TECH**MENTOR**

IN-DEPTH TRAINING FOR IT PROS

AUGUST 7 – 11, 2017

MICROSOFT HEADQUARTERS

REDMOND, WA

TECHMENTOR 2017 TRACKS:

- Client
- DevOps
- Infrastructure
- IT Soft Skills
- Security
- Server / Datacenter
- The Real Cloud

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A MESSAGE FROM THE CO-CHAIRS

There's nothing quite like information straight from the source. That's exactly what TechMentor delivers this August 7-11 as we return to the Microsoft Campus for another week of straight-from-the-mothership IT learning.

The conversation continues this year with another look at the topics and technologies that are relevant and immediately-usable in your IT datacenter. Like always, each of our sessions is taught by either an independent industry expert who knows and uses their technology in the trenches or, by one of Microsoft's "blue badges" themselves. No one knows these topics better, and no one is better equipped to knowledge transfer them to you.

We break the content apart this year into seven major tracks, giving you the opportunity to hone your server and datacenter skills, learn the details of implementing DevOps, dig deep into the biggest client issues of the day, enhance your infrastructure and security positioning, get the real-world and immediately-usable guidance for cloud services, and even brush up on your soft skills. Take a tour through this extensive catalog of courses for all the details.

That's not all, though. TechMentor is also…not…the biggest IT learning conference out there. At TechMentor, we're not large and you're not a number. You'll get one-on-one time with our speakers and experts during our Birds-of-a-Feather lunch events, our kick-off Dine A-Round Dinner, and our Wednesday evening Seattle Sunset Cruise, among a week of opportunities.

You're also not bound by the usual 75-minute sessions seen at most other conferences. TechMentor goes in-depth with morning three-hour Deep Dives along with an entire Monday and Friday of long-form, and in some cases Hands-On, sessions that are not to be missed.

Whether your datacenter has a dozen servers or a 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 cutting-edge education designed to help you get the most from your current investment, while making smart decisions for future technology investments.

Are you ready for an unforgettable week in the middle of everything? We'll see you in Redmond!

Sami Laiho
Senior Technical Fellow, Adminize
TechMentor Conference Co-Chair

Greg Shields
Author Evangelist, Pluralsight
TechMentor Conference Co-Chair

WHY SHOULD YOU ATTEND TECHMENTOR REDMOND?

HERE ARE OUR TOP REASONS

1 Immediately Useable IT Training.

TechMentor is an independent, practical training conference focused on giving you real tools to tackle today's IT challenges – from automation to deployment to cloud and so much more.

2 Learn from Both Industry Experts and Microsoft Insiders.

Learn from both industry experts and Microsoft insiders about how to deal with the specific problems facing your company today.

3 Tips & Tricks to Save Time & Money.

The unique educational environment provides valuable tips, tricks and strategies to save your company time and money.

4 Just the Right Size to Talk, and Be Heard.

TechMentor is just the right size – big enough to have a wide educational reach, but small enough to make the industry contacts and speak 1-on-1 with thought leaders.

5 Networking Knowledge is Key.

Network with 3rd party speakers, Microsoft experts, industry insiders, and IT colleagues who can continue to help and guide you long after the conference has ended.

6 Training to Ensure Your Company's Success.

Your company has invested a good deal of money into its IT infrastructure. Attending TechMentor gives you the training and the know-how to capitalize on these investments.

7 Training to Advance Your Career!

As an IT professional, it's your responsibility to stay up-to-date on all the latest tools, topics, and trends. Advance your own professional worth by educating yourself on current and developing enterprise IT tools.

8 Experience Life @ Microsoft Headquarters

Live like a blue badge for the week – have lunch at the employee food court, visit the company center, run elbows with experts at the networking event, and so much more!

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EVENTS AND 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 special access!*
Monday, August 7 & Thursday, August 10

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, Office, Office for Mac, and Streets and Trips are available. XBOX 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 $200.
**Restrictions apply.
**Attendees will be given a voucher/form that allows them access to the employee only discount area to spend up to $200 of their own

money on select Microsoft products.
**All attendees must have a valid driver's license that matches the name on the voucher.
**If using a credit card for payment, the name on the card must match the name on your voucher and identification.
**If you are employed by a government agency or a school or university, you are not eligible for the discount pass due to Microsoft policy.
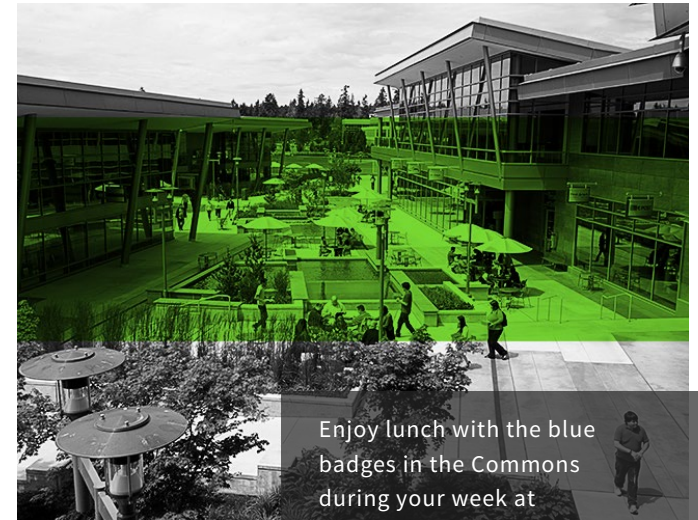
Enjoy lunch with the blue badges in the Commons during your week at TechMentor @ Microsoft

EVENTS AND ACTIVITIES

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

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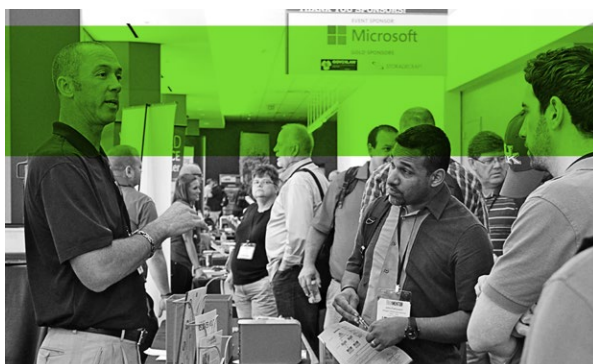
EVENTS

Dine-A-Round Dinner
Monday, August 7
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 7 & Thursday, August 10
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 and Microsoft Food Coupons will be provided as part of your TechMentor registration.

Exhibitor Reception
Tuesday, August 8
All conference attendees are invited to celebrate the start of TechMentor Redmond at the Welcome Reception. Join us in the expo area to network with fellow conference attendees and speakers, talk with the event sponsors, enjoy complimentary drinks and hors d'oeuvres.

EVENTS AND ACTIVITIES

Birds of a Feather Lunch
Wednesday, August 9
Enjoy lively lunchtime discussions by joining one of our table topic conversations. Tables will have a designated topic to help start discussions and interact with your fellow attendees. You may even learn a new trick or two or some great tips to take back to the office.

We will also have designated speaker tables - noted with the speaker's name. Join your favorite speaker for a lunchtime discussion or just to ask questions or clarify anything from their sessions.

I LIKED THE FACT that the tracks I attended were presented literally by the guys that wrote the book on the subject.

– KEITH RAGLAND, SUNCOAST CENTER

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EVENTS AND ACTIVITIES

SET SAIL! TECHMENTOR'S SEATTLE SUNSET CRUISE

Wednesday, August 9
6:15pm – 9:00pm
Pre-registration & $10 Confirmation Fee Required

Experience Seattle from the Eastside on this 90-minute narrated cruise of Lake Washington! Learn the history of the Eastside and Seattle neighborhoods bordering Lake Washington, take a swing by the Bill and Melinda Gates estate, and pass under the new Evergreen Point Floating Bridge (SR 520). Weather permitting, you'll take in breath-taking, panoramic views of the Seattle skyline and the Olympic mountain range to the west, and the majesty of Mount Rainier and the Cascade mountain range to the south and east. Complimentary light snacks and beverages will be available.

The tour will depart from the Kirkland City Dock at 7pm. Shuttles will be available from the Hyatt Regency Bellevue to the Kirkland City Dock between 6:15pm and 6:45pm. The tour will depart from the Kirkland City Dock at 7pm. Return shuttles to the Hyatt Regency Bellevue will be available from 8:30pm – 9:00pm.
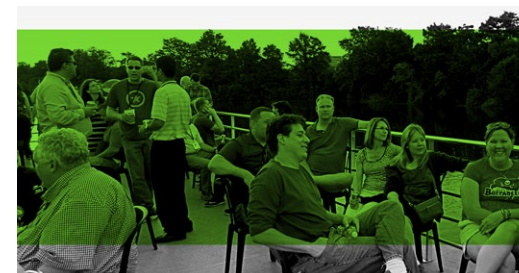
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TECHMENTOR PRE-CONFERENCE WORKSHOPS: MONDAY, AUGUST 7, 2017
(SEPARATE ENTRY FEE REQUIRED)

START TIME	END TIME			
9:00 AM	12:00 PM	M01 - Workshop: Secure Access Everywhere! Implementing DirectAccess with Windows Server 2016 - Richard Hicks	M02 - Workshop: Architecting Modern Identity Using Azure Active Directory (BYOL-RA) - Kunal D Mehta 🔒	M03 - Workshop: Identify Network Abuse with Wireshark - Timothy Warner
12:00 PM	2:00 PM	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center		
2:00 PM	5:00 PM	M04 - Workshop: Everything You Forgot to Ask About Certificate Services - Orin Thomas	M05 - Workshop: Linux OS Fundamentals for the Windows Admin - Anthony Nocentino	M06 - Workshop: Ethical Hacking: Reconnaissance, Information Gathering, Legality, and Mobile Phone Hacking - Mike Danseglio & Avril Salter
6:30 PM	8:30 PM	Dine-A-Round Dinner		

TECHMENTOR DAY 1: TUESDAY, AUGUST 8, 2017

START TIME	END TIME				
8:30 AM	9:30 AM	▶▶ **Keynote:** Topic To Be Announced - Michael Niehaus, Director of Product Marketing, Windows Commercial Team, Microsoft			
9:45 AM	12:45 PM	T01 - Deep Dive: Breaking Open the Azure AD Connect Tool (BYOL-RA)- Kunal D Mehta 🔒	T02 - Deep Dive: Harvesting the Web Automatically: Screen Scraping, SOAP, XML and REST with PowerShell - Mark Minasi	T03 - Deep Dive: DirectAccess Troubleshooting Deep Dive - Richard Hicks	T04 - Deep Dive: Ethical Hacking: Building a Toolkit, Wireless Hacking, Network Penetration, Snooping, and Denial of Service - Mike Danseglio & Avril Salter
12:45 PM	1:45 PM	Lunch - Visit Exhibitors			
1:45 PM	3:00 PM	T05 - Mastering End-User Training with Camtasia: Hardware, Software, and Really Smart Practices - Greg Shields	T06 - Understanding Azure Security Center - Orin Thomas	T07 - Connect to the Cloud! Getting Started with Azure Site-to-Site Networking - Richard Hicks	T08 - To Be Announced
3:00 PM	3:30 PM	Sponsored Break - Visit Exhibitors			
3:30 PM	4:45 PM	T09 - Considering Microsoft Certification? Guarantee Success in Just One TechMentor Session - Greg Shields	T10 - Understand the Difference Between Microsoft Azure and Amazon AWS - Timothy Warner	T11 - Deploying, Configuring, and Managing Nano Server - Orin Thomas	T12 - To Be Announced
4:45 PM	6:15 PM	Exhibitor Reception – Attend Exhibitor Demos			

🔒 *HOL / RA- Bring Your Own Laptop for Hands-On Labs or Ride Along see session description for prerequisites*

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START TIME	END TIME	TECHMENTOR DAY 2: WEDNESDAY, AUGUST 9, 2017			
8:00 AM	9:15 AM	W01 - Windows as a Service Explained: Really, I've to Upgrade Windows Every Year? - Mark Minasi	W02 - Secure Your Network with Just Enough Administration (JEA) - Jason Helmick	W03 - Azure RemoteApp Is Dead: Long Live RDS-as-a-Service - Andy Milford	W04 - Dealing with App Install Overload: Repackaging Software for Easy Deployment - John O'Neill, Sr.
9:30 AM	10:45 AM	W05 - Time to Use Regular Expressions More, Um, Regularly - Mark Minasi	W06 - PowerShell Desired State Configuration (DSC) for the IT Ops Engineer - Jason Helmick	W07 - Remote Desktop Services in Windows Server 2016: The Good, the Bad, the Ugly - Andy Milford	W08 - Create a Customized Office 365 Software Deployment Package - John O'Neill, Sr.
11:00 AM	12:00 PM	**General Session:** Topic To Be Announced - Aaron Margosis, Principal Consultant, Global Cybersecurity Practice, Microsoft			
12:00 PM	1:00 PM	Birds-of-a-Feather Lunch - Visit Exhibitors			
1:00 PM	1:30 PM	Sponsored Break - Exhibitor Raffle @ 1:10 pm (Must be present to win)			
1:30 PM	2:45 PM	W09 - Get Trained, Get Experience, Get Certified: Learn How MS Learning Can Help on Your Career Journey - Liberty Munson	W10 - Using Desired State Configuration in Azure - Will Anderson	W11 - From Helpdesk to the Big Desk: How to Prepare for IT Management - Matthew B. Parks, Sr.	W12 - Understanding Windows 10/2016's Super Security: VSM, Trustlets, The Guards and More - Mark Minasi
3:00 PM	4:15 PM	W13 - How to Build a Conference - Winning Technical Presentation - Sami Laiho	W14 - Windows PowerShell Module Administration and PackageManagement - Michael Wiley	W15 - Azure Site Recovery for Easy, Secure, Off-Site Backup - John O'Neill, Sr.	W16 - Managing O365 with ConfigMgr - End-to-End - Steven Rachui
6:15 PM	9:00 PM	Set Sail! TechMentor's Seattle Sunset Cruise			

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TECHMENTOR DAY 3: THURSDAY, AUGUST 10, 2017

START TIME	END TIME				
8:00 AM	9:15 AM	TH01 - Why Group Policy Isn't Dead, Still Matters, and What's New in Group Policy for Windows 10 - Jeremy Moskowitz	TH02 - Advance Your Career Options with Cross Platform Management and Automation - Jason Helmick	TH03 - Pen Testing with PowerShell: Cmdlets That'll Pwn Your Network - Dale Meredith	TH04 - Running Windows Server 2016 on Amazon Web Services (AWS) - Mike Pfeiffer
9:30 AM	10:45 AM	TH05 - Top Windows Server 2016 and Windows 10 Gotchas - Jeremy Moskowitz	TH06 - Integrating Office Online Server with SharePoint and Exchange - Vlad Catrinescu	TH07 - Bypass Every Security Technology with Social Hacking: A Beginner's Toolkit - Dale Meredith	TH08 - Architecting Highly Available and Resilient Deployments on Microsoft Azure - Mike Pfeiffer
11:00 AM	12:15 PM	TH09 - Deep Dive: Windows Server 2016 Containers - Mike Pfeiffer	TH10 - PowerShell for Office 365 - Vlad Catrinescu	TH11 - Whitelisting: Smacking Down Ransomware with Microsoft AppLocker and 3rd Party Whitelisting Tools - Jeremy Moskowitz	TH12 - Using the Cloud to Build an Effective Business Continuity Strategy - Matthew B. Parks, Sr.
12:15 PM	2:15 PM	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center			
2:15 PM	3:30 PM	TH13 - ConfigMgr in the Cloud - Part I - Steven Rachui	TH14 - Creating Your Own Custom DSC Resources - Melissa Januszko	TH15 - Implementing Multifactor Authentication, the Easy Way - John O'Neill, Sr.	TH16 - Surface in the Enterprise - Power Management, Security, and Deployment - Carl Luberti
3:45 PM	5:00 PM	TH17 - ConfigMgr in the Cloud - Part II - Steven Rachui	TH18 - Configuring Active Directory Certificate Services for DSC Credential Encryption - Melissa Januszko	TH19 - SysInternals Tools: Process Explorer and Process Monitor - Sami Laiho	TH20 - Implementing Hyper-V Failover Clusters in Windows Server 2016 - Bruce Mackenzie-Low

TECHMENTOR POST-CONFERENCE WORKSHOPS: FRIDAY, AUGUST 11, 2017
(SEPARATE ENTRY FEE REQUIRED)

START TIME	END TIME		
9:00 AM	12:00 PM	F01 - Workshop: Deep Dive Windows Performance Monitoring (BYOL-HOL) - Bruce Mackenzie-Low 🖰	F02 - Workshop: BlackBelt - Windows Security Internals - Sami Laiho
12:00 PM	1:00 PM	Lunch	
1:00 PM	4:00 PM	F03 - Workshop: An Absolute Beginners Guide to Storage Spaces Direct (S2D) - Dave Kawula	F02 - Workshop: BlackBelt - Windows Security Internals (Continues) - Sami Laiho

🖰 *HOL / RA- Bring Your Own Laptop for Hands-On Labs or Ride Along see session description for prerequisites*

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KEYNOTES

Get the lowdown on Microsoft's current strategy. Learn where the company is going and how it will affect your job. Strengthen your career and sharpen your mind with this awesome "insider" keynote and general address.

> **LOVE THE HANDS-ON LABS** and no PowerPoint, the best!
>
> – JOE PRICE, SANTA BARBARA MUSEUM OF ART

TUESDAY KEYNOTE
August 8, 2017
8am - 9am
Topic To Be Announced
Michael Niehaus, Director of Product Marketing, Windows Commercial Team, Microsoft

Michael Niehaus is a Director of Product Marketing at Microsoft, responsible for helping enterprise IT pros with Windows deployment and manageability needs. Prior to joining the Windows Commercial team, Michael was a longtime program manager and developer for the Microsoft Deployment Toolkit, having joined Microsoft in 2004 after spending 14 years working in enterprise IT.

WEDNESDAY GENERAL SESSION
August 9, 2017
11am - 12pm
Topic To be Announced
Aaron Margosis, Principal Consultant, Global Cybersecurity Practice, Microsoft

Aaron Margosis is a Principal Consultant with Microsoft's Global Cybersecurity Practice, where he has worked with security-conscious customers since 1999. Aaron specializes in Windows security, least-privilege, application compatibility, and the configuration of locked-down environments. He is a top speaker at Microsoft conferences, and created many of the tools commonly used by organizations implementing high-security environments, including LUA Buglight, Policy Analyzer, IE Zone Analyzer, LGPO.exe (Local Group Policy Object utility), and MakeMeAdmin, which can be downloaded through his blog (https://blogs.msdn.microsoft.com/aaron_margosis) or through two team blogs for which he is a primary author (https://blogs.technet.microsoft.com/fdcc and https://blogs.technet.microsoft.com/SecGuide).

TECHMENTOR REDMOND 2017
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WORKSHOPS

Choose from a wide range of content and topics by expert presenters with TechMentor Orlando's Pre- and Post-Conference half-day and full-day workshops.

> PRE-CONFERENCE WORKSHOPS

M01 - Workshop: Secure Access Everywhere! Implementing DirectAccess with Windows Server 2016 *– Intermediate*
Richard Hicks
Monday, August 7, 9:00am – 12:00pm

With today's highly mobile workforce, providing secure access from any location is essential for maintaining productivity. DirectAccess is a remote access technology included with Windows Server 2016. It represents a paradigm shift in delivering remote access. DirectAccess provides always on, seamless and transparent remote access any time a client is connected to the Internet. With DirectAccess, users can access data and applications remotely as if they were in the office. Network communication is protected with IPsec encryption and authenticated with Kerberos, NTLM, and certificates. DirectAccess connectivity is bidirectional, which provides for compelling manage-out capabilities not available with tradition VPN solutions.

You will learn:
+ What's new with DirectAccess in Windows Server 2016
+ Best practices for security, scalability, and performance
+ How to implement, manage, and support DirectAccess in the enterprise

M02 - Workshop: Architecting Modern Identity Using Azure Active Directory (BYOL-RA) *– Intermediate*
Kunal D Mehta
Monday, August 7, 9:00am – 12:00pm

Azure AD is the center of all identity and access in the cloud. Every Microsoft product in the cloud and thousands of third party applications depend on it for validating user accounts online. Azure, Office 365, EMS, Intune, OMS, all of them leverage Azure AD to store their user identities data.
　　This session will take a deep dive into Azure AD—what it is, its architecture, AD Connect tool, B2B, B2C, AAD Domain Services, creating and configuring user accounts, groups, policies, granting access to applications, and configuring the Application Proxy. You'll also get to experience the brand new Azure AD Admin Experience.
　　By the end of this session, you will have enough understanding of Azure AD to deploy a test environment in your own organization and set up the basic things to plan and assess for a potential adoption strategy. This will be a demo heavy session you can follow along if you have an Azure subscription and a laptop.

You will learn:
+ About the architecture, AAD Connect tool, B2B, B2C, AAD Domain Services
+ How to create and configure users, groups, policies, and grant them access to applications
+ About the brand new Azure AD Admin Experience

M03 - Workshop: Identify Network Abuse with Wireshark *– Intermediate*
Timothy Warner
Monday, August 7, 9:00am – 12:00pm

Network analysis tools like Wireshark help you generate quantitative proof or qualitative network issues. This session will cover several common network abuse scenarios and help you learn how Wireshark can help solve them.

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You will learn:
+ About Wireshark and the packet capture process
+ How to apply real-world situations to Wireshark, including complex display filters
+ How to apply Wireshark for diagnostic and forensic analysis

■ **M04 - Workshop: Everything You Forgot to Ask About Certificate Services** – *Intermediate / Advanced*
Orin Thomas
Monday, August 7, 2:00 – 5:00pm

Custom templates, auto-enrollment, revocation, CRLs, OCSP arrays, offline root CAs, migrating to a new root CA, making CAs highly available—Certificate Services is a core infrastructure service. However, most server administrators don't pay it much attention; sometimes even forgetting to renew the root certificate. This session will cover what you need to know and what you should know about this oft forgotten aspect of critical infrastructure so you can start feeling comfortable, instead of apprehensive, about your Certificate Services deployment.

You will learn:
+ How to deploy an effective Windows based PKI infrastructure
+ How to manage certificate services
+ About secure certificate services

■ **M05 - Workshop: Linux OS Fundamentals for the Windows Admin** – *Intermediate*
Anthony Nocentino
Monday, August 7, 2:00 – 5:00pm

PowerShell and SQL Server are now available on Linux. Management wants you to leverage this technology shift to more effectively manage your systems, but you're a Windows guy. Fear not—it's just an operating system. It has all the same components as Windows. This session will show you that; looking at the Linux architecture and showing you how to interact with and manage Linux. After this session, you'll be ready to go back to the office and get started working with Linux.

You will learn:
+ Process and service control
+ Configuration and System resource management (CPU, disk and memory)
+ Using PowerShell to interact with Linux systems

■ **M06 - Workshop: Ethical Hacking: Reconnaissance, Information Gathering, Legality, and Mobile Phone Hacking** – *Intermediate*
Mike Danseglio & Avril Salter
Monday, August 7, 2:00 – 5:00pm

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. This session will include demonstrations of live hacking including social media scanning and external network footprinting. On the ethical side, you'll learn the legality of these techniques and where to draw the line between IT professional and criminal. This session ends with discussion and demonstration of hacking a mobile phone… whether it's iOS or Android, you'll have to attend to find out!

At the end of this session an attendee will be able to:
+ Apply hacker techniques to examine a network

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+ Determine and prioritize optimal targets for hacking
+ Select the most appropriate attack for a given asset
+ Create and implement an attack plan using hacker methodologies
+ Adhere to boundaries for legal and ethical activities

> POST–CONFERENCE WORKSHOPS

■ **F01 - Workshop: Deep Dive Windows Performance Monitoring (BYOL-HOL)** – *Intermediate*
Bruce Mackenzie-Low
Friday, August 11, 9:00am – 12:00pm

In this deep-dive three hour workshop, you'll get plenty of hands on experience as you practice newly acquired Windows performance monitoring skills. You'll learn about a variety of tools for accomplishing different types of monitoring, from interactive real time monitoring, to automated analysis of performance data collected in the background. You'll learn about the latest cutting edge tools from Microsoft such as the Windows Performance Toolkit and how it helps you to analyze low level kernel activity and device drivers. You'll also understand what remedies are available to resolve resource bottlenecks and unleash the full power of your systems. Bring your own laptop running Windows 7 or later to follow along with the lab sessions. You'll need at least 2GB of free disk space to install tools and stage lab materials. Power strips will be provided.

You will learn:
+ Best practices for monitoring system and application performance
+ About proven tools and techniques to identify bottlenecks
+ About the latest free tools from Microsoft you can take back to your office

■ **F02 - Workshop: BlackBelt - Windows Security Internals** – *Intermediate*
Sami Laiho
Friday, August 11, 9:00am – 4:00pm

Building a secure Windows infrastructure requires you to know how the security subsystem really works. This workshop will take you deep beneath the surface of Windows Security features like: BitLocker, Limited User Account problems, AppLocker, Device Guard, Credential Guard and PTH-mitigations, Windows Hello, Windows Passport, UAC, Security Templates, Group Policy, SIDs, Access Tokens and security descriptors. Sami is known worldwide for his Windows Internals sessions, so you will not be disappointed.

You will learn:
+ How Windows Security subsystem really works
+ How Authentication and Authorization really works and how to keep it secure
+ How your enemy bypasses Windows Security

■ **F03 - Workshop: An Absolute Beginners Guide to Storage Spaces Direct (S2D)** – *Introductory*
Dave Kawula
Friday, August 11, 1:00 – 4:00pm

In this workshop, you'll learn everything you need to know about Microsoft Hyper Converged Storage Solution called Storage Spaces Direct (S2D). This session will cover all of the key concepts required to build your own Storage Spaces Direct environment. You'll see a live environment built out and configured in both Windows Server 2016 GUI and Nano Server. Storage Spaces Direct (S2D) is the new storage foundation in your data center and this session is one that you will surely enjoy.

You will learn:
+ About Windows Server 2016
+ About Storage Spaces Direct (S2D)
+ About Windows Server 2016 Networking

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CLIENT

There's definitely some exciting stuff happening in the server space. But you still have to support, upgrade, migrate, and troubleshoot all those client computers, right? We've got your back with a brand-new lineup of client-centric sessions from some of our favorite speakers.

■ **W01 - Windows as a Service Explained: Really, I've Got to Upgrade Windows Every Year?** – *Introductory/Intermediate*
Mark Minasi
Wednesday, August 9, 8:00 – 9:15am

One of the first things we learned about Windows 10 was that it was the last true version of Windows. That's why it was so jarring to subsequently learn Microsoft will actually release one or more new versions of Windows annually. So in other words, while Windows 10 is the last version of Windows, it's not really finished—and probably never will be.

Odd as it sounds, the idea of a constantly-changing Windows stems from a popular and years-old approach to software development called "agile." Microsoft's label for this never-finished Windows is "Windows as a Service."

Microsoft will essentially roll out a new version of Windows every six months. You'll need to upgrade your systems to that new Windows within a year, or your system won't get security patches any more.

While that sounds a bit nutty, it may herald some truly positive changes for Windows users and administrators. In any case Windows admins really need to understand the ins and outs of this rapid-fire pace of Windows upgrades.

Fortunately for them, veteran Windows expert and bestselling author Mark Minasi has assembled a concise, entertaining talk explaining Windows as a Service from start to finish. After hearing Mark's description, you'll know how high flights are different from low flights, how to control the branch upon which your updates live, and how not to tear your hair out about the new ever-changing Windows.

You will learn:
+ What Microsoft means by "Windows as a Service"
+ The details of using "Windows Update for Business" to keep your systems updated and patched
+ How to plan for your Windows 10 upgrades

W04 - Dealing with App Install Overload: Repackaging Software for Easy Deployment – *Introductory*
John O'Neill, Sr.
Wednesday, August 9, 8:00 – 9:15am

Let's face it—the shoe leather approach to software installation just doesn't cut it anymore. As IT pros, we need to quickly and easily deploy software with the options and additions our users need. This often involves creating and customizing software packages. This session will teach you how to perform common tasks such as repackaging an MSI, customizing installation options,

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testing installation packages, and troubleshooting when things go wrong.

You will learn:
+ How to package and repackage software
+ How to download, install, and use Microsoft Orca
+ How to use custom transform files
+ How to debug MSI problems

W08 - Create a Customized Office 365 Software Deployment Package – *Introductory*
John O'Neill, Sr.
Wednesday, August 9, 9:30 – 10:45am

Office 365 installations rely on click-to-run installers streaming setup files from the Internet. Unfortunately, this approach often misses the mark for larger organizations. Larger deployments require more administrative control and better bandwidth utilization. This session will detail how to leverage the Office Deployment Tool to customize an Office 365 installation. You'll learn how to fine tune program options and define a local Office 365 deployment share to speed installations.

You will learn:
+ The difference between the standard Office installer and Office 365 Click to Run installers

+ How to download and use the Office Deployment Tool
+ How to install Office 365 using a customized local Office 365 Click to Run deployment share

W16 - Managing O365 with ConfigMgr - End-to-End – *Intermediate / Advanced*
Steven Rachui
Wednesday, August 9, 3:00 - 4:15pm

Explore the options and strategy around managing Office 365 with ConfigMgr. Discussion and examples will focus on deploying Office 365 and how to perform ongoing management. This session will also cover reporting options, including the Office 365 dashboard and Power BI options.

You will learn:
+ Strategies to deploy O365
+ How to manage existing installations of O365
+ How to report on O365 Status

TH13 - ConfigMgr in the Cloud - Part I – *Intermediate / Advanced*
Steven Rachui
Thursday, August 10, 2:15 – 3:30pm

This is part one of two sessions that will focus on the

management capabilities of ConfigMgr in Azure. This session focuses on those specific features of ConfigMgr that require Azure; including Cloud DP's, the Cloud Proxy, Upgrade Analytics, Client Health Attestation and more.

You will learn:
+ How to configure and use Cloud Distribution Points
+ How to understand and implement use-case scenarios for using the Cloud Proxy
+ How to implement and Understand the Benefits of Implementing Upgrade Analytics and Device Health Attestation

TH16 - Surface in the Enterprise - Power Management, Security, and Deployment – *Intermediate / Advanced*
Carl Luberti
Thursday, August 10, 2:15 – 3:30pm

Learn how Surface devices are designed for enterprise usage, including battery management under connected standby, how to secure and deploy device configurations with Surface Enterprise Management Mode (SEMM), and how to deploy and manage devices in the enterprise using Surface deployment and ongoing management best practices.

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You will learn:
+ About Modern/Connected standby
+ How the OS and hardware manage power and battery life

TH17 - ConfigMgr in the Cloud - Part II – *Intermediate / Advanced*
Steven Rachui
Thursday, August 10, 3:45 – 5:00pm

This is part two of two sessions that focus on the management capabilities of ConfigMgr in Azure. This session focuses on two scenarios—leveraging ConfigMgr in the cloud to manage resources in the cloud and leveraging ConfigMgr in the cloud to manage on-premises resources.

You will learn:
+ How to leverage ConfigMgr in Azure to manage systems in Azure
+ How to leverage ConfigMgr in Azure to manage on-Premises systems

TH19 - SysInternals Tools: Process Explorer and Process Monitor – *Intermediate*
Sami Laiho
Thursday, August 9, 3:45 - 5:00pm

The Process Explorer and Process Monitor are the most important tools for troubleshooting Windows. Join Sami Laiho, one of the world's leading Windows OS experts, for this session that will show you all the tips and tricks on how to use these tools to troubleshoot Windows.

You will learn:
+ How to effectively use Process Explorer
+ How to effectively use Process Monitor
+ How to troubleshoot real world problems with the SysInternals tools

DEVOPS

We've got your PowerShell, we've got your automation, and we've got your Azure stack. It's all part of the new DevOps approach to things. We'll help you learn the tools and tech you need to make it happen inside your organization.

T02 - Deep Dive: Harvesting the Web Automatically: Screen Scraping, SOAP, XML and REST with PowerShell – *Introductory/ Intermediate*
Mark Minasi
Tuesday, August 8, 9:45am – 12:45pm

The day stars the same for many IT pros—surfing to catch up. We skim our Twitter feeds, check out The Picture of the Day from some amazing photo site, check the weather, peek at eBay to see if that prized item is selling under $100 yet, or whatever. That's great, but what isn't so great is the fact that most of us are gathering those data the same way we've been doing it for it for twenty years—by clicking around in a web browser. It's the 21st century, and IT pros hoping to remain employed are automating things. It's high time to turn The Robot Hand of PowerShell to our daily web data-gathering tasks, whether personal- or business-related.

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PowerShell includes a number of essential web-harvesting cmdlets (including Invoke-WebRequest and Invoke-Restmethod, amongst others). These help you automate web surfing and data interpretation, but unless you're familiar with the workings of "screen scraping," "web services," "SOAP" and the like, you probably won't have time to figure them out. So come along to this session by best-selling tech author and speaker Mark Minasi, "the Chief Explainer of the Really Complex." This session assumes no knowledge of PowerShell, SOAP, XML, REST or JSON. You'll be introduced to them all on the way. Attend this session and become the Master of Web Automation.

You will learn:
+ How Invoke-WebRequest and some regular expressions can let you "screen scrape," plucking just the one important bit of data from a web page automatically
+ About the basics of SOAP and REST-type web services

■ **W02 - Secure Your Network with Just Enough Administration (JEA)** – *Intermediate*
Jason Helmick
Wednesday, August 9, 8:00 – 9:15am

Learning to secure a multi-server, multi-role environment from excessive administration, while still properly

managing these environments, is one of the most important security projects you can accomplish. Let Jason Helmick take you through creating and implementing JEA endpoint for secured administration. This will help you reduce the number of admins with excessive privilege. You will also learn how to gradually and safely implement JEA based on best practices.

You will learn:
+ How to create constrained endpoints for administration
+ How to perform rapid deployment strategies
+ The best practices and common "Gotchas"

■ **W05 - Time to Use Regular Expressions More, Um, Regularly** – *Introductory*
Mark Minasi
Wednesday, August 9, 9:30 – 10:45am

Is that a valid e-mail address or just a SQL probe? Does that folder full of Word files have any credit card or bank routing numbers? How can I easily extract just a few important bits of weather data from a page full of raw HTML? If you've been coding or scripting for any time at all, then you know the answer—regular expressions or regexes. For most of us, though, regex is one of those "I'll get around to it one day" things. While d=digit, s=white space, and so on is relatively

easy to learn, regex soon becomes opaque.

In this medium-deep dive, award-winning author, teacher and veteran of more text processing debacles than he prefers to remember, Mark Minasi, shines a light on how regex works and how to get the most out of it. Attend this session because Mark "sed" so.

You will learn:
+ What regular expressions are and why on Earth you would use this "looks like line noise" tool
+ About both regex recognitions and captures
+ How to use them with PowerShell—even if you don't know PowerShell

■ **W06 - PowerShell Desired State Configuration (DSC) for the IT Ops Engineer** – *Intermediate*
Jason Helmick
Wednesday, August 9, 9:30 – 10:45am

You want to start moving your company forward. Why not start with the configuration management side of DevOps? Learn PowerShell while learning PowerShell DSC and get control of your servers while preventing drift. Go through the process with PowerShell MVP Jason Helmick as he takes you through real-life server, server role and application deployment.

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You will learn:
+ What resources are available off-the-shelf and when it's time to create your own custom resource
+ How to deploy basic infrastructure configurations
+ How to manage drift and updates with DSC
+ Insights into creating custom DSC resources

■ W10 - Using Desired State Configuration in Azure – *Intermediate*
Will Anderson
Wednesday, August 9, 1:30 – 2:45pm

Cloud and Datacenter Management MVP Will Anderson will take you through using Azure's Desired State Configuration to deliver VM deployment solutions in the cloud that conform to your organizations' requirements. Learn the different methods to deploy your desired state configurations into Azure to manage both your Service Management and Resource Manager IaaS deployments.

You will learn:
+ How to use Azure's push and pull methods of DSC deployments
+ How to use Azure's reporting capabilities to validate applied configurations for managed compliance

■ W14 - Windows PowerShell Module Administration and PackageManagement – *Intermediate / Advanced*
Michael Wiley
Wednesday, August 9, 3:00 - 4:15pm

Administering PowerShell Modules as well as understanding Module discovery and Command discovery is essential to fully utilize PowerShell. This session will begin by exploring the steps to create your own custom Modulelibrary in which you can store and share your own code. You'll also look at best practices for setting up your library in a way that allows for versioning and autoloading your own custom commands. Finally, you'll take a look at PackageManagement—a new feature in PowerShell that lets you search, install, update and remove Modules from online repositories. This session will also include an overview of both PackageManagement and PowerShellGet.

You will learn:
+ How to create custom PowerShell commands and store them in modules
+ Best practices for Module library management
+ How to take advantage of the new PackageManagement feature in Windows PowerShell

■ TH02 - Advance Your Career Options with Cross Platform Management and Automation – *Intermediate*
Jason Helmick
Thursday, August 10, 8:00 – 9:15am

You already have the automation skills on Windows using PowerShell and DSC. Now you can step up your game and open a door to new career possibilities by managing Linux with PowerShell. Join PowerShell MVP Jason Helmick as he shows you how to quickly set up your environment to manage and start automating Linux with PowerShell and Desired State Configuration (DSC).

You will learn:
+ How to install and configure PowerShell on Linux
+ How to automate Linux management with PowerShell Remoting and DSC
+ How to get resources to help increase your knowledge of the Linux OS

■ TH10 - PowerShell for Office 365 – *Intermediate*
Vlad Catrinescu
Thursday, August 10, 11:00am – 12:15pm

Take your Office 365 Administrator skills further by learning to automate repetitive tasks using the magic of

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PowerShell. This session will show you how to use PowerShell for Office 365. You'll also learn how to automate tasks in SharePoint, Exchange as well as manage Users, Groups and licenses.

You will learn:
+ How to connect to Office 365 services by using PowerShell
+ How to change advanced settings not available in the UI
+ How to automate boring tasks using PowerShell

■ **TH14 - Create Your Own Custom DSC Resources** *– Intermediate*
Melissa Januszko
Thursday, August 10, 2:15pm – 3:30pm

There is already a decent number of Microsoft and community-written PowerShell DSC resources on the PowerShell Gallery. But what if the resource you need doesn't exist? Take the next step in DSC configuration building and build your very own custom DSC resource. Let "in-the-trenches DSC expert" Melissa Januszko show you how to start with the technology you already know and love in PowerShell to go from a PowerShell script to a DSC Script Resource to a custom resource in no time.

You will learn:
+ How to use a script resource to turn PowerShell code into a DSC resource
+ How to turn the script resource into a custom DSC resource
+ How to package the DSC resource for use in configurations

■ **TH18 - Configure Active Directory Certificate Services for DSC Credential Encryption** *– Intermediate*
Melissa Januszko
Thursday, August 10, 3:45pm – 5:00pm

At times, you'll have to specify alternate credentials in DSC Configurations. Encryption is an absolute must for protecting these credentials in any production environment. Encrypting credentials in PowerShell DSC Configurations requires a PKI infrastructure that issues document encryption certificates. In this session, DSC expert Melissa Januszko explains how to configure a PKI infrastructure for your DSC needs, including why you want a PKI, how to set up a two-tier PKI, and how to configure the PKI to issue document encryption certificates.

> **THE CALIBER OF SPEAKERS AND THEIR EXPERTISE WAS TOP NOTCH.** I was very pleased with how relevant everything was to my work projects.
>
> – VIC SCHILL,
> HEALTH EQUITY, INC.

You will learn:
+ Best practices for setting up a PKI
+ How to install and configure ADCS using DSC
+ How to configure the AD and ADCS infrastructure to issue certificates
+ How to use the certificates to encrypt credentials in a DSC configuration

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INFRASTRUCTURE

The infrastructure track covers the services that make your server, client, application and services work together in an IT environment. The best teachers the industry has to offer are here to teach you topics like: about services like RDS, Direct Access, Certificate Services, IP-addressing and Group Policy.

■ T03 - Deep Dive: DirectAccess Troubleshooting Deep Dive – *Advanced*
Richard Hicks
Tuesday, August 8, 9:45am – 12:45pm

DirectAccess is a thing of beauty when it works correctly. Once installed and configured, it often requires little ongoing maintenance. However, when it doesn't work, DirectAccess can be the bane of your existence. DirectAccess relies on numerous Windows platform technologies including Active Directory, IPsec, IPv6, digital certificates, and more. When a DirectAccess client is unable to connect, it can be quite challenging to determine where the problem lies. During this session, you'll learn valuable troubleshooting strategies and lessons learned from deploying DirectAccess and troubleshooting client connectivity issues for some of the largest organizations in the world. You'll also learn valuable background information and essential guidance that is sure to streamline your troubleshooting efforts and reduce the time it takes to restore connectivity.

You will learn:
+ How to identify and remediate common causes of DirectAccess client connectivity failure
+ How to collect and evaluate diagnostic log data
+ How to avoid common pitfalls that lead to outages

■ T07 - Connect to the Cloud! Getting Started with Azure Site-to-Site Networking – *Intermediate*
Richard Hicks
Tuesday, August 8, 1:45 – 3:00pm

As organizations begin to adopt Microsoft Azure Infrastructure-as-a-Service (IaaS), virtual machines running in Azure often need access to on-premises resources such as Active Directory or SQL databases. The reverse is also true. On-premises systems often need to access cloud-based systems. It's increasingly common to manage cloud-based virtual machines just as on-premises systems, which requires network-level connectivity. Microsoft Azure provides a site-to-site VPN gateway to help organizations connect their Azure-hosted virtual machines to their on-premises networks or even other cloud providers. This session will explore different methods to use the Azure site-to-site VPN gateway to enable cross-premises network connectivity.

You will learn:
+ How to identify Azure site-to-site VPN configuration options
+ How to understand on-premises gateway requirements
+ How to create a site-to-site VPN gateway in Azure

■ W03 - Azure RemoteApp Is Dead: Long Live RDS-as-a-Service – *Introductory/ Intermediate*
Andy Milford
Wednesday, August 9, 8:00 – 9:15am

Microsoft had great intentions and ambitions when it launched Azure RemoteApp in December 2014. Only a year and half later, Microsoft had killed it. Now organizations wishing to deploy rich Windows applications deliverable from the Cloud have two options. They can use the new Citrix XenApp Express offering in Microsoft Azure, which is being touted as the successor to Azure RemoteApp, or stand up their own Remote Desktop

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Services infrastructure in Azure in order to host apps.
Neither of these alternatives is perfect. Both have significant cons and gotchas to consider. This session will cover the history of RemoteApp in Microsoft Remote Desktop Services, the short history of Azure RemoteApp, the promise of Citrix XenApp Express, and how to best deploy Remote Desktop Services in Azure as an alternative to Citrix XenApp Express. There will also be a live demo showing the automation features of the Azure Resource Manager.

You will learn:
+ The history of Microsoft RemoteApp, starting in Windows Server 2008
+ About the birth, short life, and death of the Azure RemoteApp Service, including the reasons for its demise
+ About Citrix XenApp Express, including deployment models, pricing, scalability, and general pros/cons

■ **W07 - Remote Desktop Services in Windows Server 2016: The Good, the Bad, the Ugly** – *Introductory/ Intermediate*
Andy Milford
Wednesday, August 9, 9:30 – 10:45am

Microsoft continues its rapid iteration of improvements to

Remote Desktop Services core technologies in Server 2016. Windows Server 2012 introduced a radical overhaul to RDS. Windows Server 2016 brings more of the same. There are wonderful enhancements and new features in the new release, but plenty of gotchas as well.

The session will present and demonstrate some of these new features, as well as warn about limitations and other pitfalls still present in RDS in Server 2016. You'll come away with a good understanding of whether or not you can benefit by shifting to RDS running on Windows Server 2016.

You will learn:
+ About MultiPoint Services as a new companion role service for RDS in Server 2016
+ About "Personal Session Desktops," Microsoft's approach to DaaS
+ About Connection Broker improvements in RDS on Server 2016

■ **TH01 - Why Group Policy Isn't Dead, Still Matters, and What's New in Group Policy for Windows 10** – *Intermediate*
Jeremy Moskowitz
Thursday, August 10, 8:00 – 9:15am

This could be a full day sessions, but 13-year Group Policy

MVP recipient Jeremy Moskowitz will try it keep it succinct and on-point. Jeremy will explain Microsoft's most recent management technologies, how they fit in the "Mobile first, cloud first" world, and how Group Policy remains relevant. He'll also cover what's new in Group Policy for Windows 10 and give you pointers on where to get more information. You'll learn a lot about where Microsoft is, where it's going and what you should do about it, especially regarding Microsoft's management options including cloud and on-premises offerings.

You will learn:
+ What Microsoft is and is not doing with Group Policy
+ About where Microsoft does and doesn't have policy in Cloud services
+ What's new in Group Policy for Windows 10

■ **TH06 - Integrating Office Online Server with SharePoint and Exchange** – *Intermediate*
Vlad Catrinescu
Thursday, August 10, 9:30 – 10:45am

Office Online Server (formerly known as Office Web Apps) lets users view and edit Office Documents directly in the browser, without having to download them locally. It also lets them use the Durable Links function in SharePoint Server 2016. And since Excel Services isn't part of

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SharePoint 2016 anymore, Office Online Server is required to use Business Intelligence features in SharePoint Server 2016. On the Exchange side, Office Online Server lets users view Office Documents in the Outlook on the web with high fidelity. When you integrate the three, SharePoint, OOS and Exchange 2016, you can use Modern Attachments On-Premises. This session will cover Office Online Server, best practices on how to install it and how to design an Office Online Server Farm. You'll also learn how to properly integrate it with SharePoint Server 2016 and Exchange Server 2016.

You will learn:
+ What Office Online Server is, and what features it can bring to your business
+ How to Install and Configure Office Online Server
+ How to Integrate Office Online Server with SharePoint & Exchange 2016

IT SOFT SKILLS

Being a successful IT Pro requires more than just technology skills. TechMentor helps boost your career with a selection of "soft skills" presentations from some of the industry's most experienced instructors and motivational speakers.

■ **T05 - Master Camtasia and Build Your Own Training in 75 Minutes or Less** – *Introductory / Intermediate*
Greg Shields
Tuesday, August 8, 1:45 – 3:00pm

There's no better force multiplier like helping your users help yourselves, or even by helping your fellow IT Pros help themselves. Recording tools like Camtasia make video training easy, if you're willing to struggle through some of its initial…idiosyncrasies.

   Greg Shields has been using Camtasia on a near-daily basis for over a decade. He's worked with a wide range of recording equipment from inexpensive to very expensive. He's even built a professional-grade recording studio in his home office to capture the best possible experience in his video training. Join him in this 75-minute presentation on presentations where you'll get the inside scoop on how best to build your own training program in your company

– in seventy-five minutes or less! You'll explore the hardware and the Camtasia software that'll have you recording professional-level training for your company in no time.

You will learn:
+ Explore the recording hardware to buy, as well as the hardware to avoid
+ Dig deeply into TechSmith Camtasia as a platform for recording internal training videos
+ Learn the secret tips for video editing that greatly speed the production process

■ **W09 - Get Trained, Get Experience, Get Certified: Learn How MS Learning Can Help on Your Career Journey** – *Introductory/ Intermediate*
Liberty Munson
Wednesday, August 9, 1:30 – 2:45pm

Join Liberty Munson, Microsoft Learning Experiences Senior Psychometrician, and Larry Kaye, Certification Business Strategy Manager, as they share the latest developments in Microsoft Learning's Certification and Professional Programs. They'll describe how Microsoft is revolutionizing the world of certification and training to better meet your needs and help you increase the skills

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you'll need to be successful in your career. This session will cover the Microsoft Professional Program (MPP) and how it aligns to Microsoft's Certification Program (MCP), MOOC, and other online course offerings, changes in the certification program to help you stay current in rapidly changing technologies (such as Azure and Office 365) and other late-breaking changes and initiatives that affect your learning and certification experience with Microsoft. You'll be able to ask questions of the two people at Microsoft most closely aligned to decisions affecting certification.

You will learn:
+ How the Microsoft Professional and Certification Programs work together to provide learners with ways to gain and validate skills in Microsoft technologies and more general IT domains.
+ About the strategic changes that Microsoft is making to better align certification and training to meet your needs
+ About upcoming programmatic changes and how they will change the way you think about certification and skills validation

■ **W11 - From Helpdesk to the Big Desk: How to Prepare for IT Management** – *Introductory*
Matthew B. Parks, Sr.
Wednesday, August 9, 1:30 – 2:45pm

The IT business is a unique beast. Unlike most career paths, few change as fast or are as heavily depended upon as IT is in the modern business world. Lots of IT pros want to make the move into leadership, but few know how. You can make a great living in IT, but moving from the server room to the board room takes some planning and some guts. This session will explore the strategies you can use to move from a seat at the bench to a seat at the table. IT at its core is a service industry, so transitioning from serving up technology to strategic decision-making isn't always easy.

You will learn:
+ How to recognize mentors and opportunities
+ How to translate IT to Business
+ Your place in your organization

■ **W13 - How to Build a Conference-Winning Technical Presentation** – *Introductory*
Sami Laiho
Wednesday, August 9, 3:00 - 4:15pm

What takes a session to top 100 at a big conference? Technical skills are great, but to take your session to the top three requires more. I've been an IT instructor for more than 15 years. I've won three major TechEd awards with my sessions. I've been part of more than 10 other conferences and taught public speaking and presentation skills for hundreds of professional speakers around the world. Let me share with you my stories and tips on how

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to create great presentations for technical audiences.

You will learn:
+ How to create great presentations
+ How to take a session to the top three at a conference
+ How to evolve a presentation into an entertaining show

SECURITY

Learn to secure your environment—and how attackers will then try to defeat your best security measures. Learn how to "think like a hacker" so you can prevent hackers from getting anywhere near your organization's valuable electronic assets. We've assembled some of the best in the industry to guide you through sessions on computer forensics, ethical hacking, wireless networking and more.

■ **T04 - Deep Dive: Ethical Hacking: Building a Toolkit, Wireless Hacking, Network Penetration, Snooping, and Denial of Service** – *Advanced*
Mike Danseglio & Avril Salter
Tuesday, August 8, 9:45am – 12:45pm

Ethical Hacking is the best way to find vulnerabilities the way real hackers do: by using their tools and processes. 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. This session will include demonstrations of live hacking, including wireless and Denial of Service (DOS) attacks. We'll also demonstrate a number of hardware and software hacking tools to show exactly how we do what we do.

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
+ Decimate servers and network assets with freely available hacker tools
+ Determine which hacking tools to buy vs build vs acquire for free
+ Understand eavesdropping and denial of service attacks on wireless networks

■ **W12 - Understanding Windows 10/2016's Super Security: VSM, Trustlets, The Guards and More** – *Introductory/ Intermediate*
Mark Minasi
Wednesday, August 9, 1:30 – 2:45pm

With Windows 10 and Windows Server 2016, Microsoft has introduced several new security technologies that simplify securing Hyper-V virtual machines and provide significant protection from malware. These are major game-changers for security, but there's one little problem. They're really complicated to understand and set up.

Fortunately, Windows security author Mark Minasi—the guy whose books actually explained what UAC and Windows Integrity Levels (WILs) do—has spent a lot of time with Isolated User Mode, Virtual Security Mode (no, it's not a virtual machine, no matter what anyone tells

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you), Credential Guard, and Device Guard. Mark will explain the underlying tech, what hardware you need to make it work, and how to get it running. You'll learn about the Isolated User Mode, IUM) which creates a basically truly unassailable place to store passwords. You'll see the big difference in the new guards—Device Guard and Credential Guard. You'll know if your computer's hardware is up-to-date enough to use the new tools, and you'll find get a quick summary of the new security tools added by Windows 8/8.1 that you probably heard of but will really like. You could be the first person on your block to get VSM running.

You will learn:
+ What Device Guard, Credential Guard and Shielded VMs try to protect, how they do it, and how to set them up
+ What hardware you need for the various VSM tools
+ How to know if the silly thing's working

■ TH03 - Pen Testing with PowerShell: Cmdlets That'll Pwn Your Network –
Dale Meredith
Thursday, August 10, 8:00 – 9:15am

You know PowerShell is the latest and greatest when it comes to managing your systems, but the real power

comes from understanding how attackers can take this framework to create amazing tools and then using these tools against your infrastructure. From discovering and inventorying all your systems to totally pwning your systems, they can even bypass your "remote execution policies." This session will cover how to implement your own penetration test against yourself using PowerShell so you can start to see the new techniques and tools being using against your networks.

You will learn:
+ How "attackers" are using this built-in framework against you
+ How to use PowerShell to discover systems
+ How to map out domain(s)

■ TH07 - Bypass Every Security Technology with Social Hacking: A Beginner's Toolkit –
Dale Meredith
Thursday, August 10, 9:30 – 10:45am

The weakest link is always the user. Not only your "standard" user, but also IT staff. By better understanding the "art" of social engineering, you'll get a better understanding of the types of attacks and methods attackers are using to gain access to your network or

worse yet, hold your data for a ransom. This session will cover the four primary emotions attackers use to gain users trust, which eventually leads to the attacker gaining access to your resources.

You will learn:
+ Why social engineering works
+ About the various methods that attackers are using to social engineer your users
+ How to protect yourself and teach your users to protect themselves from this attack vector

■ TH11 - Whitelisting: Smacking Down Ransomware with Microsoft AppLocker and 3rd Party Whitelisting Tools – *Intermediate*
Jeremy Moskowitz
Thursday, August 10, 11:00am – 12:15pm

Got Ransomware? Maybe you did yesterday. Maybe you will tomorrow. Come to this session, and maybe you won't. Whitelisting is the only true way to ensure you won't get burned by Ransomware. This session will cover the ins and outs of Microsoft's in-the-box Applocker, along with some third party tools to help you manage whitelisting. By the time you're done, you'll be a

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whitelisting master with no Ransomware.

You will learn:
+ About Microsoft Applocker from the ground up
+ Where Applocker does a great job, and not such a great job
+ About third party tools which can augment or replace Applocker if it's not the right solution for your organization

■ **TH15 - Implementing Multifactor Authentication, the Easy Way** – *Introductory/ Intermediate*
John O'Neill, Sr.
Thursday, August 10, 2:15 – 3:30pm

Passwords just don't cut it anymore if you want robust protection for users and IT assets. Multifactor authentication is a must for security against modern IT threats. Don't worry, using two or more security factors doesn't need to be difficult to implement or use. Windows Hello and Windows Hello for Business provide excellent MFA with implementations as simple as they are robust.

You will learn:
+ About the difference between Windows Hello and Windows Hello for Business

+ About the security trifecta—something you know, something you are, and something you have
+ About False Accept Rate vs. False Reject Rate
+ About Windows Hello Group Policies

SERVER / DATACENTER

Servers, servers, everywhere—and we've got what you need to make managing them easier, more efficient, and maybe even more fun. From the Windows core to Nano excitement, we have some of the biggest names covering the most influential technologies in the industry ready to light up your mind.

■ **T01 - Deep Dive: Breaking Open the Azure AD Connect Tool (BYOL-RA)** – *Intermediate*
Kunal D Mehta
Tuesday, August 8, 9:45am – 12:45pm

Every time we talk about hybrid identity in the Microsoft ecosystem, one of the first things that comes to mind is Azure AD. But more often than not, we don't give enough credit to the Azure AD Connect tool that makes this whole thing possible in the first place. Having a thorough understanding of this tool is crucial to designing an efficient hybrid identity architecture.

This session will dive deep into the AD Connect tool and show you how to install it, deployment recommendations, how it works, filtering, password synchronization and write back, device write back, prevent accidental deletes, implementing ADFS, and monitoring the health of your synchronization using the AD Connect Health. You'll also learn how to upgrade from an existing deprecated tool such as Azure AD Sync or DirSync.

You'll learn how to upgrade from an old unsupported tool to Azure AD Connect, and configure it exactly the way that suits your organization's identity topology. This will be a demo heavy session that you can follow along if you have an Azure subscription and a laptop.

You will learn:
+ About the tool, its deployment, and various configuration options
+ How to use AD FS with AAD Connect tool for identity federation
+ How to monitor your synchronization infrastructure using AD Connect Health

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■ T09 - Considering Microsoft Certification? Guarantee Success in Just One TechMentor Session – *Introductory / Intermediate*
Greg Shields
Tuesday, August 8, 3:30 – 4:45pm

Easily, one of the most difficult parts of starting with IT certification…is knowing where to start. Certifying your knowledge on Microsoft technologies has only gotten more difficult over the years, as Microsoft learns how to ask more-difficult questions and the sheer number of technologies to know goes up. Greg Shields has spent a lifetime getting to know Microsoft certification. In that time, he's taken countless exams, and built hundreds of hours of video training to help countless more. Join him in this 75-minute class to learn the kind-of secret knowledge that'll GUARANTEE* your success with Microsoft certification.
Disclaimer: Guarantee not actually guaranteed. Your mileage may vary, particularly if you choose the wrong multiple choice answer.

You will learn:
+ Explore the broad strokes and deep detail of Microsoft's certification platform, tailored specifically to the needs of the potential test-taker

+ The GUARANTEED* best practices for taking a Microsoft certification exam, along with the question types and tips to read between the lines
+ Discover the important tips for deciphering the meaning in Microsoft's exam guides and objectives

■ T11 - Deploying, Configuring, and Managing Nano Server – *Intermediate / Advanced*
Orin Thomas
Tuesday, August 8, 3:30 – 4:45pm

Nano Server requires that you embrace a new approach to deploying, configuring, and managing servers and their workloads. Nano Server is the new minimal footprint version of Windows Server 2016. It likely represents the future of the Windows Server operating system. You can run Nano Server with a couple of hundred MB of RAM and disk space. While Nano Server supports a limited number of roles, it doesn't support direct interactive logon. In this session, you'll learn about the steps you need to take to prepare a Nano Server image for deployment, how to perform initial setup, how to configure roles and features, and how to perform ongoing maintenance including applying software updates and managing domain membership.

You will learn:
+ How to configure and deploy Nano Server images
+ How to Update Nano Server

■ TH05 - Top Windows Server 2016 and Windows 10 Gotchas – *Intermediate*
Jeremy Moskowitz
Thursday, August 10, 9:30 – 10:45am

You're thinking about deploying Windows Server 2016? Maybe you've already got your toe in the water with Windows 10. Windows Server 2016 and Windows 10 are awesome, but there are several "gotchas" you need to know before you roll out in a big way. This session by 13-year Microsoft MVP Jeremy Moskowitz will cover all the potential pitfalls.

You will learn:
+ About Microsoft's new plans to keep you always up to date (and what to do if you don't like those plans)
+ What happens from version to version as you upgrade (and what can you do about it)
+ About Microsoft's newest Active Directory cloud offerings

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■ TH09 – Dive Into Windows Server 2016 Containers
– Introductory
Mike Pfeiffer
Thursday, August 10, 11:00 – 12:15pm

Containers have taken the industry by storm, but if you're a Microsoft focused IT pro, you might be wondering how they can fit into your environment. This session will cover Windows Server 2016 containers. You'll learn how to deploy, configure, and manage both Windows and Hyper-V containers. You'll learn the basics of Docker and how you can use containers on Windows Server 2016 and Azure to radically improve deployment times. This session will be jam packed with live demos and PowerShell code samples you can start using as soon as you get back to the office.

You will learn:
+ About the basics of containers
+ How to work with Docker to build and run images
+ How to deploy and manage containerized applications

■ TH20 - Implementing Hyper-V Failover Clusters in Windows Server 2016 *– Intermediate*
Bruce Mackenzie-Low
Thursday, August 10, 3:45 – 5:00pm

With Windows Server 2016, Hyper-V Failover Clusters continue to grow in popularity by providing a highly available, fault tolerant virtualization platform for a variety of workloads. This session will provide you with the fundamentals for implementing Hyper-V in both physical host clusters and virtual guest clusters. It will also introduce you to the many new failover cluster features available in Windows Server 2016 and let you know how you can take advantage of them.

You will learn:
+ About Windows Hyper-V Failover Clustering fundamentals
+ Best practices for configuring Hyper-V host and guest clusters
+ About the new features available with Windows Server 2016 Failover Clusters

THE REAL CLOUD

We left our marketing presentations at home, so instead we're stuck with bringing you "the cloud" as you're actually using it: Hybrid, connected, private, and absolutely real.

■ T06 - Understanding Azure Security Center *– Introductory/ Intermediate*
Orin Thomas
Tuesday, August 8, 1:45 – 3:00pm

Just because you've deployed your workloads to the cloud doesn't mean you can stop thinking about security. Azure Security Center helps you detect, prevent, and respond to threats against the workloads you've deployed into Azure. This session will cover how to configure, manage and understand the security monitoring functionality and policy based management available for your Azure subscription. You'll learn how to leverage Azure Security Center to analyze security data from your workloads, how to manage security alerts, how to respond to attacks and prevent future attacks.

You will learn:
+ About the functionality of Azure Security Center

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+ How to configure security monitoring for Azure workloads
+ How to manage Azure security configuration using security center policies

■ T10 - Understand the Difference Between Microsoft Azure and Amazon AWS – *Introductory*
Timothy Warner
Tuesday, August 8, 3:30 – 4:45pm

Your company may finally have arrived at the point of approaching the public cloud. Microsoft Azure and Amazon Web Services (AWS) are the market leaders. Which should you choose? This vendor-agnostic presentation clearly explains how AWS and Azure are alike and how they are different. There will be lots of group discussion so everybody can get their questions answered and benefit from other's experiences.

You will learn:
+ About analogous services between Azure and AWS
+ About the strengths and weaknesses of each cloud platform
+ How to make the best decision as to which vendor suits your business needs

■ W15 - Azure Site Recovery for Easy, Secure, Off-Site Backup – *Introductory/ Intermediate*
John O'Neill, Sr.
Wednesday, August 9, 3:00 - 4:15pm

Data is king in the Information Age. Nothing will ruin your day faster than losing important data because a backup was corrupt, incomplete, or non-existent. You need data recoveries to happen quickly. At the same time, you need to protect backups by storing them off-site. With Microsoft Azure as a backup target, you can rest assured your data is safely stored away from the datacenter, but can still be recovered quickly. The days of shuttling tapes to a safety deposit box or off-site DC are over. This in-depth session covers exactly what it takes to backup in-house data to Microsoft Azure quickly and easily.

You will learn:
+ How Microsoft Azure provides reliable, off-site data storage
+ How to backup physical and both Hyper-V and VMWare virtual servers to Microsoft Azure
+ About the tools for managing Microsoft Azure backups

■ TH04 - Running Windows Server 2016 on Amazon Web Services (AWS) – *Introductory*
Mike Pfeiffer
Thursday, August 10, 8:00 – 9:15am

Thinking about moving your servers to AWS? Are you interested in implementing key enterprise workloads on Windows Server 2016, such as Active Directory, SQL Server, or SharePoint Server, and others? This session will step you through the architectural considerations, implementation steps, and best practices for deploying and administering Windows Server 2016 on AWS cloud. You'll learn how existing AWS customers have successfully

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implemented Windows Server on AWS, and walk away with a better idea of how to migrate your servers to the AWS cloud.

You will learn:
+ About the basics on AWS
+ How to deploy Windows Servers on AWS
+ How to migrate servers to AWS

■ **TH08 - Architecting Highly Available and Resilient Deployments on Microsoft Azure** – *Introductory*
Mike Pfeiffer
Thursday, August 10, 9:30 – 10:45am

If you're looking to run production applications in the cloud, architecting a fault tolerant design is critically important. This session will cover the basics and explore the patterns and practices for designing and implementing highly available and resilient deployments on the Microsoft Azure cloud. You'll learn how to eliminate single points of failure, implement loosely coupled components, and make use of multiple regions to build geographic redundancy into your applications. You'll learn how you can build systems that scale dynamically based

on application demand, and how to use monitoring and alerting to ensure that you're aware of the availability and performance of your applications. After this session, you'll be ready to start moving servers into production on the Azure platform.

You will learn:
+ The basics of cloud architecture
+ How to design highly available applications in the cloud
+ How to deploy apps that scale automatically

■ **TH12 - Using the Cloud to Build an Effective Business Continuity Strategy** – *Introductory*
Matthew B. Parks, Sr.
Thursday, August 10, 11:00am – 12:15pm

Any IT plan has to include a disaster recovery component. But does it also include a Business Continuity plan? In the world that IT has created, technology is the life blood of your business. The ability to recover from a disaster is no longer enough. Your business leaders may be looking to you for the ability keep operating during a disaster and/or recover faster than ever. Realistic examples of cloud services offer the hope of continued data availability.

You will learn:
+ The difference between disaster recovery and business continuity
+ How to build a business continuity plan
+ About cloud services to consider

> **REALLY INFORMATIVE SESSIONS.** Awesome speakers who really know their stuff. No disappointing sessions in the bunch.
>
> – RUSS JACKSON, SIMPSON LUMBER COMPANY

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Sami Laiho
TechMentor Conference Co-Chair
Senior Technical Fellow, Adminize.com

Sami Laiho is one of the world's leading professionals in the Windows OS. Sami has been working with and teaching OS troubleshooting, management and security for 20 years. Sami's session was evaluated as the best session at TechEd Europe and TechEd North America 2014.

Greg Shields
TechMentor Conference Co-Chair
Author Evangelist, PluralSight

Greg Shields is Author Evangelist with PluralSight, and is a globally-recognized expert on systems management, virtualization, and cloud technologies. A multiple-year recipient of the Microsoft MVP, VMware vExpert, and Citrix CTP awards, Greg is a contributing editor for Redmond Magazine and Virtualization Review Magazine, and is a frequent speaker at IT conferences worldwide. Reach him on Twitter at @ConcentratdGreg.

ADVISORY COUNCIL

Lafe Low
Editor, Live! 360 Events

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.

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.

Keith Ward
Editor in Chief, Virtualization Magazine

Keith Ward is editor in chief of Virtualization Review Magazine. He's been a technology journalist for more than a decade. In that time, he's covered all aspects of the industry, from IT administration to virtualization to software development. He was founding editor of Virtualization Review magazine, editor of Redmond magazine and senior editor of Microsoft Certified Professional magazine. He served as editor in chief of MSDN Magazine and Visual Studio Magazine before his current role with Virtualization Review.

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Will Anderson
Owner/Blogger, The Last Word In Nerd

Will Anderson is a fifteen-year infrastructure veteran with a specialization in Patch Management and Compliance and System Center Configuration Manager. Working in environments ranging from 80 users to over 150,000, Will has acquired a knowledge of a broad range of products and service lines ranging from Exchange, Active Directory and GPO, to the operating system platform and a variety of applications.

In recent years, Will has become quite the nerd about PowerShell, and blogs about the latest, new, cool things he finds or creates to make his life as an admin and engineer easier. You can find him on PowerShell.org as a moderator, webmaster, and occasional writer for the PowerShell TechLetter. He is also a co-founder of the Toronto PowerShell Users Group (PowerShellTO), founder of the Metro Detroit PowerShell User Group, and a member of the Association for Windows PowerShell Professionals.

Will is a second-year recipient of the Microsoft MVP award in Cloud and Datacenter Management, and was awarded the moniker of 2015 Honorary Scripting Guy, by Ed Wilson - The Scripting Guy, in January 2016. In October of 2016, he joined the DevOps Collective Board of Directors.

Will also nerds out on Video Games, Cars, Photography, and Board Games. You can find him at various places on the internet including PowerShellTO, PowerShell.org, Twitter, his personal blog - Last Word in Nerd, and occasionally as a guest blogger on "Hey, Scripting Guy."

Vlad Catrinescu
President / Senior Consultant, vNext Solutions

Vlad is a SharePoint and Office 365 Consultant specializing in SharePoint and SharePoint Online deployments as well as hybrid scenarios. As an author, Microsoft Certified Trainer, and recognized international speaker, Vlad has helped thousands of users and IT Pros across the globe to better understand and to get the most out of SharePoint. Vlad is also a Microsoft Most Valuable Professional (MVP) in SharePoint since 2013 and has his own blog at www.absolute-sharepoint.com and he often shares his knowledge by speaking at local conferences and community events. Vlad also blogs at CMSWire as well as Computerworld and is often featured in other Microsoft sites such as Redmond Channel Partner. In Addition, Vlad is the recipient of the "Top 25 Office 365 Influencers" award, showcasing him as one of the most influential Office 365 specialists in 2015 demonstrating his expertise and passion for Microsoft's shift towards the cloud in the past years.

Mike Danseglio
Principal Technologist, Next Direction Technologies

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

Jason Helmick
Author, Pluralsight

Jason is a 25-year IT veteran and author at Pluralsight. 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.

Richard Hicks
Founder and Principal Consultant, Richard M. Hicks Consulting

Richard Hicks (MCP, MCSE, MCTS, and MCITP Enterprise Administrator) is a network and information security

SPEAKERS

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.

Melissa Januszko
Technology Architect, Cerner Corporation

Melissa Januszko is a 20-year veteran Enterprise Architect and automation expert currently at Cerner Corporation. She specializes in Active Directory and private cloud hosting infrastructure. She is a co-author of "The DSC Book" with Don Jones and a highly-anticipated conference speaker. Reach her on Twitter at @majst32.

Dave Kawula
Principal Consultant, TriCon Elite Consulting

With over 18 years' experience in the IT Industry Dave has run 2 other IT Services organizations before starting TriCon Elite Consulting. In April of 2012 he was honored with a special designation from Microsoft called Most Valuable Professional "MVP" in Hyper-V. This special designation sees him being part of an elite group of 75 others in the world. He also holds over 50 Microsoft

Certifications in various technology areas.

Dave has successfully completed over 40 projects with his teams in the past 5 years alone. Many of these projects come as repeat business from the same clients over and over again. Dave is also an upstanding member of the community and believes in "Working Hard, Playing Hard and sharing success with others less fortunate."

Sami Laiho
Senior Technical Fellow, Adminize.com

Sami Laiho is one of the world's leading professionals in the Windows OS. Sami has been working with and teaching OS troubleshooting, management and security for 20 years. Sami's session was evaluated as the best session at TechEd Europe and TechEd North America 2014.

Carl Luberti
Premier Field Engineer, Microsoft

Carl Luberti has been in the IT industry for 20 years, initially as a Unix sysadmin, then a Notes/Domino mail admin, and then starting to work with Windows when coming to Microsoft in 2005. He is currently a Premier Field Engineer, and prior to that he worked in support escalation in Windows performance analysis, application compatibility, debugging, and virtualization and deployment.

Bruce Mackenzie-Low
Systems Software Engineer, Hewlett-Packard Company

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.

Aaron Margosis
Principal Consultant, Global Cybersecurity Practice, Microsoft

Aaron Margosis is a Principal Consultant with Microsoft's Global Cybersecurity Practice, where he has worked with security-conscious customers since 1999. Aaron specializes in Windows security, least-privilege, application compatibility, and the configuration of locked-down environments. He is a top speaker at Microsoft conferences, and created many of the tools commonly used by organizations implementing high-security environments, including LUA Buglight, Policy Analyzer, IE Zone Analyzer, LGPO.exe (Local Group Policy Object utility), and MakeMeAdmin, which can be

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downloaded through his blog (https://blogs.msdn. microsoft.com/aaron_margosis) or through two team blogs for which he is a primary author (https://blogs. technet.microsoft.com/fdcc and https://blogs.technet. microsoft.com/SecGuide).

Kunal D Mehta
Author, Pluralsight

Kunal D Mehta is a Microsoft and VMware certified IT Pro specializing in Microsoft based Core Infrastructure solutions.

He has trained over half a dozen SI partner companies in India on Server 2012 and Private Cloud solutions covering over two thousand people through in-person events and several other thousands through his Pluralsight courses. He has a Dell PowerEdge R420 rack server at home where he practices all his IT stuff. Also loves geeky computer jokes!

When he is not doing his geeky thing, he likes to hang out with friends to play a game of snooker or bowling. He also loves watching all types of movies, going out on long drives on the highway, listening to soothing music, and playing pranks on people.

Dale Meredith
Owner, My Mentored Learning, Inc.

Like the Dark Knight, Dale Meredith swoops in and saves the day when no one else can. Dale's expertise is in explaining difficult concepts and ensuring his students have an actionable knowledge on the course material.

Straddling the line of fun and function, Dale's instruction is memorable and entertaining. Along with his 17+ years of experience as a Microsoft Certified Trainer, Dale also has an additional 7 years of Senior IT Management experience. Dale's priority to maintain personal knowledge and understanding of current trends in training, technology, and applications has led to many opportunities such as: training various divisions at the Department of Homeland Security during their Novell to Microsoft transition and implementing and managing networks using Microsoft's Server Platform, Exchange, SharePoint, SCCM and others for many fortune 500 companies. Also, specializing in Active Directory, Exchange, Server, IIS, PowerShell, SharePoint, System Center/Desktop Deployment, and Private Cloud. Dale, also became a Certified Ethical Hacker and Certified EC-Council Instructor back in 2006.

Out of the classroom, Dale is a monolith in the IT and Tech sphere as well as a consultant for several companies, and shares his knowledge on his popular site dalemeredith.com.

Andy Milford
CEO, RDPSoft

Andy Milford is a veteran software entrepreneur in the Windows networking and security space. Prior to founding RDPSoft, Andy was the CEO and founder of a Windows event log management company, Dorian Software Creations, Inc., which was acquired by Ipswitch Software in 2009. While at Ipswitch, Andy served as Vice President of Business Intelligence Products and was responsible for expansion of the log management and similar product lines. Andy left Ipswitch in 2012 and founded RDPSoft to begin development on Remote Desktop Reporter, a comprehensive metric tracking and reporting solution for server based computing platforms like Microsoft RDS, Citrix, and VMWare Horizon View. Similar to his approach at Dorian Software, Andy believes that the SBC market can be improved by creating easy-to-use and affordable tools for small and medium sized businesses.

Mark Minasi
IT Consultant, Author, Speaker, MR&D

As the author of 43 technical books written in the last 25 years on networks, the software industry, GUI design, PC repair and the Wing Commander game series, Mark Minasi is the author you are most likely to have read without noticing it. Besides his million-selling books and nearly a thousand columns, Mark is a popular teacher and keynote speaker, as his perhaps greatest achievement was his realization 32 years ago that this business doesn't have to be dull, and that the key to getting people to stay awake in tech talks is to just "not suppress the funny." Most of all, Mark never forgets that he's working for you,

SPEAKERS

the overworked folks challenged to keep all this stuff functioning and to keep looking to make it all even better, not for the big vendors.

Jeremy Moskowitz
Founder, GPanswers.com / PolicyPak Software

Jeremy Moskowitz, Group Policy MVP is founder of GPanswers.com and PolicyPak Software. Since becoming one of the world's first MCSEs, he has performed Active Directory, and Group Policy planning and implementations for some of the nation's largest organizations.

His latest (upcoming) book is "Group Policy Fundamentals, Security, and Troubleshooting, third edition" which will have new content for Windows 10.

Learn more about the book and Jeremy's Group Policy Master Class training www.GPanswers.com. GPanswers.com was ranked as one of "The 20 most useful Microsoft sites for IT professionals" by ComputerWorld magazine.

Learn more about how to secure application settings, report on Group Policy Compliance and deploy all Group Policy settings thru the cloud at www.policypak.com.

Liberty Munson, PhD
Principal Psychometrician and Quality Lead, LeX Validation, Microsoft Learning Experiences

Liberty Munson, PhD, is the Principal Psychometrician and Product Quality Lead for Microsoft's technical certification program in their Learning Experiences organization. She is responsible for ensuring that psychometric standards are rigorously applied during all phases of the certification exam lifecycle and that the design and implementation of Microsoft's Certification program results in valid and reliable assessments of candidate skills. She works closely with her team to design, develop, and evaluate innovative item types, design new delivery and development methodologies, implement strategic processes to proactively address piracy issues, and ensure the quality of the exam content from a psychometric and candidate perspective. She is actively involved in setting the cut scores on all Microsoft Certification exams. Prior to joining Microsoft, she worked at Boeing where she developed a wide variety of selection tests, including multiple-choice exams, team-based exercises, problem solving activities, and structured interviews; she also assisted with the development and analysis of Boeing's internal certification exams and acted as a co-project manager overseeing development, administration, and analysis of Boeing's Employee Survey. She received her BS in Psychology from Iowa State University and her MA and PhD in Industrial/Organizational Psychology with minors in Quantitative Psychology and Human Resource Management from the University of Illinois at Urbana-Champaign.

Michael Niehaus
Director of Product Marketing, Windows Commercial Team, Microsoft

Michael Niehaus is a Director of Product Marketing at Microsoft, responsible for helping enterprise IT pros with Windows deployment and manageability needs. Prior to joining the Windows Commercial team, Michael was a longtime program manager and developer for the Microsoft Deployment Toolkit, having joined Microsoft in 2004 after spending 14 years working in enterprise IT.

Anthony Nocentino
Enterprise Architect and Data Platform MVP Centino Systems

Meet Anthony Nocentino, Enterprise Architect, Founder and President of Centino Systems, Pluralsight Author, Microsoft Data Platform MVP, Corporate Problem Solver and a voracious student of the latest computer science technology. Anthony is only satisfied when he finds the right technology resolution for his client's business need. Business today thrives on data – from the C-Suite to the information worker. Anthony specializes in all things related to data – database systems, virtualization, system and network design and performance engineering. He designs solutions, deploys the technology and provides expertise on business system performance, architecture and security.

SPEAKERS

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 is a contributing editor for the Petri.co.il online community. In addition, he has authored material for both Thomson-Reuters' Aspatore Books and Exec Blueprints publications. He also develops exciting technology training courses for the leader in IT training, Pluralsight.

John often speaks at IT events around the nation. Recently he has been a featured presenter on innovative technology solutions for the enterprise at conferences such as TechMentor, Cloud and Virtualization Live! 360, the NEOSA CIO Summit, and the NorthEast Ohio Technology Summit. When he's not presenting at a conference, John can often be found leading informative webinars.

John is proud to be honored as a multi-year Microsoft MVP and for receiving NEOSA's CIO of the Year Award.

Matthew B. Parks, Sr.
Director of Information Technology, PACE Center for Girls

Matthew is an IT Professional, Consultant, Blogger, IT Instructor and Presenter. An IT professional since 1995, he has many industry recognized certifications. He works as the Director of Information Technology for PACE Center for Girls, Inc., a nationally recognized state-wide prevention program for adolescent at-risk girls. He oversees PACE's Information Technology for 20 PACE location across Florida and growing. Matthew advises the Executive Leadership Team, local PACE Executive Directors, and PACE staff members and provides cutting edge, safe, and reliable technology services to support our mission - Believing the Empowerment Girls. Matthew has supported varies client software, Operating Systems and hardware for a multitude for clients, ranging from individual customers to small businesses to enterprises. Since coming to PACE, Matthew managed the technology migration of 18 independent phone and information networks into a single unified VoIP/MPLS networking, increasing WAN speeds 10-fold. He led PACE's migration of all data-center, remote servers and all users to modern computer hardware, while migrating to Windows 8, Office 2010 and Server 2012, and building a modern IT department, all in an 8-month period. An in-demand, energetic Technology presenter and has given presentations for conferences such as Tech Mentor Las Vegas 2011 and Tech Mentor Orlando 2013. Matthew can

also be found blogging, Straight up Geeksta and via @MatthewBParksSr. Whether Hardware, Software, Networking, Audio/Visual, Home Theater or Telephony, he is both dedicated and evangelistic about his craft in addition to being enthusiastic about sharing his knowledge. In fact, a signature of Matthew's presentations is his ability to simplify or "Caveman" some of the more complex subjects in IT using simile to the familiar, the everyday and the applicable. Matthew currently resides in Jacksonville, Florida.

Mike Pfeiffer
Independent Consultant and Author

Mike Pfeiffer is an accomplished IT architect, consultant, and conference speaker, with over fifteen years of experience in the tech industry. He's published books, blogs, white papers, and training courses on a variety of topics related to infrastructure architecture, deployment automation, configuration management, and more. You can find him on twitter as @mike_pfeiffer.

Steven Rachui
Principal Premier Field Engineer, Microsoft

Steven has supported System Center products at Microsoft for 17 years and currently works in the premier field engineering group. He hosts a popular System Center blog, has served as an author and technical editor for several System Center books and has been an

SPEAKERS

active participant and speaker at professional conferences and community events for the past several years. He has also traveled extensively within the US and Internationally helping customers learn and better make use of System Center technology.

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
TechMentor Conference Co-Chair
Author Evangelist, PluralSight

Greg Shields is Author Evangelist with PluralSight, and is a

globally-recognized expert on systems management, virtualization, and cloud technologies. A multiple-year recipient of the Microsoft MVP, VMware vExpert, and Citrix CTP awards, Greg is a contributing editor for Redmond Magazine and Virtualization Review Magazine, and is a frequent speaker at IT conferences worldwide. Reach him on Twitter at @ConcentratdGreg.

Orin Thomas
Author / Server Administrator, Pluralsight

Orin Thomas is an MVP, a Microsoft Regional Director, an MCT, and has a string of Microsoft MCSE and MCITP certifications. He has written more than 30 books for Microsoft Press on topics including Windows Server, Windows Client, Azure, System Center, Exchange Server, Security, and SQL Server. He is an author at PluralSight and is a contributing editor at Windows IT Pro. He has been working in IT since the early 1990's and regularly speaks at conferences in Australia and around the world. Orin founded and runs the Melbourne System Center, Security, and Infrastructure Group and is a candidate in the Doctor in Information Technology program at Charles Sturt University. You can follow him on twitter at http://twitter.com/orinthomas

Timothy Warner
Author/Evangelist, Pluralsight

Timothy Warner is an IT professional and technical trainer based in Nashville, TN. A computer enthusiast who authored his first BASIC program in 1981 on the Radio Shack TRS-80 Model III, Tim has worked in nearly every facet of IT, from systems administration and software architecture to technical writing and training.

Michael Wiley
Premier Field Engineer, Microsoft

Michael Wiley is a PFE with Microsoft who specializes in Powershell, DSC, Windows troubleshooting, and Azure. He is heavily involved in the Developer and IT Pro community and was the Founder and President of the Little Rock .NET User Group for three years. Prior to working with Microsoft, Michael was a Microsoft MVP (VB.Net) and a software engineer for a variety of companies. Additionally, he was a cofounder of the Little Rock Tech Expo events, and a former INETA Board Member. He is a regular technical presenter and contributor to both IT Pro and Developer local/regional events. In his spare time Michael enjoys hiking, scuba diving, and creating haunted houses.

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– GREG ALTMAN, SWIFF-TRAIN

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>
> – RANDY PRESNELL, RICHLAND SCHOOL DISTRICT

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