShell JumpStart (HOL)
Don Jones
Introductory / Intermediate

Monday, September 30, 9:00am – 12:00pm

Even if you have no prior experience with scripting, you can start being effective with Windows PowerShell in just three hours! If you can run Ping – you can master the shell, with a little help from world-renowned expert, author, and MVP Don Jones. Bring your laptop (must be running Windows 8, or bring a Windows 8 VM) to follow along and complete hands-on exercises in running commands, discovering and learning new commands,

connecting commands in the pipeline, and creating short scripts to automate common tasks, including building inventory scripts and how to use PowerShell Remoting.

You will learn:

- How to discover new commands and learn how to use them – teach yourself to use the shell!
- How to connect commands in the pipeline and write short automation scripts
- How to use WMI and CIM to retrieve management and inventory information
- How to enable and use PowerShell Remoting

HANDS-ON LAB REQUIREMENTS: A laptop or virtual machine running Windows 8.

■ MW05 - Provisioning Server Core with PowerShell: Finally, Fully-Automated OS Deployment!
Don Jones
Intermediate / Advanced

Monday, September 30, 1:00 – 4:00pm

In this highly interactive course, you'll learn how to use Windows PowerShell to perform a practical, real-world task: automating the provisioning of a brand-new, remote Server Core instance. This session is as much about the learning process as it is about server provisioning, because your instructor, MVP and author Don Jones, has never done this before. He'll be teaching himself how to perform this task while you watch, and taking your suggestions for improving his work. You'll see how an experienced PowerShell professional learns without needing extensive classes or reference materials – and you can use the same approach to teach yourself. Plus, Don will provide his completed

script for your reference! This is not a hands-on class, but rather an interactive, group effort, where you'll learn:

- How to match technical tasks to PowerShell commands
- How to safely experiment and gradually construct a complete script
- How to automate a complete, multi-step process in PowerShell

■ T01 - Don Jones' Practical PowerShell for the Busy Administrator (HOL)
Don Jones
Intermediate

Tuesday, October 1, 9:15am – 12:15pm

Put PowerShell to practical use – even if you have very little shell or scripting experience. With a focus on real-world, day-to-day tasks, PowerShell expert Don Jones demonstrates key techniques for reporting, inventorying, and tool-building – and then lets you practice them right on your own laptop (or VM, running Windows 8). You'll learn how to:

- Collect inventory and management information from remote computers
- Create parameterized, reusable tools that your less shell-ified colleagues can use
- Build incredible-looking, interactive inventory reports that the boss will love
- Manipulate files and folders – build archival scripts and more

  👋 HANDS-ON LAB REQUIREMENTS: A laptop or virtual machine running Windows PowerShell 3.0 (download from http://www.microsoft.com/en-us/download/details.aspx?id=34595). You should also download the free Building HTML Reports in PowerShell ebook from www.PowerShellBooks.com, and have the book scripts on your laptop (or inside your VM).

■ W06 - Automating Everything in Active Directory Domain Services: PowerShell Edition
Jeffery Hicks
Intermediate

Wednesday, October 2, 1:00 – 4:00pm

This session will explore using the Microsoft Active Directory PowerShell module by following a user through their lifecycle with the company. We'll explore how to use PowerShell to manage the user account, from hiring, to promotion, to termination. We'll also take some side trips into managing groups, computers, and domain controller operations. If you have a laptop running a virtualized Windows Server 2012 domain controller, you are free to follow along.

By the end of this session you will:

- Know how to manage user accounts with PowerShell and Active Directory module
- Know how to manage groups with PowerShell and Active Directory module

- Know how to create Active Directory reports with PowerShell
- Know how to use the PowerShell Active Directory provider

■ TH01 - How to Wield Ridiculous Automation with PowerShell Workflows (HOL)
Jeffery Hicks
Intermediate/Advanced

Thursday, October 3, 8:30 – 11:30am

One of the killer features in PowerShell 3.0 is the ability to create workflows with Powershell script. You do not need a developer background or Visual Studio to create workflows. Now you can workflow scripts for long running and unattended tasks that can survive network interruptions or even reboots. In this session we'll look at common workflow scenarios, syntax, variables, sessions, troubleshooting, and some best practices. Come prepared with a laptop that has at least one virtual machine running PowerShell 3.0.

By the end of this session you will:

- Know when a PowerShell workflow is the right tool for the job Understand common workflow syntax elements such as parallelism and InlineScript
- Know how to use a workflow session
- Know how to troubleshoot PowerShell workflows Be able to create a workflow

  👋 HANDS-ON LAB REQUIREMENT: A laptop or virtual machine running Windows PowerShell 3.0 (download from http://www.microsoft.com/en-us/download/details.aspx?id=34595).

Security

■ T03 - Nine! of the Biggest Windows Server Performance Troubleshooting Secrets
Bruce Mackenzie-Low
Introductory / Intermediate

Tuesday, October 1, 9:15am – 12:15pm

Learn how to investigate performance issues with proven techniques and tools. Start with the redesigned Windows Server 2012 Task Manager, the Resource Monitor and the Performance Monitor (Perfmon) and then bring out the big guns with PAL (Performance Analysis of Logs) for analyzing Perfmon data and identifying alerts that trigger pre-defined thresholds. Finally, take advantage of the powerful new free monitoring tools from Microsoft called the Window Performance Toolkit (WPT). See how easy it is to collect in-depth performance metrics with the Windows Performance Recorder (WPR) that can assist you with identifying resource bottlenecks and application issues. Navigate your way with the new Graph Explorer as you reveal new graphs and charts that are available in the Windows Performance Analyzer (WPA) as you pinpoint elusive performance issues.

You will learn:

- The secrets of performance monitoring and tuning in Windows 8 and Windows Server 2012
- How to take advantage of built-in Windows Performance tools such as Task Manager, Resource Monitor and Perfmon

- To leverage powerful state-of-the-art free troubleshooting tools from Microsoft such as the Windows Performance Toolkit and PAL

■ T06 - Securely Extending your LAN to Everywhere: A Step-by-Step DirectAccess Implementation
John O'Neill Sr.
Intermediate

Tuesday, October 1, 1:30 – 4:30pm

The mobile workforce is growing larger by the day. Windows 8 and Windows Server 2012 provide many technologies to enable and empower these employees! This session will provide a crash course into many of the remote access and mobility features of Windows 8 and Server 2012 including Remote Desktop, DirectAccess, offline file policies, and USB startup key storage. (Exam 70-687, Configure Remote Access and Mobility).

You will learn:

- How Windows 8 simplifies DirectAccess
- Configuring offline file policies
- Changing the startup key storage location to a removable USB drive

■ TH03 - Ethical Hacking for Windows Administrators: Methodology, Target Selection, and Enumeration
Mike Danseglio & Avril Salter
Intermediate

Thursday, October 3, 8:30 – 11:30am

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 their attacks through careful planning. 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 IT department does but for planning and attacking your systems.

You will learn:

- How to apply hacker techniques to examine a network
- How to determine and prioritize optimal targets for hacking
- How to select the most appropriate attack for a given asset
- How to create and implement an attack plan using hacker methodologies

■ TH04 - Building a Zero-Cost & Zero-Effort PKI with Server 2012's Certificate Services
Jason Helmick
Intermediate / Advanced

Thursday, October 3, 8:30 – 11:30am

It's up to you to make sure that confidential information doesn't leak out. In this

session with renowned PowerShell and IIS/AD expert Jason Helmick, design and implement a multi-tier CA, configure enrollment services, issue and manage certificates. Secure your transmissions for SharePoint, Exchange, Web Farms and more with your own Certificate Authority. You will leave with the slides, demonstrations and Jason's rapid certificate deployment tips to ensure your success!

You will learn:

- How to design and implement a Certificate Services infrastructure
- How to implement and manage a variety of enrollment services
- Real world deployment, management and revocation of certificates

■ TH07 - Ethical Hacking for Windows Administrators: Wireless and Wired Network Penetration, Snooping, and Denial of Service
Mike Danseglio & Avril Salter
Advanced

Thursday, October 3, 12:30 – 3:30pm

Ethical Hacking is the best way to find vulnerabilities the way real hackers do: by using their tools and processes. This session continues executing the attack plan from session #1. Once hackers build a nefarious network map 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: destroy your assets. Warning: this session is not for those with weak constitutions as many of the attacks are difficult or impossible against which to defend.

You will learn:

- How to select and attack the most vulnerable network
- How to deploy and manage network snooping and enumeration tools
- How to decimate servers and network assets with freely available hacker tools

■ FW02 - An Introduction to Protecting Data with Dynamic Access Control
Mark Minasi
Introductory

Friday, October 4, 8:30am – 12:30pm

The competition for the title of "most significant change in Server 2012" is a pretty tough one, but Dynamic Access Control (DAC) is almost certainly the winner. As you probably know, before 2012, we controlled access to file shares via group memberships -- if you were a member of the right group, you got to the share. You can still do that, but DAC adds many new ways to control access to a file share. You can require users to be members of multiple groups or you can forgo groups altogether -- and stave off a pernicious disease called "token bloat" -- by controlling access to shares based on particular Active Directory attributes. You can control access to a share based on the machine the user's sitting at. You can

link access to a file based on file type and ontents, as in "only allow access to files of type 'source code' to users with the title 'programmer.'" But wait, there's more... you can tell 2012 to automatically classify a file as being of type "source code" if it included the text "#include." But that's not all, not by any means. Windows' "effective access" page has become a useful access troubleshooting tool, and when you ARE denied access, a form can pop up and let you tell the share's owner why you should be granted access. Find out about this and a whole lot more with Mark Minasi, a guy who's been working with Microsoft file shares since 1985. DAC is really big, but this talk covers it in the detail that you'll need to get started using it back at your organization.

Server & Client

■ T05 - Super-Advanced Windows Crash Dump Analysis (HOL)
Bruce Mackenzie-Low
Advanced

Tuesday, October 1, 1:30 – 4:30pm

Leverage the tools and techniques used by the Pros to troubleshoot Windows crashes and hangs. Understand how to configure a server to capture a memory dump and then leverage the Windows Debugger to analyze

it. Learn the best Debugger commands and techniques to identify what driver or hardware component caused the failure. Learn how to force a memory dump on a frozen server to determine what resource, spinlock or other kernel software caused the hang. Impress your boss and avoid costly support incidents by analyzing your own BSODs and system hangs with confidence.

You will learn:

- Understand how to configure your servers to capture a memory dump
- Leverage the Windows debugger to analyze a memory dump to decode the failing component
- Learn how to force a memory dump on a hung server to determine why it locked up

🖐 HANDS-ON LAB REQUIREMENTS: A Windows 7 or Windows 8 laptop (or VM) with at least 2GB of free disk space and WiFi connectivity. A DVD drive is recommended; a limited number of USB drives will be available with class materials. Please register for this class in advance so that we can have an accurate head count for materials.

■ W01 - Windows 7 & 8: The Professional's Guide to Advanced Desktop Troubleshooting (HOL)
Sami Laiho
Advanced

Wednesday, October 2, 8:30 – 11:30am

Windows 8 offers new and updated tools for troubleshooting the OS. Come and see how Windows OS MVP and STEP member Sami Laiho with more than 16 years of experience in advanced troubleshooting combines these new tools with industry proven techniques. Major changes to the startup sequence like the ones in Windows

8 haven't been seen since the introduction of Windows NT so there's a lot to learn. During this day you will learn to master the techniques to troubleshoot both Windows 7 and 8. Sami Laiho has been working with and teaching OS troubleshooting for over ten years and his session was voted best of 2012 among the Microsoft STEP performed sessions globally. This fun and effective training day is the best money can buy.

You will learn:

- Learn how to debug errors from user mode to kernel mode errors
- Learn how to use built-in tools like Resource Monitor
- Learn how to use external tools like Windows Performance Toolkit and Sysinternals Suite

🖐 HANDS-ON REQUIREMENTS: You will need a Windows 7 or Windows 8 laptop (or virtual machine) with a USB port. Class materials will be distributed via flash drive at the beginning of the session. To ensure an accurate headcount, please pre-register for this session.

■ W05 - Todd Lammle Presents: The Cisco Certified Network Associate (CCNA) Study Guide (HOL)
Todd Lammle
Introductory

Wednesday, October 2, 1:00 – 4:00pm

In the summer of 2013, Cisco announced a brand new Cisco CCNA program - which has always been the most sought after certification that Cisco has. The last time the CCNA was updated was in 2008, so this update was long overdue. This new CCNA certification has brought large

changes to the program, class, study path and the certification has stepped up a few more steps. When Cisco announced the first CCNA in 1998, it was difficult for the time, but would be considered too simple today. Not so with the new CCNA. It is very relevant for the current world and advanced internetworks. The new course and curriculum will certainly cover more advanced routing and switching technologies, but will also touch on Data Center (the hottest topic this year!), Voice, Wireless, and new WAN technologies. In addition, much more IPv6 topics and hands-on labs will be included in the class and exam.

This three hour session will cover from the beginning, what you need to know in order to create a full study path towards your CCNA and/or recertification. Hands-on labs will be provided for attendees with a laptop, as well as many study tools and other valuable resources will be provided to all attendees. The first 25 pre-registered students will get Todd Lammle's latest CCNA Study guide!

You will learn:

- How does the new CCNA compare to the older CCNA
- A complete study path to help you prepare for the new CCNA exam
- Hands-on labs to help lock in the new information
- Study tools, software, and other valuable tools provided by Todd Lammle

🖐 HANDS-ON LAB REQUIREMENTS: A Windows 7 or Windows 8 laptop (or VM) with WiFi access. Please register for this session in advance, and we will e-mail you a link to download the in-class software prior to arriving at the conference.

■ W08 - Server 2012 Networking: Features to Implement Immediately!
Mark Minasi
Intermediate

Wednesday, October 2, 1:00 – 4:00pm

Whether on the wire or across the airwaves, you'll find a lot to like in how Windows Server 2012 helps you shuffle the bits around. Popular but expensive network tools like teamed NICs become downright cheap, DHCP gets one-click failover clustering (really!), a new IP address manager lets you track the IP addresses that your users work from, and DNSSEC finally becomes easy.

But that's not all. IP networking's now covered from a command-line perspective, as is just about everything networking-related, with a pile of new PowerShell commands. In fact, you can glue together about seven of the new PowerShell commands and get a new-and-improved IPCONFIG, as you'll see in this talk.

But how to make it all work, and more specifically, what REALLY works and doesn't work so well? Find out in this clear examination of Win 8 networking with Mark Minasi!

■ TH08 - Deploying Windows 8 Security Features: Why, When…and How!
Sami Laiho
Intermediate / Advanced

Thursday, October 3, 12:30 – 3:30pm

Do you need to convince yourself, your client or your boss why you should

implement security techniques like BitLocker, AppLocker, UAC and use of standard user rights? Do you need great demos to show your students and clients about security features of Windows? Come and see eight scary examples of real life security breaches by a world class security expert Sami Laiho, MVP Windows Expert-ITPro. Sami combines built-in tools with 3rd party tools and social engineering to break into the Windows OS. Or in this case how the prevent them.

You will learn:

- Learn great ways to demonstrate why different Windows Security Features are needed
- Learn how to build secure Windows machines
- Learn how to make the purchase of Windows 7/8 Enterprise worth every penny

■ FW01 - Ultimate IIS Administration Crash Course (HOL)
Jason Helmick
Intermediate

Friday, October 4, 8:30am – 12:30pm

Going for the MCSE certification? Working with products like SharePoint, Exchange, Lync, System Center and others? IIS is a critical infrastructure component required for communication in most of the Windows Server family. Learn everything you need to know from PowerShell and IIS/AD expert Jason Helmick in this 4-hour 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 IIS rapid management tips for complete control of your environment.

You will learn:

- Learn to implement, manage and secure IIS for all products
- 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.

HANDS-ON LAB REQUIREMENTS: A Windows 7 or Windows 8 laptop (or VM) with Windows PowerShell 3.0 installed (for Windows 7, download from http://www.microsoft.com/en-us/download/details.aspx?id=34595). You should have IIS installed on your computer (or VM) – it is included with Windows as an optional component.

SharePoint

■ MW03 - Foundations for Building a Bulletproof SharePoint 2013 Infrastructure
Rick Taylor
Intermediate

Monday, September 30, 9:00am – 12:00pm

SharePoint 2013 is swiftly becoming a mission-critical solution in IT shops everywhere. But "mission-critical" can also

mean "never goes down." Ensuring a solid SharePoint 2013 infrastructure means asking the right questions, deploying its technologies correctly, and doing careful performance and capacity management. You'll learn the best practices for all three of these tasks in this Kick-Off-the-Conference SharePoint 2013 Foundations session with Rick Taylor of Microsoft. In three hours, you'll learn…

How to Gather Requirements and Ask the Right Questions: The key to building a successful SharePoint 2013 environment is starting with the right requirements. Start your morning by learning how requirements impact design, as well as what questions – and answers – are important for later success.

Tips and Tricks in Deploying SharePoint 2013: Your next step is getting SharePoint 2013 up and running. Rick's follows with Microsoft's tricks and tools for deploying SharePoint servers and farms on premises. You'll learn to deploy physical and virtual environments, taking advantage of the full suite of Microsoft deployment tools, and take away a checklist of considerations and scripts to automate your deployment.

Performance and Capacity Planning for SharePoint 2013: This version's new features not only improve user experience, but also performance and reliability. Rick closes out this three-hour session with a look at SharePoint 2013's key architectural changes that improve performance and reliability, and leave you with some real-world guidance on capacity planning.

System Center

■ MW02 - Building Your System Center 2012 Private Cloud: An Accelerated Deep Dive
Greg Shields
Advanced

Monday, September 30, 9:00am – 12:00pm

The signs keep pointing towards Private Cloud as IT's soon-to-be model of datacenter operations. That impending reality highlights your need to learn its technologies sooner than later. Get your career kick-start in this Super Session with globally-recognized cloud expert Greg Shields.

Attend this Hyper-V and VMM 2012 SP1 braindump and avoid the (surprisingly many) mistakes in adding a private cloud to your datacenter. You'll learn how best to assemble its constituent components and prepare them for self-serving use by others in IT. You'll hear the evolving best practices for Hyper-V and VMM 2012 SP1 profiles and templates, including a special look at VMM's impressive and no-extra-cost Server App-V. Greg concludes by connecting all the building blocks together with a deep dive into VMM services, the exciting and downright-useful new approach for delivering IT applications with complete automation.

IT professionals choose TechMentor for its deep dive sessions with unprecedented real-world applicability. In that real world, private cloud is coming. Avoid the painful missteps and save weeks of research with

Greg in this Monday morning of high-impact Hyper-V and VMM 2012 SP1 knowledge.

You will learn:

- Assemble hardware, OS, and software to create your private cloud "fabric"
- Get high-availability best practices with VMM host groups and Windows Failover Clustering
- Avoid the pitfalls in constructing reusable and self-service ready VMM profiles and templates
- Assemble VMM building blocks into usable, reusable, and self-servable Services

■ MW04 - Take Back Your 40-Hour Week! Self-Service Software Installs with ConfigMgr 2012
Greg Shields
Advanced

Monday, September 30, 1:00 – 4:00pm

Do you remember the Windows 95 Control Panel icon you clicked to uninstall software? Back then it was called "Add/Remove Programs", but was there ever a time you clicked that icon to…add…software? That icon is proof that self-service has been on Microsoft's mind since the beginning. It's only now that IT is ready to embrace the concept, and dispense with all those time-consuming app installations.

Take back your forty-hour work week by pushing one of IT's biggest time-wasters down to the users. With Configuration Manager 2012 and a little skill in software packaging, you can set up software installation self-service in your own company. The process isn't hard, but it takes some effort.

Microsoft MVP Greg Shields from Concentrated Technology has been working with Configuration Manager since the days of SMS 1.2. Nobody knows ConfigMgr better, and nobody's better prepared to accelerate your move to software installation self-service. Don't miss this session, because these three hours with Greg might just justify your entire week at TechMentor.

You will learn:

- The art and science of packaging software and virtual applications
- Understand the best ways to deliver software based on user, location, and use case
- Discover how to incorporate self-service – with approvals! – into any size environment with the help of ConfigMgr 2012

■ T04 - Never Troubleshoot Again! Self-Service Desktop Refresh with ConfigMgr 2012
Greg Shields
Advanced

Tuesday, October 1, 9:15am – 12:15pm

Admittedly, "Never Troubleshoot Again" might be a bit sensationalist for a session title. But stop for a minute and consider the possibility: One user's desktop problem no longer need kill your entire day. Why troubleshoot that desktop when you can simply rebuild it? And why rebuild that desktop when its user can rebuild it themselves?

If you don't believe it, Microsoft MVP Greg Shields of Concentrated Technology has a session for you!

Join him in this three-hour exploration of the newest approaches in desktop deployment, and how a focus on "building blocks" over "images" makes deployment a task you can fully-automate. You'll learn how users can self-service the process with the aid of System Center Configuration Manager 2012's Application Catalog and Software Center. All it takes is a little up-front effort, and a few hours with Greg, to change everything about how you deliver desktops.

You will learn:

- How "building blocks" improve desktop delivery over "images"
- Learn to construct an automated desktop deployment system with ConfigMgr 2012
- Discover the self-service functionality built into ConfigMgr's Application Catalog and Software Center

■ W04 - Automate… EVERYTHING! with System Center Orchestrator 2012
Neil Peterson
Intermediate / Advanced

Wednesday, October 2, 8:30 – 11:30am

System Center Orchestrator enables the Windows and non-Windows administrator to create automation solutions that can be leveraged within the datacenter and across the client space. Many Runbook solutions can be quite simple including only 'out of the box' components. Other Runbook solutions may require more advanced design such as complex link logic and PowerShell integration. This session will provide a real world look into the breadth of Runbook design from the most basic

examples to more advanced examples. The goal of the session is to enable the attendee to quickly ramp up on not only Orchestrator Runbook design fundamentals, but to also feel comfortable approaching more complex Runbook solutions.

You will learn:

- The Runbook design process end to end, from a very simple solution to a much more complex solution
- How to incorporate more advanced Runbook design into Runbook suctions such as complex logic and PowerShell scripts
- Obtain many tips, tricks, and will understand many gotchas that will make the Runbook design process a stress-free process.

Virtualization

■ T07 - From Zero to Azure in Three Hours: Implementing IT's Future Today
Yung Chou
Intermediate / Advanced

Tuesday, October 1, 1:30 – 4:30pm

This deep-dive covers seven key scenarios for adopting Windows Azure IaaS and PaaS solutions including concepts, architecture, and operations. The content is intended for experienced Windows administrators who are familiar with server operations and networking fundamentals. Attendees with a pre-activated Windows Azure (90-day free trial from http://aka.ms/WAtrial or paid)

subscription is required for a hands-on experience in creating virtual machines and deploying application architecture with a sample service instance to Windows Azure's production environment. For those who are seeking opportunity to gain technical insights on shortening go-to-market with Windows Azure, this is a very opportunity to gain technical depth on Windows Azure administration, deployment, and operations.

You will learn:

- Gain technical depth in Windows Azure's IaaS and PaaS solutions
- Become familiar with Windows Azure's basic administration and IT routines
- Acquire hands-on experience of deploying and managing a service in Windows Azure

■ TH02 - Achieving Maximum Performance in Microsoft VDI Environments
Jeff Stokes
Intermediate / Advanced

Thursday, October 3, 8:30 – 11:30am

We'll look at VDI configurations as dictated by various third parties and then dig deep into the Microsoft Premier Field Engineering script to optimize Windows 7 guests in VDI environments. We'll also talk about performance analysis of VDI environments, scaling and reliability of same. Windows Performance Toolkit and Sysinternals tools will be discussed.

You will learn:

- Learn how to engineer VDI implementations in the enterprise or Small/Medium Business environment

- Learn how to articulate guest performance metrics and characteristics to internal customers
- Learn how to avoid pitfalls in VDI implementations and proof of concepts

■ TH06 - High-Availability for Hyper-V: Clusters, Clusterless Live Migration, Hyper-V Replica and More
Mark Minasi
Introductory

Thursday, October 3, 12:30 – 3:30pm

Just about ten years ago, Microsoft decided to get into the virtualization business, and, well, a quick look at VMWare's market share can give you some idea of how that went for a long time. But Hyper-V 2008 wasn't bad Hyper-V 2008R2 had some really significant improvements, and Hyper-V 2012? Well, in a few words: if VMWare isn't scared, they ought to be. Join Windows Server expert and bestselling author Mark Minasi in a fast, fun, and immediately-useful explanation of what Hyper-V 2012 can do and how it does it. We'll cover the big picture quickly, and then move to explanations and demonstrations of how to create virtual machines (with PowerShell, naturally), get them running quickly, and then networking them. That leads to several kinds of Hyper-V clustering, including cluster shared volume (CSV)-based Hyper-V clusters and the all-new SMB-based clustering. Once that's covered, you'll discover how Hyper-V lets you move VMs around with Live Migration (which has been upgraded feature-wise since 2008R2) and 2012's two Hyper-V star features, Shared Nothing Live Migration and Hyper-V Replication. When Microsoft launched Server 2012, the person that they asked to introduce Shared Nothing to the world was Mark — come see this talk and you'll know why!

TechMentor Las Vegas Conference Co-Chairs

Don Jones,
TechMentor Conference Co-Chair

Founding Partner, Concentrated Technology

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

Greg Shields
TechMentor Conference Co-Chair

Partner and Principal Technologist, Concentrated Technology

Greg Shields is a Senior Partner and Principal Technologist with Concentrated Technology. He also serves as a contributing editor and columnist for TechNet Magazine and Redmond Magazine, and is a highly sought-after and top-ranked speaker for live and recorded events. 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.

TechMentor Las Vegas Advisory Board

Michael Domingo
Editor of Virtualization Review

Michael Domingo first began tracking IT and software development trends and issues in 1989, when he was a managing editor at Advisor Media.Since 1997, he's been a witness to Microsoft's efforts to maintain its dominance over competitors via its increasingly popular training and certification program and is the host of MCPmag's online chats and radio programs. Michael is an avid photographer and T.V. fanatic.

Lafe Low
Editor in Chief of TechNet Magazine

Lafe brings 20 years of experience as a writer and editor to the team of TechNet Magazine. Low served in various editorial positions with inCider, PC Games, InfoWorld and Redmond magazines. While working for CIO, he was the 2001 Neal Award winner for best single feature, and served with the 2001 and 2002 ASBPE Magazine of the Year award-winning editorial and design team.

Jeff Schwartz
Editor RedmondMag.com

Jeffrey Schwartz is the editor of 1105 Media's RedmondMag.com magazine, an editor-at-large 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 postions 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.

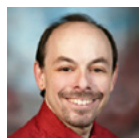# Speakers

Yung Chou
Technology Evangelist, Microsoft

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

Mike Danseglio
Author, Speaker and Consultant

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

Jason Helmick
Director of PowerShell Technologies, Interface Technical Training

Jason Helmick has 20-plus years in IT as an enterprise consultant, trainer and author. As the director of PowerShell Technologies at Interface Technical Training, and as a consultant, he focuses on automation with Active Directory and Internet Information Services. A founding designer of Interface's "HardHat" program, Jason teaches with a real-world view. His favorite phrase is, "You should be able to do the job on Monday." He is the co-founder and co-leader of the Arizona PowerShell User Group (AZPOSH) in Phoenix, Arizona.

Jeffery Hicks
Scripting Guru, IT Consultant

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)

Edward Horley
Principal Solutions Architect, Groupware Technology

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

Don Jones
Founding Partner, Concentrated Technology

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

> **"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*

also a multiple-year recipient of Microsoft's prestigious Most Valuable Professional (MVP) Award, and is the Editor-in-Chief for Realtime Publishers.

Sami Laiho
Senior Technical Fellow, Sovelto

Sami is a young but experienced trainer and consultant. Or how many 30 year old professionals can you find who have over ten years as an MCT and over 15 years as an Administrator? Sami is also an MVP in the Windows Client OS. Sami has been working with companies sized from tens of computers to tens of thousands of computers worldwide. Sami has been working in different TAP and RDP programs and was the lead consultant in the Windows 7 deployment planning for the city of Helsinki - capital of Finland. Sami is an MCSE in Windows NT 4.0 and a five time MCITP in Windows Vista, Server 2008 and 7. Sami is the team lead at a Blog site called itpro.fi which is the biggest of its kind in Finland. Sami has built a free replacement for the SteadyState product called the Wioski (http://www.wioski.com/) and a free password resetting tool called http://www.getabrandnewpassword.com/. Sami also develops software for admins at a site called http://www.adminize.com/. Sami is also a certified scuba diving instructor and a medic first aid instructor. Sami delivers consultation and classroom training for advanced topics on Windows 8, 7, Windows Server 2008 R2, Active Directory, Security, WSUS, MDT 2010 and Group Policy.

Todd Lammle
Consultant, Author, Speaker

Todd Lammle, CCSI, CCNA/ CCNA Wireless/CCNP/ CCSP/CCVP, MCSE, CEH/ CHFI, FCC RF Licensed, is the authority on Cisco certification and internetworking. He is a world renowned author, speaker, trainer and consultant. Todd has over 29 years of experience working with LAN's, WAN's and large licensed and unlicensed Wireless networks, and has published over 50 books, including the very popular Sybex Cisco CCNA Study Guide & Sybex CCNA Wireless Study guide. He runs an international training and consulting company based in Colorado, San Francisco, and Texas. You can reach Todd through his forum and blog at www.lammle.com.

Ed Liberman
Technical Trainer, Train Signal

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

Bruce Mackenzie-Low
Master Consultant, Hewlett-Packard

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

Mark Minasi
IT Consultant, Author, Speaker

Mark Minasi is a best-selling author, popular technology columnist, commentator, keynote speaker, and IT consultant. He first got the chance to play with a computer at a university class in 1973. At that time, he learned two things:• First, computers are neat. (People still said "neat" back in 1973. Hey, it was back in the 20th Century.) • Second, many technical people are very nice folks, but they can sure put you to sleep in an instant while explaining technical things. Mark transformed those two insights into a career making computers and networking easier and more fun to understand. He's done that by writing over a thousand computer columns, several dozen best-selling technical books, and explaining operating system and networking planning, installation, maintenance and repair to crowds from two to two thousand. An independent voice hailed as "Favorite Technical Author" by CertCities four times out of four, Mark has the unusual ability to take even the most technical topics, filter out the hype and explain them in plain English. Perhaps that's why when TechTarget hired him to deliver a webcast on PC tuning, he drew three times as many attendees as any of their previous webcasts, crashing Yahoo's servers, and why he's been hired to deliver keynote addresses at hundreds of techie conferences around the world. Mark is probably best known for his Mastering Windows Server and Complete PC Upgrade and Maintenance Guide books, both of which have seen more than 12 editions and sold over a million copies. An audience member at a recent talk remarked that he believed that Mark could "do a talk on watching paint dry that would be so good that people would be motivated to go home and paint a wall just to experience the joy of drying paint." While this has led to many very tempting offers from the likes of Sherwin-Williams and Behr, he's decided to stay with his first love... technology. Mark's humorous, provocative and yet informative style makes him a favorite of audiences around the world. Mark's firm, MR&D, is based in Pungo, a town in Virginia's Tidewater area which is distinguished by having one and only one traffic light.

John O'Neill Sr.
Chief Technologist, AWS Solutions

During his 20+ years in the IT industry, John has enjoyed the opportunity to work as a consultant, architect, executive, speaker, and author. He's been involved in multi-national networking, messaging, and communications projects as well as finding solutions for small mom and pop shops allowing them to use technology to increase business opportunity and decrease operational complexity. John has authored material for both Thomson-Reuters' Aspatore Books and Exec Blueprints publications. He regularly contributes technology articles to the Petri.co.il online community in addition to developing exciting training courses for TrainSignal. John often speaks at IT events around the nation. Recently he has been a featured presenter on innovative

> **"(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*

technology solutions for the enterprise at conferences such as TechMentor, Cloud and Virtualization Live!, the NEOSA CIO Summit, and the DRS Technology Expo. When he's not presenting at a conference, John can often be found leading informative webinars. John is proud to be NEOSA's CIO of the Year Award recipient in 2012.

Neil Peterson
Senior Premier Field Engineer, Microsoft

Neil Peterson, a Senior Premier Field Engineer with Microsoft Inc. has been working with and supporting System Center technologies for over twelve years. With a primary focus on System Center 2012 Configuration Manager, Neil also delivers client and data center automation solutions using System Center Orchestrator and enjoys evangelizing the integration of these two System Center technologies.

## Mike Pfeiffer
Premier Field Engineer, Microsoft

Mike Pfeiffer has been in the IT field for 15 years. He is a Microsoft Certified Master and a former Microsoft Exchange MVP. These days Mike works at Microsoft as a Premier Field Engineer where he helps customers deploy and maintain Microsoft Exchange and Lync Server solutions. You can find his writings online at mikepfeiffer.net, where he occasionally blogs about Exchange, Lync, and PowerShell-related topics.

Avril Salter
Principal Technologist, Next Direction Technologies
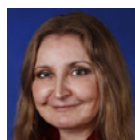
Dr. Salter is a consultant, writer and technical trainer with over 20 years of industry experience in deploying wireless networks and managing IT operations. She has held executive and technical positions at small start-ups and major corporations including IBM, Intel, Microsoft, Motorola, and Sprint. 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.

Greg Shields
Senior Partner and Principal Technologist, Concentrated Technology

Greg Shields is a senior partner and principal technologist with Concentrated Technology. He also serves as a contributing editor and columnist for TechNet Magazine and Redmond magazine, and is a highly sought-after and top-ranked speaker for live and recorded events. Greg can be found at numerous IT conferences such as TechEd, 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 the Microsoft Most Valuable Professional and VMware vExpert award.

Jeff Stokes
Senior Premier Field Engineer, Microsoft

Jeff Stokes has been in the IT field for 18 years. He currently does performance analysis for fortune 1000 companies. He is considered an expert in the realm of performance analysis of the Windows Operating System.

Richard Taylor
Consultant and Speaker

Rick is a SharePoint architect and has assisted numerous, large companies in their implementations including the US Air Force, Charles Schwab, and Nestle. He is a published author, co-author, and contributing author. Rick worked for Microsoft on the Platform Engineering Team for BPOS. Rick is based in Phoenix, AZ and is an avid Triathlete (Clydesdale class), enjoys playing chess and is active in the Boy Scouts of America.

Hotel & Travel

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*The room rate of $79.00 per night does not include the Clark County room tax of 12%. The room rate for Friday and Saturday night in the TechMentor room block is $149.00 + tax.

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Avis Rent-a-Car is offering a discount on car rental for TechMentor attendees. To receive the discounted rates, call Avis at 1.800.331.1600 and use the Avis Worldwide Discount (AWD) number D005872, or follow the link below to make your reservation online.

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Workshop Pass

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▶ Lunch
▶ Proceedings CD course notes

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

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TechMentor Group Discount with Hotel Package (3+ colleagues) Includes: ▶ 5-day Best Value Conference Pass ▶ 5 nights at the Tropicana (Room and tax only) - only available Sunday night (Sept 29) through Thursday night (Oct. 3) departing Friday (Oct. 4)	**$1,795** Save $600 off the Standard Rate	**$1,895** Save $500 off the Standard Rate

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