

IT Training That's Worth The Travel



TECHMENTOR

IN-DEPTH TRAINING FOR IT PROS

ROYAL PACIFIC RESORT AT UNIVERSAL

November 16-20

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#techmentor



Take the Tour

5 Great Conferences
1 Great Price

TECHMENTOR
IN-DEPTH TRAINING FOR IT PROS

Visual Studio **LIVE!**
EXPERT SOLUTIONS FOR .NET DEVELOPERS

SQL Server **LIVE!**
TRAINING FOR DBAs AND IT PROS

SharePoint **LIVE!**
TRAINING FOR COLLABORATION

Modern Apps **LIVE!**
MOBILE, CROSS-DEVICE & CLOUD DEVELOPMENT



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TECHMENTOR CONFERENCE CO-CHAIRS



Don Jones

*TechMentor Conference Co-Chair
Curriculum Director, Pluralsight*



Greg Shields

*TechMentor Conference Co-Chair
Author Evangelist, Pluralsight*

TECHMENTOR: A PART OF LIVE! 360



LIVE! 360 IS A UNIQUE CONFERENCE WHERE THE IT AND DEVELOPER COMMUNITY CONVERGE TO TEST-DRIVE LEADING EDGE TECHNOLOGIES AND FUEL UP ON CURRENT ONES.

These five co-located events incorporate knowledge transfer and networking, along with finely tuned education and training, as you create your own custom conference, mixing and matching sessions and workshops to best suit your needs. Whether you are a developer who uses Visual Studio, SQL Server, and SharePoint; or an IT Pro looking for ways to modernize your datacenter or assistance with your SharePoint administrative duties; or a DBA focused on building and supporting successful applications using SQL Server, the agendas are crafted for (almost) every IT title.

ATTENDEES OF ANY OF THE LIVE! EVENTS WILL HAVE UNLIMITED ACCESS TO ALL FIVE. MIX-AND-MATCH SESSIONS TO CREATE A CUSTOM CONFERENCE!

TECHMENTOR

IN-DEPTH TRAINING FOR IT PROS

This is **IT TRAINING THAT'S WORTH THE TRAVEL**, focused entirely on making your datacenter more modern, more capable, and more manageable.

Visual Studio **LIVE!**

EXPERT SOLUTIONS FOR .NET DEVELOPERS

CODE IN THE SUN and experience unbiased and practical development training on the Microsoft Platform.

SQL Server **LIVE!**

TRAINING FOR DBAs AND IT PROS

SQL Server Live! will leave you with the skills needed to **DRIVE DATA FORWARD**, whether you are a DBA, developer, IT Pro, or Analyst.

SharePoint **LIVE!**

TRAINING FOR COLLABORATION

CHART THE BEST COLLABORATION COURSE with SharePoint Live!, providing leading-edge SharePoint knowledge and training

ModernApps **LIVE!**

MOBILE, CROSS-DEVICE & CLOUD DEVELOPMENT

Presented in partnership with Magenic, this unique conference **LEADS THE WAY TO LEARNING** how to architect, design and build a complete Modern App.

Top

REASONS TO ATTEND

Live! 360 Orlando

1

THE ULTIMATE EDUCATION DESTINATION.

Located at the beautiful (and attendee favorite) Royal Pacific Resort at Universal Orlando, the setting and time of year are perfect for bringing the family along to enjoy all that Orlando has to offer.

2

SO MANY OPTIONS; SO LITTLE TIME.

These forward-thinking and educational events are geared toward both the IT and Developer community. Whether you are a developer who uses Visual Studio and SQL Server, or an IT Pro who is looking to improve your technical skills or just getting into your SharePoint administrative duties, or a DBA looking to maintain, tune and consolidate, the agendas are crafted for (almost) every IT title.

3

5 GREAT CONFERENCES; 1 GREAT PRICE!

Attend any one of the Live! 360 events and you'll have unlimited access to all five—and it's all included in one low price!



4

CREATE YOUR OWN AGENDA.

Mix and match sessions and workshops from any of the five events to best serve your needs. Because of the convenient co-location, there will be even more opportunities to access 75+ speakers, 900+ fellow attendees, and a robust exhibit floor—all enhancing your event experience.

5

GET TO KNOW YOUR NEIGHBOR.

Incorporating knowledge transfer, networking and leading-edge training into five intense days, these conferences will get you up-to-date on current technologies with a look to the future, while connecting you with your peers from around the world.

6

PERSPECTIVE FROM EVERY ANGLE.

We feature both unbiased industry experts and Microsoft insiders, so you'll hear every side of the story on the most recent software and industry updates.





A MESSAGE FROM THE CO-CHAIRS

Don Jones & Greg Shields

Join us in Sunny Orlando, Florida for TechMentor 2015, one of five co-located events at this year's Live! 360. In this special TechMentor, we're focused on making your server and management infrastructure more modern, more capable, and more manageable. We'll also be preparing you for the latest client innovations, including mobile. We're also placing a big focus on DevOps, since it's become pretty clear that's where the future lies for us IT operations people.

Now, we never ask you to upgrade all of your machines to the latest versions of Microsoft's products—we've included plenty of modernization tips for the solutions and operating systems you have right now, as well as helping you prepare – and make a case for—the next generation of Microsoft technologies.

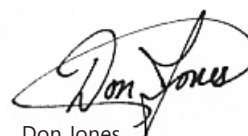
Whether your datacenter has a dozen servers or several thousand; whether they're centralized or distributed globally; whether they're physical or virtual; whether they're on-premises or deployed in the cloud; TechMentor offers the cutting-edge education designed to help you get the most from your current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

Once again this year, TechMentor Orlando 2015 is part of Live! 360, which means you'll have access to four other conferences at no additional charge, including expanded IT Pro and DBA content from SQL Server Live! and SharePoint Live! With over 180 sessions, and 29 tracks to choose from, Live! 360 offers TechMentor attendees an incredible value. Our first co-located

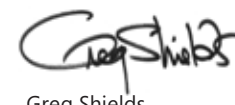
TechMentor, in 2014, was a big success—the event was still intimate enough to ensure attendees got that one-on-one access to speakers and experts that we're known for, but big enough to really put on some fun events, connect with a lot of colleagues, and really hear how other people are solving the same challenges you face.

Join us at the beautiful Loews Royal Pacific Resort, just a few steps away from Universal Studios Orlando, for a healthy mix of all-day workshops and 75-minute breakout sessions. We've rounded up some of our industry's best and most experienced presenters that we guarantee you won't want to miss.

We'll see you in Orlando!



Don Jones
Curriculum Director for IT
Pro Content, *Pluralsight*
TechMentor Conference Co-Chair



Greg Shields
Author Evangelist, *Pluralsight*
TechMentor Conference Co-Chair

The Fun Stuff:

LIVE! 360 ORLANDO EVENTS & ACTIVITIES

YOUR ATTENDANCE AT LIVE! 360

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!

DINE-A-ROUND DINNER

Sunday, November 15

6:00pm – 9:00pm

Universal CityWalk

Join other conference attendees and speakers for a casual, no-host dinner and make a few new friends while enjoying the fun and delicious themed restaurants at Universal CityWalk. 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.

EXPO PREVIEW

Monday, November 16

5:00pm – 6:00pm

Expo Hall

Join us on Monday evening for drinks, snacks and to get a "sneak peek" at the Live! 360 exhibitors before the Live! 360 Keynote at 6:00pm. This is a great opportunity to meet and network with your fellow attendees early in the week and to learn about the innovations and latest technologies available from our exhibitors.

EXHIBITOR WELCOME RECEPTION

Tuesday, November 17

5:30pm – 7:30pm

Expo Hall

Enjoy drinks and snacks while you explore the Live 360 exhibits and network with fellow attendees and speakers. This is your chance to check out the latest offerings from our exhibitors to help you in daily life when you return to the office.

BIRDS-OF-A-FEATHER LUNCH

Wednesday, November 18

12:15pm – 1:45pm

Plumb the knowledge and experience of your colleagues, conference speakers, and exhibitors by participating in one of the Birds-of-a-Feather table discussions. These tables are designated with a sign and seating is on a first-come basis. There will be a wide variety of topics covering all Live! 360 events.

We will also have designated speaker tables—noted with the speakers name. Join your favorite speaker for a lunchtime discussion or just to ask questions or clarify anything from their sessions. All seating is on a first come basis. Enjoy!

LIVE! 360 DESSERT LUAU

Wednesday, November 18

8:00pm – 10:00pm

Sponsored by:



Come celebrate the South Pacific with delectable desserts, drinks, and fabulous entertainment courtesy of Live! 360 and Amazon Web Services! Mingle with fellow attendees and speakers while enjoying the warm Florida winter weather. Settle down under the stars to enjoy a delicious dessert buffet, complete with cocktails, and an authentic Polynesian performance including dancers and fire throwers.



Live! 360 Keynotes

Get the lowdown on current Microsoft strategy—and learn to “keep up” with where the company is going. Strengthen your career and sharpen your mind with awesome “insider” keynotes and general addresses.

Monday, November 16
6:00pm - 7:00pm

KEYNOTE: Microsoft 3.0: New Strategy, New Relevance



Mary Jo Foley,
Journalist and Author



Andrew Brust
*Senior Director,
Datameer*

The past year-plus was one of huge changes for Microsoft—perhaps the most tumultuous in its history.

Microsoft has moved from a devices and services company to a productivity and platforms one. Following on the heels of its “One Microsoft” reorg, the company has largely made good on its “One Windows” promise. It has refocused on its software/services core. And it has become a true cross-platform vendor and open-source participant.

All these moves have created some new challenges and questions for the company, not the least of which is how it will move to new business models to support its new charter and structure.

These changes don’t just impact Microsoft employees. They affect every single developer and IT Pro using Microsoft technologies in ways that are just as profound as the changes themselves. But how can you track these changes and make intelligent decisions about your skills and career choices, especially at a technical conference?

Easy! Come to our Visual Studio Live! New York keynote, with ZDNet’s “All About Microsoft” blogger Mary Jo Foley. Mary Jo will be interviewed by Visual Studio Live! Co-Chair and Visual Studio Magazine columnist Andrew Brust, who will ask Foley about Microsoft’s future product roadmaps, leadership outcomes, big technology bets and more.

Gaining context from this discussion will enhance your Visual Studio Live! experience, and audience questions will be welcome. So come with your best Microsoft-centric questions, quibbles and insights, and get ready to supplement your developer skills with some serious industry analysis.

Wednesday, November 18
8:00am - 9:00am

KEYNOTE: DevOps—What it Means to You and How to Get There

Sponsored by

PLURALSIGHT



Don Jones,
*MVP
Curriculum Director
for IT Pro Content,
Pluralsight*



Brian Randell
*Partner,
MCW Technologies*



Seems like everyone’s talking about DevOps these days. But is it just another marketing term? A way to sell tools? An extension of Agile development? Well... yes, it’s all of those things, but also none of them. Join Live 360! Presenters Brian Randell and Don Jones for a unique look at the IT management philosophy that’s uniting Development and Operations, and changing the way we think about application quality, delivery, and lifecycle. Learn what DevOps actually means, and what you and your organization will need to change if you’re going to embrace the approach. Learn about the advantages, the potential pitfalls, and the definite stress points that are all wrapped up in the DevOps world.

Conference Keynotes

Tuesday, November 17 • 8:00am – 9:00am

TECHMENTOR
IN-DEPTH TRAINING FOR IT PROS

KEYNOTE: How To Get Your Company Moving Forward in Technology



Jason Helmick
*Author,
Pluralsight*



Greg Shields
*MVP, vExpert
Author Evangelist,
Pluralsight*

Feeling ignored at your company - screaming and shouting about impending technology advances that could help your business perform better? Many IT Ops professionals lack the "language" of the business, to get those stakeholders to pay attention and realize that if they don't spend money now, it costs more trying to catch up in the future. Join industry experts Greg Shields and Jason Helmick for a conversation about how to have a conversation and get your company to move forward. You will have a chance to participate and ask questions in this interactive forum as Greg and Jason share key points in talking with your business stakeholders and sharing their own experiences in the field.

Visual Studio **LIVE!**
EXPERT SOLUTIONS FOR .NET DEVELOPERS

ModernApps **LIVE!**
MOBILE, CROSS-DEVICE & CLOUD DEVELOPMENT

KEYNOTE: The Future of Application Development—Visual Studio 2015 and .NET 2015



Jay Schmelzer
*Director of Program Management,
Visual Studio Team,
Microsoft*

The next release of Visual Studio and .NET include a rich set of new capabilities for desktop, device, web and cloud app developers. See how this release will increase your productivity building the apps you work on today and the new opportunities available to you in the future.

SQL Server **LIVE!**
TRAINING FOR DBAS AND IT PROS

KEYNOTE: Microsoft's Data Platform Landscape



Scott Klein
*Senior Technical Evangelist
Microsoft*

This keynote session will look at Microsoft's data platform landscape, discussing everything you want to know about the exciting next generation SQL Server to the big data and IoT technologies in the cloud. We'll begin by taking a deep-dive into the evolution and

mission-critical investments of SQL Server, investments in Transaction Processing and Data Warehouse to Enterprise Business Intelligence and Hybrid Cloud Scenarios. We'll then take a look how Microsoft thinks about the data platform in cloud for solving some of the challenges presented by today's era of big data.

SharePoint **LIVE!**
TRAINING FOR COLLABORATION

KEYNOTE: Conference Welcome & State of SharePoint & Office 365



Andrew Connell
*MVP
Independent Contractor, Instructor, Author,
Andrew Connell Inc.*



Matthew McDermott
*Founder and Director,
Aptillon, Inc.*

It's a big year for Microsoft, Office 365 & SharePoint! We are going to see the next on-premises version of SharePoint start to make it's way into customers hands. This new version, SharePoint 2016, has been heavily influenced by Microsoft's experience in hosting it in Office 365. In this keynote you'll see conference chairs Andrew & Matt not only give you an overview of the sessions that you'll find at the conference, but also get an update on where we are today. This includes SharePoint for those who are & will stay on-premises as well as those in Office 365 and beyond. Think of it as a State of the SharePoint / Office 365!

AGENDA AT-A-GLANCE

System Center and Config Management	Soft Skills for IT Pros	Security	Windows OS	Cloud & Mobile	Windows PowerShell
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START TIME	END TIME	TechMentor Pre-Conference: Sunday, November 15, 2015
4:00 PM	9:00 PM	Pre-Conference Registration • Royal Pacific Resort Conference Center
6:00 PM	9:00 PM	Dine-A-Round Dinner @ Universal CityWalk


START TIME	END TIME	TechMentor Pre-Conference Workshops: Monday, November 16, 2015
8:00 AM	5:00 PM	<div>TMM01 - Workshop: Windows PowerShell Scripting and Toolmaking - Jeffery Hicks</div> <div>TMM02 - Workshop: Service Management Automation for the Uninitiated - Jason Helmick</div>
5:00 PM	6:00 PM	EXPO Preview
6:00 PM	7:00 PM	LIVE! 360 KEYNOTE: Microsoft 3.0: New Strategy, New Relevance - Mary Jo Foley, Journalist and Author; with Andrew Brust, Senior Director, Datameer

START TIME	END TIME	TechMentor Day 1: Tuesday, November 17, 2015
8:00 AM	9:00 AM	TECHMENTOR KEYNOTE: How To Get Your Company Moving Forward In Technology Jason Helmick, Author, Pluralsight; Greg Shields, MVP, vExpert, Author Evangelist, Pluralsight
9:00 AM	9:30 AM	Networking Break • Visit the EXPO
9:30 AM	10:45 AM	<div>TMT01 - Your Approach to BYOD Sucks! - Simon May</div> <div>TMT02 - Deploying Windows Apps in the Cloud with RemoteApp - John O'Neill, Sr.</div> <div>TMT03 - Secure Access from Everywhere! Implementing DirectAccess in Win2012R2 - Richard Hicks</div>
11:00 AM	12:15 PM	<div>TMT04 - Digging Deep into Microsoft InTune Patching and Mobile Management Solutions (BYOL - RA) - Mike Nelson</div> <div>TMT05 - Integrating Active Directory with Azure, Step by Step - John O'Neill, Sr.</div> <div>TMT06 - Using Sysinternals to Fight Malware - Michael Wiley</div>
12:15 PM	2:00 PM	Lunch • Visit the EXPO
2:00 PM	3:15 PM	<div>TMT07 - PowerShell Remoting Best Practices - Jeffery Hicks</div> <div>TMT08 - Why Your Company Needs a Cloud-Based Identity - Simon May</div> <div>TMT09 - Windows 10—The Important New Features - Sami Laiho</div>
3:15 PM	4:15 PM	Networking Break • Visit the EXPO
4:15 PM	5:30 PM	<div>TMT10 - Mastering Regular Expressions in PowerShell - Jeffery Hicks</div> <div>TMT11 - Rocking Your Cloud with Docker! (BYOL / RA) - Mike Nelson</div> <div>TMT12 - Windows Server 2016: Here's What We Know - Don Jones</div>
5:30 PM	7:30 PM	Exhibitor Reception

Sessions and speakers subject to change.

Continued next page

AGENDA AT-A-GLANCE (continued)

System Center and Config Management		Soft Skills for IT Pros		Security		Windows OS		Cloud & Mobile		Windows PowerShell	
START TIME		END TIME		TechMentor Day 2: Wednesday, November 18, 2015							
8:00 AM		9:00 AM		LIVE! 360 KEYNOTE: DevOps—What it Means to You and How to Get There - Don Jones, Curriculum Director, Pluralsight; Brian Randell, Partner, MCW Technologies <i>Sponsored by</i> PLURALSIGHT							
9:15 AM		10:30 AM		TMW01 - Ethical Hacking: Methodologies and Fundamentals - Mike Danseglio & Avril Salter			TMW02 - Using Azure Site Recovery for Easy, Secure Off-Site Backup - John O'Neill, Sr.			TMW03 - Absolute Beginner's Guide to Advanced Hyper-V Networking - Greg Shields	
10:30 AM		11:00 AM		Networking Break • Visit the EXPO							
11:00 AM		12:15 PM		TMW04 - Ethical Hacking: Recon, Data Gathering, and Target Selection - Mike Danseglio & Avril Salter			TMW05 - Real Time Monitoring of User Experience in VDI - Jeff Stokes			TMW06 - Sysinternals—The Latest and Greatest Updates! - Michael Wiley	
12:15 PM		1:45 PM		Birds-of-a-Feather Lunch • Visit the EXPO							
1:45 PM		3:00 PM		TMW07 - Ethical Hacking: Destroying and Compromising Wireless Networks - Mike Danseglio & Avril Salter			TMW08 - Top Seven Tasks Required to Successfully Administer Office 365 - Justin Harris			TMW09 - Windows Internals Black Belt: Become a Troubleshooting Ninja - Sami Laiho	
3:00 PM		4:00 PM		Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.							
4:00 PM		5:15 PM		TMW10 - Ethical Hacking: Denial of Service and Social Engineering - Mike Danseglio & Avril Salter			TMW11 - Migrating to Office 365: Strategies - J. Peter Bruzzese			TMW12 - DISCUSSION; Career Strategies for the IT Pro - Greg Shields	
8:00 PM		10:00 PM		Live! 360 Dessert Luau <i>Sponsored by</i>  <small>The AWS Cloud supports Microsoft Windows Server</small>							

Sessions and speakers subject to change.

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AGENDA AT-A-GLANCE (continued)

System Center and Config Management	Soft Skills for IT Pros	Security	Windows OS	Cloud & Mobile	Windows PowerShell
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TechMentor Day 3: Thursday, November 19, 2015					
8:00 AM	9:15 AM	TMH01 - Advanced PowerShell Traps and Gotchas - Don Jones	TMH02 - VDI Image Optimization and Troubleshooting - Jeff Stokes	TMH03 - Windows Internals Black Belt: Memory Management - Sami Laiho	
9:30 AM	10:45 AM	TMH04 - DSC Design and Planning - Don Jones	TMH05 - Securing Devices with InTune: Deep Dive - Justin Harris & Lawrence Novak	TMH06 - Building Better Hyper-V Guest Clusters - Bruce Mackenzie-Low	
11:00 AM	12:15 PM	TMH07 - Building a Secure DSC Pull Server - Jason Helmick	TMH08 - Managing and Securing Devices with Microsoft EMS - Justin Harris & Lawrence Novak	TMH09 - Windows Internals Black Belt: Security - Sami Laiho	
12:15 PM	1:30 PM	Lunch on the Lanai			
1:30 PM	2:45 PM	TMH10 - Creating Class-Based DSC Resources - Jason Helmick	TMH11 - Exchange and O365 PowerShell - Michael O'Neill	TMH12 - DISCUSSION: Delivering Better Presentations - Don Jones	
3:00 PM	4:15 PM	TMH13 - PowerShell Unplugged: Stuff I Stole from Snover - Don Jones	TMH14 - O365 and Exchange Hybrid Management - Michael O'Neill	TMH15 - Windows 10 Deployment with Config Man OSD—Planning and Strategy - Steven Rachui	
4:30 PM	5:45 PM	LIVE! 360 CONFERENCE WRAP-UP - Andrew Brust (Moderator), Andrew Connell, Don Jones, Rockford Lhotka, Matthew McDermott, Brian Randell, & Greg Shields			

TechMentor Post-Conference Workshops: Friday, November 20, 2015		
8:00 AM	5:00 PM	TMF01 - Workshop: Mastering Windows Troubleshooting: BSODs, System Hangs, and Performance Problems (BYOL) - Bruce Mackenzie-Low
		TMF02 - Workshop: Application Deployment—The Configuration Manager Way - Steven Rachui

Sessions and speakers subject to change.

BRING YOUR OWN LAPTOP (BYOL)

Bring your own laptop to participate in the Hands On Lab (HOL) or Ride Along (RA) with the speaker. Please note specific laptop requirements and prerequisites for each session.

RA: Optionally Bring Your Own Laptop to Ride Along with the Speaker—see session description for prerequisites

HOL: Bring Your Own Laptop for Hands-On Labs—see session description for prerequisites

TECHMENTOR SESSION DESCRIPTIONS BY TRACK

System Center and Configuration Management

This year—2015—will be the Year of Configuration Management for the Microsoft world, and TechMentor has the training you'll need to keep up. We'll help you top up your skills in System Center Service Management Automation, OS deployment, app deployment and more.

■ TMM02 Workshop: Service Management Automation for the Uninitiated

Intermediate / Advanced

JASON HELMICK

Monday, November 16, 8:00am – 5:00pm

Your datacenter/cloud is growing at a rapid rate. You need to start automating management tasks or you'll quickly become overwhelmed. You may have started using System Center Orchestrator, but now it's time to step up to SMA. Confused on how to begin? Let automation expert and PowerShell MVP Jason Helmick guide you through the ins and outs of going beyond the basics and turning SMA into your cloud automation solution.

You will learn:

- How to implement and manage SMA
- How to monitor and react to events
- How to automate provisioning and maintenance tasks

■ TMT04 Digging Deep into Microsoft Intune Patching and Mobile Management Solutions (BYOL RA)

Introductory / Intermediate

MIKE NELSON

Tuesday, November 17, 11:00am – 12:15pm

Microsoft Intune is quite possibly the most underrated cloud service from Microsoft. With everything from Computer, Groups, and User management; to patching, policies, and even mobile management, there's an enormous amount of power and benefit to this product for anything from small businesses to large enterprises. In this session, we'll dig into the Intune world, covering all of it in brief, along with deeper insights into the patch management and mobile management features. Managing patches and updates has always been a thorn in IT's side. We'll take a look at how Intune can help resolve some of those issues and make the job much easier. With the advent of Mobile Device Management (MDM), Intune brings with it a solid beginning to this technology, and we'll discuss how it can and will improve in the future.

If you have an active Intune subscription, we encourage you to bring your laptop and follow along, asking any questions you may have as we go.

You will learn:

- How to successfully deploy and manage your Microsoft Intune Patching and MDM solution
- A more complete understanding of the benefits and drawbacks of the product offering, as well as what may be coming in the future
- More about patching and mobile management, two of the most talked about solutions that IT has to deal with on a daily basis
- Real solutions and tips for integration from the field

■ TMF02 Workshop: Application Deployment—The Configuration Manager Way

Intermediate

STEVEN RACHUI

Friday, November 20, 8:00am – 5:00pm

This session will provide a complete review of the software update mechanism in Configuration Manager 2012. We'll start with an introduction to software updates and will continue with a deep dive into software update internals. There will also be a discussion of monthly software update strategy, automation and third party software updating.

You will learn:

- The components of software updates
- Production software update strategy
- The internals of software updates

"I MET GOOD IT PROS AND EXPERIENCED SPEAKERS WHO SHARED ADVANCED, NEW IT SKILLS."

-Zu-Ting Swenson, NECA

TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Soft Skills for IT Pros

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.

■ TMW12 DISCUSSION: Career Strategies for the IT Pro

Introductory

GREG SHIELDS

Wednesday, November 18, 4:00 – 5:15pm

Cloud computing, BYOD, PowerShell administration, pervasive security threats—the very foundations of our IT industry are evolving faster than ever. Are you comfortable with your job, your role to play and the career path you've chosen? Have you made good career decisions or are you seeking advice from others who have? Let's chat.

Join your fellow conference attendees in this open discussion and Q&A on career strategies for IT professionals. Facilitated by Greg Shields, author evangelist with Pluralsight, this session offers an opportunity to share your experiences in an interactive format. Bring your experiences, your questions, and most importantly your concerns to this group conversation. Together, we'll shed light on the career strategies that are working—and those that aren't.

You will learn:

- How to prepare yourself for future career decisions
- How to better understand your career path, including training, experience, technology focus, and pitfalls to avoid
- About the career decisions of fellow conference attendees

■ TMH12 DISCUSSION: Delivering Better Presentations

Introductory/ Intermediate

DON JONES

Thursday, November 19, 1:30 – 2:45pm

Take your career up a notch by learning to deliver presentations that are more effective, more interesting and less stressful. Don Jones, a professional presenter for more than two decades, shares some of his favorite secrets for building better presentations. Whether you're prepping for a user group presentation or a weekly team meeting, you'll want to master these tips for being a better public speaker.

You will learn:

- Build more effective and engaging presentations
- Become the master of team meetings
- Conquer your fear of presentations and meetings

"GREAT CONFERENCE! REALLY LIKED THE ADDITION OF TECHMENTOR. WILL RECOMMEND THAT MY SERVER/NETWORK ADMIN ATTEND NEXT YEAR TOO!"

*- David Hugh, St Lucie County
Property Appraiser*

Security

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

■ TMT01 Your Approach to BYOD Sucks!

Intermediate /Advanced

SIMON MAY

Tuesday, November 17, 9:30 – 10:45am

Most IT departments are wrestling with a BYOD project or implementation. The idea is to let people bring their own devices so they can be productive on those devices anywhere. Your company's top brass may or may not want you to let them do that, and it's certain your compliance auditors and regulators want to apply certain controls over personal devices. That's where you'll clash with your business users.

Many organizations approach BYOD as if they have a sense of entitlement over device ownership. Today's workforce—especially the younger workers—won't have it. They'll go elsewhere for work. And they won't enroll their device.

Learn why and how you can build the infrastructure to do what the top brass really want—make the organization productive—without sacrificing what the users really want. They want their device, their life, their way of working and their personal productivity.

You will learn:

- How to manage devices (iOS, Android, Windows 10) with Microsoft Intune
- How to manage Office Apps on iOS and Android
- The tricks for getting BYOD right



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

■ TMW01 Ethical Hacking: Methodologies and Fundamentals

Introductory / Intermediate

MIKE DANSEGLIO & AVRIL SALTER

Wednesday, November 18, 9:15 – 10:30am

Ethical Hacking is the best way to find vulnerabilities the way real hackers do. You use their tools and processes. You'll see how hackers work and how they begin their attacks through careful planning. You'll also understand the fundamental concepts of ethical hacking including liability issues, legal constraints, and core terminology.

You will learn:

- How to apply a hacker methodology to examine a network
- How to plan an ethical hacking exercise
- How to select core tools to build your hacker toolkit before an attack begins

■ TMW04 Ethical Hacking: Recon, Data Gathering, and Target Selection

Introductory / Intermediate

MIKE DANSEGLIO & AVRIL SALTER

Wednesday, November 18, 11:00am – 12:15pm

You'll learn how a hacker decides which of your assets are hack-worthy and how they begin to attack your systems without sending a single packet. You'll also see how hackers build a network map of your enterprise—just like your own IT department—but for planning and attacking your systems. This session will include demonstrations of live hacking including social media scanning and external network footprinting.

You will learn:

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

■ TMW07 Ethical Hacking: Destroying and Compromising Wireless Networks

Intermediate / Advanced

MIKE DANSEGLIO & AVRIL SALTER

Wednesday, November 18, 1:45 – 3:00pm

Ethical Hacking is the best way to find vulnerabilities the way real hackers do. You use their tools and processes. You'll see real-time wireless sniffing and network penetration attacks using current hacker tools. This session pays special attention to wireless because it provides a more favorable cost:benefit to hackers. Warning: this session is not for those with weak constitutions as many of the attacks are difficult or impossible to defend against. This session will include demonstrations of live wireless hacking and Denial of Service (DOS) attacks.

You will learn:

- How to deploy and manage network snooping and enumeration tools
- How to use Wireshark to capture and analyze wireless traffic
- How to spoof wireless access points and clients to compromise network integrity

■ TMW10 Ethical Hacking: Denial of Service and Social Engineering

Intermediate / Advanced

MIKE DANSEGLIO & AVRIL SALTER

Wednesday, November 18, 4:00 – 5:15pm

The two attacks that IT professionals fear the most are Denial of Service and Social Engineering. There's very little you can do to protect against or even reduce the impact of these two attacks. So come see how real hackers do them. You'll see tools like the Low Orbit Ion Cannon that have only one purpose: destroy access to your assets. You'll also see live examples of some of the most effective Social Engineering attacks in use today.

You will learn:

- How to select and attack the most vulnerable network assets
- How to select and attack the most vulnerable human
- How to decimate servers and network assets with freely available hacker tools



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Windows OS

This year, TechMentor will provide an expanded level of coverage for the Windows operating system itself, including Sysinternals coverage, Hyper-V, massive troubleshooting and performance sessions, Windows 10 coverage and a series of Windows Internals Black Belt courses. Brace yourself for full Windows immersion.

■ TMT03 Secure Access from Everywhere! Implementing DirectAccess in Win2012R2

Intermediate / Advanced

RICHARD HICKS

Tuesday, November 17, 9:30 – 10:45am

With today's highly mobile workforce, providing secure access regardless of location is essential to maintain productivity. DirectAccess is a remote access technology included with Windows Server 2012 R2. It's a paradigm shift in the way to deliver remote access. DirectAccess provides always-on, seamless and transparent remote access any time a client is connected to the Internet. With DirectAccess, users access data and applications remotely in exactly the same way as they do in the office. Network communication is protected with IPsec encryption and authenticated with Kerberos, NTLM and certificates. DirectAccess connectivity is bi-directional, which enables manage-out capabilities not available with tradition VPN solutions.

You will learn:

- To understand how DirectAccess works
- The differences between DirectAccess and VPN
- How to identify platform technology prerequisites
- How to determine the best DirectAccess deployment model
- How to select a high availability and redundancy option
- How to prepare for Windows 7 client support

■ TMT06 Using Sysinternals to Fight Malware

Intermediate / Advanced

MICHAEL WILEY

Tuesday, November 17, 11:00am – 12:15pm

Several of Sysinternals tools have been updated recently to help deal with the scourge of malware. We will present a brief overview of these Sysinternals tools, focusing on how they deal with viruses, worms, adware and other unwanted intrusions. Then we'll dive deep into some of the Sysinternals tools, including Process Monitor, Process Explorer and Autoruns, focusing on the features useful for malware analysis and removal. These utilities let you perform deep level inspection and control processes, file system and registry activity, and autostart execution points. We'll discuss and demo the tools in action dealing with current real-work malware. We'll also show you some of the malware that can't be fought with current tools, and best practices to avoid infection.

You will learn:

- To understand different types and activities of malware
- To understand the integration of Sysinternals and security software/vendors
- How to leverage the Sysinternals tools to fight malware

■ TMT09 Windows 10 The Important New Features

Introductory/ Intermediate

SAMI LAIHO

Tuesday, November 17, 2:00 – 3:15pm

Windows 10 is said to be the Best and the Last Windows version ever! Is it just promiseware or is it really a justified statement? In this session you will see one of the leading Windows OS experts in the world, MVP Windows IT Pro Sami Laiho, show the features of Windows 10 you should really be excited about.

You will learn:

- What new features of Windows 10 are of interest to companies in real life
- What new features of Windows 10 you should focus on including those didn't even know existed
- How to plan and deploy new Windows 10 features in an enterprise

■ TMT12 Windows Server 2016: Here's What We Know

Intermediate

DON JONES

Tuesday, November 17, 4:15 – 5:30pm

Windows Server 2016 is rolling out, but what will it include? MVP Don Jones walks you through what we know: new features, major changes and how this'll affect your business. He'll also make some predictions and help you understand how this release of Windows Server will affect your environment, whether you adopt it or not. Finally, he'll explore what new business directions this release represents for Microsoft.

You will learn:

- Get a head start on 2016 features
- Adjust your business and career direction
- Learn where Microsoft is headed

■ TMW03 The Absolute Beginner's Guide to Advanced VMM Networking

Intermediate

GREG SHIELDS

Wednesday, November 18, 9:15 – 10:30am

Whether you're a beginner or an expert, networking with Hyper-V and VMM can be surprisingly difficult. Even connecting a pair of Hyper-V hosts on a network is not an easy task. The challenge only gets more difficult as you add virtual switches, logical switches, Hyper-V network virtualization and the variety of VMM's other nifty networking bits.



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Join Greg Shields in this deep dive exploration of virtual networking with System Center Virtual Machine Manager. In this 100 percent demo session, you'll explore the best ways to configure VMM's many networking components, including Hyper-V Network Virtualization, and leave with a better appreciation for VMM's abilities to connect your virtual machines together.

You will learn:

- Why VMM offers so many networking objects, and the best ways to connect them together
- Experience a 100 percent demo session as Greg constructs a production-ready VMM infrastructure that supports complex networking and Hyper-V network virtualization
- The step-by-step instructions you need to accomplish the same in your own environment

■ TMW06 Sysinternals—The Latest and Greatest Updates!

Intermediate / Advanced

MICHAEL WILEY

Wednesday, November 18, 11:00am – 12:15pm

For any IT pro or Developer on the Windows platform, the Sysinternals utilities are vital tools in your arsenal. While Mark Russinovich's popular "Case of the Unexplained" demonstrates some of their capabilities in advanced troubleshooting scenarios, this session will concentrate on the tools themselves. The focus will be on the updates to the tools since the release of the "Windows Sysinternals Administrator's Reference." We'll deep dive into some of the more popular tools like Process Monitor and Autoruns, as well as demonstrate and discuss the lesser known tools. We will have in-depth analysis using the Sysinternals tools and how they can help troubleshoot issues with applications and Windows.

You will learn:

- A deeper understanding of the major Sysinternals tools (Process Monitor, Process Explorer, and Autoruns)
- Advanced analysis of troubleshooting techniques with many of the other Sysinternals tools, including new tools (Sysmon), and when to use which tool
- Understand the latest updates and changes to the Sysinternals tools since the release of the book Sysinternals Administrator's Reference

■ TMW09 Windows Internals Black Belt: Become a Troubleshooting Ninja

Intermediate / Advanced

SAMI LAIHO

Wednesday, November 18, 1:45 – 3:00pm

Did you know the biggest mistakes in troubleshooting Windows happen when using the Administrator account and troubleshooting processes? Do you know how process priorities relate to IRQ Levels and how IRQL's relate to actual hardware IRQ-values? How does Windows use locking to allow for multi-processing on multiple processors? Have you ever wondered what Mutexes or Semaphores in Process Explorer really mean? When faced with an unknown problem to solve, it's easier to see what's wrong when you know what's not. Every troubleshooter benefits from knowing how Windows is actually built!

You will learn:

- How Windows actually works in cooperation with the hardware
- How to become a better troubleshooter
- How an OS should work to spot malware and troubleshoot relevant issues

■ TMH03 Windows Internals Black Belt: Memory Management

Intermediate / Advanced

SAMI LAIHO

Thursday, November 19, 8:00 – 9:15am

Have you ever wondered if Windows Pagefile settings should be changed or how they actually work? Have you ever wondered what the values in Task Manager actually mean—like Paged Pool, Working Set, Free memory and so on? Have you ever wondered how to really know if you need more memory to solve a problem or are you just facing a bad behaving application? These are examples of questions that will be answered during this session by Sami Laiho.

You will learn:

- How Windows memory management works
- How to spot memory bottlenecks and memory leaking applications
- How to adjust the pagefile settings and what should or shouldn't do

■ TMH06 Building Better Hyper-V Guest Clusters

Intermediate

BRUCE MACKENZIE-LOW

Thursday, November 19, 9:30 – 10:45am

Over the years, Microsoft has consistently embraced and enhanced failover clusters to provide a fault tolerant platform for your mission critical applications. Now with Hyper-V, there are many new opportunities to virtualize your legacy clusters to take advantage of newer hardware and the latest operating system features. In this session, you'll learn how you can implement virtual guest clusters in your environment with Windows Hyper-V. This will cover a variety of storage scenarios including shared iSCSI disks, virtual HBAs and shared VHDX (Virtual Hard



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Disk) files. You'll also learn about the best practices for configuring guest cluster networks, implementing Active Directory-detached clusters, and other Windows Server 2012 R2 clustering features.

You will learn:

- How to configure storage components for guest clusters
- Best practices for configuring guest cluster networks
- How to implement Active Directory-Detached guest clusters

■ TMH09 Windows Internals Black Belt: Security

Intermediate / Advanced

SAMI LAIHO

Thursday, November 19, 11:00am – 12:15pm

Do you know how to bypass UAC and how to make it really secure? Do you know why Windows 7 audits hundreds of events, although no auditing is enabled? Do you know the difference between security policies and group policies, as they are in no way related? Do you know how to execute Pass the Hash or Pass the Ticket attacks or how to prevent them? Do you know how Windows access tokens really get built and changed or how they can be viewed with a kernel debugger? These are examples of things that Sami Laiho teaches on this Black Belt class about how Windows security subsystem is actually built!

You will learn:

- How Windows security subsystem really works
- How to effectively troubleshoot security related issues
- How to bypass and harden Windows security barriers

■ TMH15 Windows 10 Deployment with Config Man OSD Planning and Strategy

Intermediate

STEVEN RACHUI

Thursday, November 19, 3:00 – 4:15pm

Organizations around the world will soon be planning for their Windows 10 deployments. This session will discuss the configurations and strategies you'll need to use Configuration Manager OSD to drive these deployments. Discussions will include reviewing the task sequence components unique to Windows 10 deployments and other required configurations for deployment. Demonstrations will include leveraging OSD for upgrading existing systems to Windows 10 and general deployment considerations for bare metal deployments.

You will learn:

- About the requirements for Windows 10 deployments using OSD
- Detail changes in task sequencing to support Windows 10
- How to prepare and plan for Windows 10 deployment options in your organization

■ TMF01 Workshop: Mastering Windows Troubleshooting: BSODs, System Hangs, and Performance Problems (BYOL-HOL)

Advanced

BRUCE MACKENZIE-LOW

Friday, November 20, 8:00am – 5:00pm

In this full day workshop, you'll gain hands-on experience as you practice with proven tools and techniques for resolving Windows crashes, hangs and performance issues.

Seize this opportunity to enhance your troubleshooting skills by learning how to tackle the toughest problems that Windows can dish out. Enrich your job security

for years to come by knowing what tools to use to analyze the Blue Screen of Death, system hangs and performance issues. Leverage free, state-of-the-art tools from Microsoft including the Windows Debugger and the Windows Performance Toolkit, along with step-by-step cookbook instructions to guide you along the way. You'll leave this workshop with the knowledge, tools and confidence you'll need to tackle the toughest outages for years to come.

Bring-Your-Own-Laptop running Windows 7 or later to gain hands-on experience with labs (suggested but not required). 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 analyzing Windows crashes, hangs and performance issues
- Gain hands-on experience with proven techniques for troubleshooting complex outages
- Install the latest free tools from Microsoft ready to take back to your office

TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Cloud & Mobile

Whether it's your cloud or someone else's, we've assembled a set of sessions designed to help you leverage today's "cloud" technologies—with zero marketing fluff. Secure access by external users, learn where it makes sense to use Azure (and where it doesn't), and use Microsoft's own Azure-scale tools right in your own datacenter. We're including new coverage for mobile device management, Office 365 integration and more!

■ TMT02 Deploying Windows Apps in the Cloud with RemoteApp

Introductory / Intermediate

JOHN O'NEILL, SR.

Tuesday, November 17, 9:30 – 10:45am

Easily extend anytime, anywhere and any device access to critical business applications using Microsoft Azure RemoteApp. Organizations no longer need take on steep development costs to provide mobile device access to Windows applications. Leveraging Azure RemoteApp, Windows, OS X, iOS, and Android devices become key productivity tools. Organizations can deploy software from everyday apps such as Office to line of business apps including ERP or CRM solutions. Azure RemoteApp provides unprecedented scaling, quickly adjusting to changing business or workforce demands.

You will learn:

- How to deploy a Windows application through Azure RemoteApp
- How to creating a RemoteApp Collection
- Supported authentication methods
- About accessing apps from Windows, iOS, Mac OS X, or Android devices

■ TMT05 Integrating Active Directory with Azure, Step by Step

Introductory / Intermediate

JOHN O'NEILL, SR.

Tuesday, November 17, 11:00am – 12:15pm

The cloud is no longer limited to large organizations or server applications. Microsoft's Azure and Office 365 offerings let even the smallest organizations realize the advantage of cloud based solutions. This session will prepare attendees for the first steps in an Office 365 deployment including deploying Active Directory Federation Services (ADFS), synchronizing Microsoft Azure Active Directory with on premise AD and on-going account management. This will incorporate the latest tools and techniques from Microsoft making integration easier than ever before.

You will learn:

- Integrating on premise AD with Microsoft Azure AD, step by step
- Completing Directory Synchronization
- Office 365 Portal administration
- Single sign-on with Office 365

■ TMT08 Why Your Company Needs a Cloud-Based Identity

Intermediate / Advanced

SIMON MAY

Tuesday, November 17, 2:00 – 3:15pm

Everyone is mobile today. People in your organization are accessing their information from anywhere and everywhere thanks to some fundamental shifts in work behavior. Consequently, IT isn't in control of every single software decision any more. The sales director, the Chief Marketing Officer, Joe in accounts—they all make decisions without a single thought about company standard operating environment. As a result, you need user names and passwords for 10, 20, 30, 1,000 different

systems. And then Jane in the dev team builds a new expense management platform. Where does she get the ID's from?

You open a new branch office and the VPN keeps cutting out. People can't sign on, so they spend more and more time on social sites.

You've probably faced problems like these. In this session, you'll learn how the cloud can help with Identity and Access Management, with new controls built for just these challenges.

You will learn:

- The secret to Azure AD integration
- How to enable access to identity from anywhere
- How to make on-premises applications more securely accessible

■ TMT11 Rocking Your Cloud with Docker! (BYOL-RA)

Introductory / Intermediate

MIKE NELSON

Tuesday, November 17, 4:15 – 5:30pm

Virtualization is a really cool technology, but Containers are really the next chapter in application mobility and deployment standardization. Docker is the leader in this space and it's easy to use, easy to configure, and you can even have a bit of fun playing around with it. This technology can integrate with all types of platforms on both private and public cloud spaces and brings real value to the sysadmin just as it does for the developer.

We'll briefly cover what Containers are and logic behind them, and then get a bit more technical around how to implement and use Docker in many different scenarios. You'll learn about pulling images, adding applications, and pushing them back into our repositories. You'll also hear how to make your images available to the world on the Docker Hub. You'll even learn how to put Docker in the Microsoft Azure cloud using the Docker extensions.



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Bring your laptop and follow along as we take a trip into App Containers and the world of Docker!

You will learn:

- How to install, configure, and use basic Docker commands from a local Operating System, and see how it is done in the Azure Cloud
- Why application containers are a really great and innovative technology solution for standardizing your application deployments and distributions
- How application containers would fit into a couple of different scenarios in small and large enterprises, and how they may relate to your own experiences

■ TMW02 Using Azure Site Recovery for Easy, Secure Off-Site Backup

Introductory/ Intermediate

JOHN O'NEILL, SR.

Wednesday, November 18, 9:15 – 10:30am

In the Information Age, data is king. Nothing will ruin an IT Pro's day faster than losing important data because a backup was corrupt, incomplete or non-existent. Recovery needs to occur quickly, but at the same time backups need to be protected by storing them off-site. With Microsoft Azure as a backup target, organizations can rest assured their 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 will cover exactly what it takes to backup in-house data to Microsoft Azure quickly and easily.

You will learn:

- When to use Azure Site Recovery and when not to
- How Microsoft Azure provides reliable, off-site data storage
- How to backup physical and virtual servers and clients to Microsoft Azure
- Tools for managing Microsoft Azure backups

■ TMW05 Real Time Monitoring of User Experience in VDI

Intermediate/Advanced

JEFF STOKES

Wednesday, November 18, 11:00am – 12:15pm

Join Jeff Stokes for a discussion on why real time monitoring of the User Experience is very important to the success of a VDI project. An often ignored or secondary concern in VDI projects, this one thing can make or break the success of a VDI implementation. We will also introduce LoginVSI PI, as well as a free custom trip-wire black-box technology invented by Jeff.

You will learn:

- The importance of the user experience in VDI projects
- How to implement user experience 'canaries' in your VDI 'coalmine'
- About performance aspects of VDI implementations, dos and don'ts

■ TMW08 Top Seven Tasks Required to Successfully Administer Office 365

Intermediate

JUSTIN HARRIS

Wednesday, November 18, 1:45 – 3:00pm

This session will walk you through the top seven administrative tasks critical to achieve a successful transition into Office 365. Learn how to leverage the cloud to increase automation and drive end user productivity. Pinpoint tasks you can automate and leverage to ensure Office 365 components and applications are monitored and adhere to best practices, while providing you with additional clarity into your tenant. Leverage the power of Office 365 to drive end user productivity while decreasing the amount of management time.

You'll learn ways to automate tasks such as provisioning new employees with all the necessary Office 365

components, manage your tenant's health and follow industry standard best practices.

■ TMW11 Migrating to Office 365: Strategies

Intermediate / Advanced

J. PETER BRUZZESE

Wednesday, November 18, 4:00 – 5:15pm

There are often three questions companies have when considering the move to Office 365. First, should we move to Office 365? Second, if we did decide to make the move, how would we go about doing it? Finally, what are my "morning after" blues going to look like? What am I not thinking about?

This session will cover all three, with the heaviest focus being on the how to make that move to Office 365 depending on the size of your organization, the current infrastructure and third-party services you currently deal with (anti-malware, legacy archive and so on) and ways to avoid the "gotcha" feeling afterward by planning ahead.

You will learn:

- The pros and cons of Office 365
- The methods available for making a move to Office 365 (ie. Hybrid Configuration Wizard, cutover vs. staged, etc.)
- The top gotchas! including data migration, legacy archive extraction woes, on-prem services and the cloud and more

■ TMH05 Securing Devices with InTune: Deep Dive

Introductory/ Intermediate

JUSTIN HARRIS & LAWRENCE NOVAK

Thursday, November 19, 9:30 – 10:45am

This session will provide a deep dive on how to secure Android, iOS, and Windows Phone devices using



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

Microsoft Intune. We'll discuss and then show you the different methods you can use to securely manage mobile devices such as Conditional Access, mobile application management, managed browser, managed PDF view and bulk enrollment.

■ **TMH08 Managing and Securing Devices with Microsoft EMS**

Introductory / Intermediate

JUSTIN HARRIS & LAWRENCE NOVAK

Thursday, November 19, 11:00am – 12:15pm

This intermediate session will provide an overview of the Microsoft Enterprise Mobility Suite. We'll demonstrate and discuss step-by-step instructions to show how small and mid-size businesses can design, install, configure and maintain Microsoft Azure Active Directory Premium, Microsoft Intune and Microsoft Azure Rights Management.

■ **TMH11 Exchange and O365 PowerShell**

Introductory / Intermediate

MICHAEL O'NEILL

Thursday, November 19, 1:30 – 2:45pm

These topics cover the Exchange on premises and Exchange Online administration, configuration and auditing using simple PowerShell commandlets to help you save time, save money, and be more productive with your day-to-day tasks.

You will learn:

- Administration: Simple steps and one-liners to help you administrate your Exchange/O365 environment
- Auditing: How to setup simple tasks using scripts for poor man monitoring and auditing of your Exchange environment

- Configuration: How to verify Azure AD synchronization, Exchange on-premises co-existence, and testing connectivity.

■ **TMH14 O365 and Exchange Hybrid Management**

Intermediate / Advanced

MICHAEL O'NEILL

Thursday, November 19, 3:00 – 4:15pm

This course covers the Exchange Online administration portal and Hybrid deployment scenarios. You can learn how to manage both O365 and On Premises Exchange servers, AAD Sync, and the new AAD Connect tool.

You will learn:

- Administration: Exchange online administration and configuration design considerations
- Active Directory Synchronization: How to use AAD Sync and AAD Connect to manage accounts, assign licenses, and use PowerShell to manage the environment
- Hybrid co-existence using Single Sign-On or Same Sign On and Hybrid requirements for on-premises synchronization

Windows PowerShell

TechMentor brings you an unprecedented, best-in-the-world level of Windows PowerShell training, including extensive work with Desired State Configuration. This is one of Microsoft's hottest and most important technologies, and this is your chance to learn it from the best!

■ **TMM01 Workshop: Windows PowerShell Scripting and Toolmaking (BYOL-RA)**

Introductory / Intermediate

JEFFERY HICKS

Monday, November 16, 8:00am – 5:00pm

This full day workshop will take your PowerShell skills to the next level. If you have some basic PowerShell experience or have dabbled in creating a PowerShell script or function, you're ready for PowerShell MVP, author and trainer Jeffery Hicks to lead you into the land of tool-making. Over the course of the day, you'll learn about scripting concepts such as scope, when to use a script, when to use a function and how to turn your PowerShell idea into a complete PowerShell tool. Anyone can type a PowerShell command—PowerShell pros know how to make tools. Come with a laptop running PowerShell 4.0 and follow along.

You will learn:

- When to create a script and when to create a function
- How to create an advanced function that behaves just like a cmdlet
- PowerShell scripting best practices as well as many tips and tricks for creating better tools, faster



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

■ TMT07 PowerShell Remoting Best Practices

Introductory

JEFFERY HICKS

Tuesday, November 17, 2:00 – 3:15pm

PowerShell wouldn't be of much use if all you could do was manage a local computer. Fortunately, PowerShell remoting makes so much else possible. In fact, starting with Windows Server 2012 R2, PowerShell remoting is essential. This session will look at what's required to securely use PowerShell remoting, dispel some myths and explore some enterprise best practices.

You will learn:

- The importance of PowerShell remoting
- How to leverage PowerShell remoting in your daily management tasks and scripts
- Recommended best practices for PowerShell remoting

■ TMT10 Mastering Regular Expressions in PowerShell

Introductory / Intermediate

JEFFERY HICKS

Tuesday, November 17, 4:15 – 5:30pm

Regular expressions remain a mystifying if not scary topic for many IT pros. It looks so arcane, it's impossible to learn. And even if you do, what good is it? That's what this session will answer. In this demo-heavy session, you'll learn the regular expression basics and how to use them in your PowerShell work. From simple matches, to replacements to named captures, this session will cover it all.

You will learn:

- The basic regular expression pattern syntax
- How to use the REGEX object
- How to integrate regular expressions into your PowerShell work

■ TMH01 Advanced PowerShell Traps and Gotchas

Intermediate

DON JONES

Thursday, November 19, 8:00 – 9:15am

Whether you're a PowerShell pro, a rank amateur, or interested in helping other people learn the shell, you'll need to avoid some of the most common traps and gotchas. MVP Don Jones demonstrates some of the most vexing trapdoors in the shell. He'll show you exactly what's going on with each of them under the hood, and techniques to avoid them.

You will learn:

- Stop banging your head against a wall on tricky traps
- Become more effective by avoiding pitfalls
- Learn the under-the-hood realities that make the shell work

■ TMH04 DSC Design and Planning

Advanced

DON JONES

Thursday, November 19, 9:30 – 10:45am

Learn the tricks, tips, and pitfalls of Desired State Configuration design and planning. Targeted at both v4 and v5 environments, you'll learn the right way to build modular configurations, how to structure your pull servers, and how to manage a distributed DSC environment at enterprise scale.

You will learn:

- Learn about v4 and v5 infrastructure differences
- Plan an effective and scalable DSC infrastructure
- Learn what simply doesn't work – yet – and avoid pitfalls

■ TMH07 Building a Secure DSC Pull Server

Intermediate / Advanced

JASON HELMICK

Thursday, November 19, 11:00am – 12:15pm

A Desired State Configuration (DSC) pull server is the heart of your configuration management system. Sending configuration information, including credentials, in a secured environment is essential. Learn how to build a secured HTTPS DSC Pull server and manage the certificates necessary to ensure a secure configuration environment. Let renowned Windows PowerShell MVP Jason Helmick guide you through the steps and best practices for success.

You will learn:

- How to secure a DSC HTTPS Pull server
- How to manage the certificates required for a secured configuration environment
- Insights into Pull server high-availability options

■ TMH10 Creating Class-Based DSC Resources

Intermediate / Advanced

JASON HELMICK

Thursday, November 19, 1:30 – 2:45pm

The most efficient custom resources are written with the new class structure in PowerShell v5. If you're an IT Pro new to the concept of "classes" let renowned Windows PowerShell MVP Jason Helmick get you started on the right path. Learn how classes can help you in many automation scenarios including writing Desired State Configuration custom resources. Using examples and demonstrations, Jason will give you the structure and best practices for writing easily maintainable class-based custom resources. This is your opportunity to get ahead of the curve with DSC!

You will learn:



TECHMENTOR SESSION DESCRIPTIONS BY TRACK (continued)

- The structure and syntax of classes
- How to write easily maintainable DSC custom resources
- How to use classes in Toolmaking and automation

■ TMH13 PowerShell Unplugged: Stuff I Stole from Snover

Advanced

DON JONES

Thursday, November 19, 3:00 – 4:15pm

For several years, PowerShell inventor Jeffrey Snover has held "PowerShell Unplugged" sessions at TechMentor conferences. They're informal, Q&A-based sessions filled with demos, tricks and tips. PowerShell MVP Don Jones shamelessly steals Snover's concept, and some of his favorite tricks, and brings them to you. Bring your PowerShell questions and have them answered in a lively, informal environment filled with demos and insider knowledge.

You will learn:

- Learn trips, tricks, and the inner workings of PowerShell
- Get answers to those questions you've always had
- Have fun and learn new PowerShell techniques

"I LEARNED A GREAT DEAL AT THE SESSIONS AND WAS VERY SURPRISED HOW ENTERTAINING AND CHARISMATIC THE MAJORITY OF THE SPEAKERS WERE. IN PARTICULAR, DON JONES, GREG SHIELDS AND ANDY MALONE WERE EXCELLENT!"

- Angela Maar, State of Idaho Treasurer's Office

For full speaker bios, go to live360events.com/orlando

TECHMENTOR CONFERENCE CO-CHAIRS AND ADVISORY COUNCIL

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*TechMentor Conference Co-Chair
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Greg Shields

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Keith Ward

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TECHMENTOR CONFERENCE SPEAKERS



J. Peter Bruzzese

Co-founder, ClipTraining



Mike Danseglio

*Principal Technologist,
Next Direction Technologies*



Justin Harris

Senior Solutions Architect, Binary Tree



Jason Helmick

Author, Pluralsight



Jeffery Hicks

Senior Technology Fellow, JDH IT Solutions



Richard Hicks

Richard M Hicks Consulting



Don Jones

*TechMentor Conference Co-Chair
Curriculum Director for IT Pro Content,
PluralSight*



Sami Laiho

Senior Technical Fellow, Adminize.com



Bruce Mackenzie-Low

Systems Software Engineer, Hewlett-Packard Company



Simon May

Senior Program Manager, Microsoft



Mike Nelson

Architect, ExtraHop Networks



Lawrence Novak

Premier Field Engineer, Microsoft

For full speaker bios, go to live360events.com/orlando

TECHMENTOR CONFERENCE SPEAKERS (continued)



John O'Neill, Sr.
Chief Technologist, AWS Solutions



Jeff Stokes
Senior Premier Field Engineer, Microsoft



Michael O'Neill
Senior Premier Field Engineer, Microsoft



Michael Wiley
Premier Field Engineer, Microsoft



Steven Rachui
Premier Field Engineer, Microsoft



Avril Salter
Principal Technologist, Next Direction Technologies



Greg Shields
*TechMentor Conference Co-Chair
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– Colin Webster, Medtronic

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**STANDARD
THROUGH
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\$1,295

**Add 3-Day Hotel Package
to Alumni 3-Day Package: \$770**

(same conditions apply as
Hotel package on p. 30)