Cloud & Virtualization LIVE!

THE FUTURE OF COMPUTING

December 10-14, 2012
Royal Pacific Resort, Orlando, FL
virtlive360.com

IT EVENTS WITH PERSPECTIVE — LIVE! 360

CLOUD AND VIRTUALIZATION FOR THE REAL WORLD

TRACK TOPICS:

➤ **Become a Virtualization Expert**

➤ **Construct and Manage an Application Delivery Infrastructure**

➤ **Integrate Mobile Devices and Consumerization with Cloud Computing**

➤ **Manage the Modern Cloud Enabled Datacenter**

➤ **Tactics in Cloud Application Development**

Cloud& Virtualization LIVE!
THE FUTURE OF COMPUTING

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WHO SHOULD ATTEND CLOUD & VIRTUALIZATION LIVE!

Developers

IT Managers

IT Project Leaders

IT Service Architects

IT Service Delivery Managers

IT Service Owners

IT/Business Consultants

Programmers

Senior Systems Administrators

Software Architects

Systems Administrators

Systems Architects

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A MESSAGE FROM CLOUD & VIRTUALIZATION LIVE! CONFERENCE CHAIR GREG SHIELDS

With an unbelievable series of technology releases and a newfound readiness for cloud computing, this year has proven to be one of IT's most significant in recent memory. With all these new technologies, how's an IT professional to keep up?

You can read articles. You can buy books. You can even attend webinars and online events. But in today's world of instantly accessible knowledge, the IT conference remains the best approach for keeping current on IT tactics and technologies.

Cloud & Virtualization Live! delivers intelligent training with real-world applicability on today's virtualization and cloud technologies. Taught by the industry's most celebrated expert speakers, this event is ideal for IT professionals, systems administrators, developers and consultants who want to develop their skill sets in evaluating, deploying and optimizing virtual and cloud-based environments.

I'm Greg Shields and as Chair for this exciting Cloud & Virtualization Live! Conference, I'm thrilled to deliver a fun- and knowledge-filled week of immediately usable tips, tricks, and tactics that'll make your IT job easier.

The Cloud & Virtualization Live! experience is unique in the IT conference world. We're not big, and you're not anonymous. Attending Cloud & Virtualization Live! is like a small-group mentoring experience on real-world issues, not an auditorium-sized showcase of bleeding-edge products out of your reach. Only at Cloud & Virtualization Live! do you get one-on-one access to today's top IT trainers. These are people who get IT's technologies, and are also ridiculously skilled in transferring that knowledge to others.

The content at Cloud & Virtualization Live! is also aligned with that of the many co-located technology tracks at Live! 360. This gives you an unprecedented opportunity to focus on not just Cloud & Virtualization, but also SharePoint, SQL Server, .NET development with Visual Studio, and more—all in a single venue.

Cloud & Virtualization Live! is indeed a conference that stands apart. Tight-knit, high-energy, and unparalleled training, all delivered by the world's most-trusted presenters.

I can't wait to see you in Orlando!

Greg Shields
Cloud & Virtualization Live! Conference Chair

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Cloud & Virtualization LIVE!
THE FUTURE OF COMPUTING

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Reasons to Attend Cloud & Virtualization Live!

1. **REAL-WORLD EDUCATION.** Everyone has heard about Cloud – and Virtualization-based technologies – this event will teach you how you can actually USE them in your business environment.

2. **THE GANG'S ALL HERE.** Literally. We have all the top cloud and virtualization experts that you want to hear from in one location, including: Eric D. Boyd, J. Peter Bruzzese, Nuno Godinho, Don Jones, Bruce Mackenzie-Low and Greg Shields.

3. **BUY 1, GET 3 FREE!** And we mean FREE. Cloud & Virtualization Live! is a part of Live! 360 – a unique conference built for the IT and Developer community.

   Live! 360 is comprised of four co-located events: **CLOUD & VIRTUALIZATION LIVE!, SHAREPOINT LIVE!, SQL SERVER LIVE!** and **VISUAL STUDIO LIVE!.** By registering for just 1 event, you have access to ALL FOUR. Pick and choose from whatever sessions interest you across the entire Live! 360 conference – for just 1 price!

4. **ONE-OF-A-KIND NETWORKING EVENTS.** What separates this conference from the rest are the multiple opportunities we provide you with to chat and mingle with the speakers and your fellow attendees.

Get those tough questions answered or hear what your colleagues are up to during meals and networking activities taking place throughout the week – it's fun AND educational!

Don't forget – with 4x the conferences, you have 4x the people to network with and learn from!

5. **YOUR VERY OWN TECH-CATION.** In addition to the awesome education, top-ranked speakers and networking opportunities, we haven't even mentioned that it's all taking place in sunny Orlando, Florida! Who doesn't need a little warmth in December?

EVENTS AND ACTIVITIES

Your attendance at Cloud & Virtualization Live! / 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!

CLOUD & VIRTUALIZATION LIVE! / LIVE! 360 EXHIBITOR RECEPTION
Tuesday, December 11
5:30 - 7:30 p.m.

You won't want to miss the Cloud & Virtualization Live! / Live! 360 exhibitor reception on Tuesday, December 11! Take advantage of the dedicated time with sponsors and exhibitors who bring you the products and services you'll rely on in the coming year as you enjoy complimentary drinks and hors d'oeuvres.

LUNCHEON ROUND TABLE
Wednesday, December 12
12:15 – 1:45 p.m.

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

EXHIBITOR EXPO
Monday, December 10
Wednesday, December 12

Browse the Exhibitor Expo. Gather information on the latest product updates and new technologies you can use to build solutions faster and gain productivity. Visit all booths and become eligible for the grand prize drawing!

LIVE! 360 DEMONSTRATION THEATER
The Live! 360 Demonstration Theater provides a great way to learn more about products and solutions offered by our 2012 sponsors. Located in the Expo Hall, the demonstrations are easy to drop in on for a quick dose of interesting tech talk.

EXPO HALL PRIZE HUNT
Wednesday, December 12
3:30 p.m.

Upon entering the Exhibitor Reception on Tuesday evening, you'll be handed a prize hunt card. Visit booths and collect a stamp from the exhibitors. Turn in your completed card and you'll be entered to win a variety of great prizes! We'll select winners beginning on Wednesday at 3:30 p.m. You must be present in the Expo Hall to win.

Visit the Cloud & Virtualization Live! Website at www.virtlive360.com for the demo theater schedule, prize information, and the growing list of exhibitors.

VENUE & TRAVEL

Venue Information

Combine business and pleasure! Make your time at Cloud & Virtualization Live! even better by bringing the family and staying at the Royal Pacific Resort at Universal Orlando, home to all conference sessions and activities. The Royal Pacific Resort at Universal Orlando is a perfect retreat with its exotic South Seas flavor for parents and kids alike.

Hotel Information

Royal Pacific Resort at Universal Orlando
6300 Hollywood Way
Orlando, Florida 32819
Phone: 866.360.7395

The Royal Pacific Resort at Universal Orlando provides comfort and relaxation in an ideal location. Situated just a short water taxi ride away from thrilling Universal CityWalk and the Universal Theme Park, this well-situated property makes visiting this sunny locale easy.

Special Cloud & Virtualization Live!
Attendee Rate: $119
Book by: November 16, 2012

Rates are based on availability, so book your accommodations today.

Rooms at the Royal Pacific Resort in the Cloud & Virtualization Live! Room Block include complimentary in-room Internet connectivity and complimentary use of the Health Club.

Make your hotel reservation online or by calling Reservations at 866.360.7395 and ask for the Cloud & Virtualization Live! Room Block. (link: http://www.loewshotels.com/en/Royal-Pacific-Resort/GroupPages/live360)

COMPLETE CONFERENCE & HOTEL PACKAGE
If you select the Complete Conference & Hotel Package when registering, a hotel room at the Royal Pacific Resort at Universal Orlando will be reserved for you.

Travel

AIR TRAVEL DISCOUNTS
American Airlines is offering a 5% discount to Cloud & Virtualization Live! attendees for travel to Orlando International Airport December 9 and 15, 2012. Mileage members can receive credit for all American miles flown to attend this conference. To take advantage of these discounts, please call toll-free, or have your travel agent call American Airlines: 800.433.1790 and reference number A22N2AZ. To book your discounted ticket online go to www.aa.com and use the discount reference number above as the promotion code.

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

AIRPORT TRANSPORTATION

Orlando International Airport
The Royal Pacific Resort at Universal Orlando does not provide airport transportation, but there are several options:

MEARS TRANSPORTATION
800.759.5219

Mears provides convenient and affordable transportation between the Orlando International Airport and the Royal Pacific Resort. One way fares start at $18. This is a shuttle service that will have other stops along the way.

Mears can also assist with sedan reservations or advance taxi reservations.

TAXI
One way fares from Orlando International Airport (MCO) average $45-$50

December 10-14, 2012 • Royal Pacific Resort at Universal Orlando®

AGENDA AT-A-GLANCE

Becoming a Virtualization Expert	Constructing and Managing an Application Delivery Infrastructure	Integrating Mobile Devices and Consumerization with Cloud Computing	Tactics in Cloud Application Development	Managing the Modern Cloud-Enabled Datacenter

Cloud & Virtualization Live! Pre-Conference Workshops: Monday, December 10, 2012
(Separate entry fee required)

START TIME	END TIME			
6:30 am	8:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries		
8:00 am	12:00 pm	**CVM1** - Workshop: Minimizing Cloud Service Disruption by Analyzing Application and OS Crashes - *Bruce Mackenzie-Low*	**CVM2** - Workshop: Hyper-V v3 and System Center 2012 Private Cloud Master Class - *Greg Shields*	**CVM3** - Workshop: HTML5 + Cloud: Reach Everyone, Everywhere - *Eric D. Boyd*
12:00 pm	1:00 pm	Lunch		
1:00 pm	5:00 pm	**CVM4** - Workshop: From Windows XP to the Virtual Workplace: A Detailed Strategy for Implementing your Application Delivery Infrastructure - *Simon Bramfitt*	**CVM2** - Workshop: Hyper-V v3 and System Center 2012 Private Cloud Master Class - *Greg Shields*	**CVM3** - Workshop: HTML5 + Cloud: Reach Everyone, Everywhere - *Eric D. Boyd*
5:00 pm	7:00 pm	EXPO Preview		
7:00 pm	8:00 pm	Live! 360 Keynote		

Cloud & Virtualization Live! Day 1: Tuesday, December 11, 2012

START TIME	END TIME				
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:00 am	Cloud & Virtualization Live! Keynote			
9:15 am	10:30 am	Live! 360 Keynote			
10:30 am	11:00 am	Networking Break • Visit the EXPO			
11:00 am	12:15 pm	**CVT1** - Overview of the Windows Azure Platform - *Eric D. Boyd*	**CVT2** - Tools and Techniques in Benchmarking the VDI User Experience - *Simon Bramfitt*	**CVT3** - Extending Applications to Everywhere: Your Guide to Internet-Enabling Remote Desktop Services - *Greg Shields*	**CVT4** - Windows 2012: Seven Must-Know Private Cloud Features - *Yung Chou*
12:15 pm	2:00 pm	Lunch • Visit the EXPO			
2:00 pm	3:15 pm	**CVT5** - Architecting Applications for Scale in the Windows Azure Platform - *Eric D. Boyd*	**CVT6** - Consolidating Cloud-Enabled Datacenters with Windows Failover Clusters - *Bruce Mackenzie-Low*	**CVT7** - Mobile Devices, Consumerization, and the New Personal Computing Experience: Designing and Delivering your Virtual Workspace - *Simon Bramfitt*	**CVT8** - Avoiding the Sixteen Biggest vSphere HA & DRS Mistakes - *Greg Shields*
3:15 pm	4:15 pm	Networking Break • Visit the EXPO			
4:15 pm	5:30 pm	**CVT9** - Overview of Windows Azure Marketplace DataMarket - *Eric D. Boyd*	**CVT10** - Citrix Application Deployment Methodologies Roundtable - *Greg Shields*	**CVT11** - Monitoring and Optimizing Windows Performance in Cloud-Based Infrastructures - *Bruce Mackenzie-Low*	**CVT12** - From IaaS to PaaS, SaaS, and then ITaaS with Microsoft Private Cloud - *Yung Chou*
5:30 pm	7:30 pm	Exhibitor Reception			

Cloud & Virtualization Live! Day 2: Wednesday, December 12, 2012

START TIME	END TIME				
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:00 am	Cloud & Virtualization Keynote: In the Cloud, Everything You Think You Know is Wrong - *Steve Riley, Technical Lead in the Office of the CTO, Riverbed Technology*			
9:15 am	10:30 am	**CVW1** - Introducing Windows Azure Web Sites - *Brady Gaster*	**CVW2** - Exchange Hybrid Deployment: Notes from the Field - *Mike Pfeiffer*	**CVW3** - Private Cloud and Virtualization Implications to Security Policies - *Rick Vanover*	**CVW4** - Windows Server 2008 R2 - Server Virtualization Best Practices, Tips, and Tricks - *Ron Barrett*
10:30 am	11:00 am	Networking Break • Visit the EXPO			

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AGENDA AT-A-GLANCE

Start	End				
11:00 am	12:15 pm	CVW5 - Windows Azure Security: What's Already in Place? - *Nuno Godinho*	CVW6 - Deploying Single Sign-On with Office 365 - *Mike Pfeiffer*	CVW7 - ConfigMgr 2012 and Windows InTune: Taking Application Management to the Cloud - *Ron Barrett*	CVW8 - Tips and Tricks for Managing VMs with Large Storage Requirements - *Rick Vanover*
12:15 pm	1:45 pm	Round Table Lunch • Visit the EXPO			
1:45 pm	3:00 pm	CVW9 - Demystifying Windows Azure Cost Estimation - *Nuno Godinho*	CVW10 - Unified Communications in Office 365 using Lync Online - *Mike Pfeiffer*	CVW11 - Developing Mobile Solutions with Azure and Windows Phone 7 - *Christopher Woodruff*	CVW12 - Storage Best Practices for Virtualized Environments - *Rick Vanover*
3:00 pm	4:00 pm	Networking Break • Visit the EXPO • Expo Raffle			
4:00 pm	5:15 pm	CVW13 - Pushing Data to and from the Cloud with SQL Azure Data Sync - *Christopher Woodruff*	CVW14 - Using Windows Azure to Enable Disaster Recovery Scenarios - *Nuno Godinho*	CVW15 - From Chaos to Confidence: Overcoming an Environmental Disaster with the Help of VDI - *Ryan Sobel*	CVW16 - Virtualizing Exchange: Best Practices and Gotchas! - *J. Peter Bruzzese*

START TIME	END TIME	Cloud & Virtualization Live! Day 3: Thursday, December 13, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:15 am	CVTH1 - Windows Azure in the Real World: From Idea to Production in a Few Months - *Jesus Rodriguez*	CVTH2 - Lessons Learned in a Small Business Office 365 Migration - *Don Jones*	CVTH3 - Active Directory Federation Services What You Need to Know - *Laura Hunter*	CVTH4 - Mastering the VMware Virtual Network: From vSphere to vCloud - *Scott D. Lowe*
9:30 am	10:45 am	CVTH5 - Real-Time Communication with SignalR and Windows Azure - *Brady Gaster*	CVTH6 - Identity and the Microsoft Cloud: Azure, Office 365, and You! - *Laura Hunter*	CVTH7 - Using Windows Azure to Build the Next Generation of Mobile Applications - *Jesus Rodriguez*	CVTH8 - To Be Announced
11:00 am	12:15 pm	CVTH9 - Enhancing Phone Apps with Azure Services - *Brian Hitney*	CVTH10 - Seven Secrets to Building a Successful Application Delivery Infrastructure - *Tyrone Thomas*	CVTH11 - Thin is In! Thin Client Computing in the Cloud Era - *John O'Neill Sr.*	CVTH12 - To Be Announced
12:15 pm	1:30 pm	Lunch			
1:30 pm	2:45 pm	CVTH13 - Migrating Apps and Workloads to the Cloud with Windows Azure - *Michael Washam*	CVTH14 - Virtualization, Cloud Computing, and Forensics - *Greg Kipper*	CVTH15 - Developing a Cohesive and Secure BYOD Strategy - *John O'Neill Sr.*	CVTH16 - The Best Free Tools for vSphere Administration - *Scott D. Lowe*
3:00 pm	4:15 pm	CVTH17 - Softening the Network: Virtualization, the Final Frontier - *Steve Riley*	CVTH18 - If VDI is the Future, then IDV is the Present - *J. Peter Bruzzese*	CVTH19 - Mobile Device Management in the Cloud using Windows InTune - *John O'Neill*	CVTH20 - Microsoft Licensing for Desktop and Server Virtualization - *Cynthia Farren*
4:30 pm	5:45 pm	Live! 360 Conference Wrap-up			

START TIME	END TIME	Cloud & Virtualization Live! Post-Conference Workshops: Friday, December 14, 2012 *(Separate entry fee required)*	
7:00 am	8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries	
8:00 am	12:00 pm	CVF1 - Workshop: Administering Windows Server 2012 Core with Windows PowerShell - For Cloud and On-Premise Datacenters - *Don Jones*	CVF2 - Workshop: Introduction to Threat Management and the Microsoft Unified Access Gateway 2010 - *Christopher Whitfield*
12:00 pm	1:00 pm	Lunch	
1:00 pm	5:00 pm	CVF1 - Workshop: Administering Windows Server 2012 Core with Windows PowerShell - For Cloud and On-Premise Datacenters - *Don Jones*	CVF2 - Workshop: Introduction to Threat Management and the Microsoft Unified Access Gateway 2010 - *Christopher Whitfield*

Speakers and sessions subject to change

SESSION DESCRIPTIONS BY TRACK

WORKSHOPS

Get deep coverage of key topics by registering for Cloud & Virtualization Live!'s pre- and post-conference workshops. Each workshop, taught by industry experts, offers in-depth insights on hot topics specifically developed to address the most relevant needs of today's Developers and IT Professionals.

■ CVM1 Workshop: Minimizing Cloud Service Disruption by Analyzing Application and OS Crashes – Intermediate
Bruce Mackenzie-Low
Monday, December 10   *8:00am – 12:00pm*

Clients demand the highest levels of stability in a cloud hosting infrastructure. Reoccurring outages can cause major dissatisfaction tempting clients to seek other providers. Stop the guesswork and minimize downtime by analyzing your own Blue Screen of Death (BSOD) crashes and hangs. Learn how to capture system and process memory dumps, install the Windows Debugger and use simple commands to identify failing software or hardware components. Leave this workshop with the confidence you'll need to tackle the toughest crashes and hangs.

You will learn:
- How to configure Windows servers to capture system and process memory dumps.
- How to force a memory dump on a hung Windows server or application
- How to install and setup the Windows debugger, using it to analyze system and process crash dumps and identify the failing component or driver.

■ CVM2 Workshop: Hyper-V v3 and System Center 2012 Private Cloud Master Class – Intermediate / Advanced
Greg Shields
Monday, December 10   *8:00am – 5:00pm*

Windows Server 2012 is coming, and with it comes an entirely new approach for Windows computing: The Hyper-V Private Cloud. Hyper-V hits its third version in Windows Server 2012, and some might argue it's also hitting its stride.

But Hyper-V by itself isn't necessarily a business-ready technology. It lacks high availability and load balancing. It lacks workflow and templates for automating virtual machine provisioning and maintenance. It also lacks all the necessary management tools one needs to truly realize Private Cloud computing.

Those tools come from System Center.

And not just pieces of System Center. Being successful with Hyper-V v3 requires a mile-wide and inch-deep command of all of System Center: Configuration Manager, Operations Manager, Virtual Machine Manager, as well as a few new tools like Service Manager, Orchestrator, and App Controller. Did you know that with System Center 2012 you can create entire workflows that automate everything in Hyper-V virtualization? You can provision entire services, systems, applications, everything – all with the help of System Center 2012's management platform.

Greg Shields knows virtualization. He's been named a Microsoft MVP, a VMware vExpert, and a Citrix CTP to prove it. He also knows automation. In this one-day deep-dive into Microsoft's virtualization, management, automation, and monitoring portfolio, you'll get everything you need to become a Hyper-V Master. You'll leave with specific instructions, best practices, and the mile-wide + inch-deep System Center experience you need for complete Hyper-V success.

You will learn:
- Deploying and implementing System Center in support of a Hyper-V Private Cloud.
- Best practices in using Hyper-V v3 for mission-critical workloads.
- Tips and tricks in implementing Hyper-V v3 + System Center to support Private Cloud goals: Service provisioning, self-service, VM management and monitoring.

■ CVM3 Workshop: HTML5 + Cloud: Reach Everyone, Everywhere
Eric D. Boyd
Monday, December 10   *8:00am – 5:00pm*

The web, more and more, is tightly integrated into our daily lifestyles. Our use of the web with social networking and rich media has increased radically over the past few years. Consumerization of sophisticated mobile devices has been one of the major drivers of that rapid growth.

SESSION DESCRIPTIONS BY TRACK, continued

But the challenge for developers is the fragmentation of the mobile development ecosystem. Because of this fragmentation, you have to create mobile apps multiple times, with different programming languages and tools. And these mobile applications are different from the applications that target the desktops and browsers.

In this workshop, you will learn how to build modern web applications with HTML5 that users can access across their various platforms and devices. Write one and run every-where is not a new goal, but it has been a challenging one to achieve. HTML5 is in a great position to be the technol-ogy that achieves this goal with standards adoption across vendors, platforms and devices.

When you consider the user experience that is expected of HTML5 applications, it becomes apparent that there are services beyond HTML5, CSS3 and JavaScript that are needed. This is where the Cloud and Windows Azure comes into the picture.

During this workshop, Eric will show you how to get started building modern web applications with HTML5. Eric will also walk through Windows Azure and how to use the Windows Azure Platform to provide the experience that users expect of modern web apps.

You will learn:
• Overview of HTML5 and the supporting technologies
• How to create modern web applications with HTML5
• When and how to utilize the Cloud in your HTML5 apps

■ **CVM4 Workshop: From Windows XP to the Virtual Workplace: A Detailed Strategy for Implementing your Application Delivery Infrastructure – Intermediate / Advanced**
Simon Bramfitt
Monday, December 10   *1:00pm – 5:00pm*

Business and IT are entering an inverted world, where technical innovation does not come from enterprise IT but from the consumer, where mobility is central and the desktop is optional, and where standardization must give way to flexibility and innovation. The transition to this new model for client computing coincides with another major change, the end-of-life of the most successful operating system of all time. There is no question that these changes will be deeply disruptive; however, as with all other great changes, it will create great opportunities. The opportunities to reinvent and recreate the client

computing environment are almost without precedent and must not be squandered.

This workshop explores the key business drivers and technologies that are coming together to create the virtual workspace which will be at the heart of tomorrow's client computing environment and shows how to get there.

Key subjects covered will include Bring Your Own Device, smart phone and tablets adoption, mobile device management, mobile application management, desktop virtualization, the consumerization of IT.

A path will be shown that takes enterprise IT form today's device-centric IT management services to a user-centric approach taking advantage of the opportunities inherent in consumerization technologies to create a virtual workspace that is centered on the user's needs and informed by the capabilities of the device in use.

You will learn:
• Understand how consumerization of IT, BYOD, desktop virtualization, personal cloud and mobile technologies will reshape enterprise IT services.
• Understand why conventional device management services will fail to keep up with business IT demands

and how the virtual workspace will address tomorrow's challenges
• Identify the key steps needed to transition from device-centric management services to the virtual workspace

■ CVF1 Workshop: Administering Windows Server 2012 Core with Windows PowerShell - For Cloud and On-Premise Datacenters – Intermediate / Advanced
Don Jones
Friday, December 14   *8:00am – 5:00pm*

The word is out: Microsoft would like you to stop using the GUI on your server, either locally or via RDP. In fact, other Microsoft products are increasingly positioning the GUI-free "Server Core" installation as their preferred platform. And, as services continue to be pushed into remote data centers (call it "the cloud," if you want), getting console access to the server will becoming increasingly impractical. Agree or disagree with this direction from Microsoft, but don't put your resume in risk by being unprepared for this new administrative model. Join world-renowned PowerShell expert Don Jones for an in-depth look at how to administer Windows Server 2012 entirely from the command-line. He'll start with a freshly-installed Win2012 "Server Core" GUI-free machine and walk through absolutely every step necessary to configure it, add server roles, configure those server roles, and more. Along the way you'll get a foundational education in supporting technologies like PowerShell Remoting, giving you even deeper value. Best of all, none of Don's demos will be pre-scripted or canned: He'll not only be showing you how to accomplish these tasks, but how he teaches himself to accomplish them on the fly. You'll come away learn more than you ever thought possible about PowerShell, about command-line administration, and gain a new confidence that Server Core is the right way to go for an increasing number of scenarios.

■ CVF2 Workshop: Introduction to Threat Management and the Microsoft Unified Access Gateway 2010 – Introductory / Intermediate
Christopher Whitfield
Friday, December 14   *8:00am – 5:00pm*

Learn the basics of architecting, setting up, and managing a TMG/UAG infrastructure. Identify when you would need TMG, where to put it, and even how to have some of the hard conversations with network and security teams. TMG/UAG are strong tools to have in your arsenal, and

they are considered critical for enabling many Microsoft solutions, including Exchange, Lync, and DirectAccess to name just a few.

You will learn:
• Basics of architecting TMG/UAG for high availability and performance
• When, where, and how best to leverage TMG/UAG for enabling Microsoft solutions
• Best practices for not 'shooting yourself in the foot' when configuring TMG/UAG

BECOMING A VIRTUALIZATION EXPERT

Are you an HA and DRS master? Qualified to construct and operate a Microsoft Private Cloud? Skilled at VMware networking and storage? Adept at virtualizing Microsoft servers like Exchange? If you're not, become a Virtualization Expert...fast... with the variety of deep dive sessions taught in this track by world renowned speakers.

• Hyper-V v3 and System Center 2012 Private Cloud Master Class
• From IaaS to PaaS, SaaS, and then ITaaS with Microsoft Private Cloud
• Storage Best Practices for Virtualized Environments
• Mastering the VMware Virtual Network: From vSphere to vCloud
• Virtualizing Exchange: Best Practices and Gotchas!

■ CVM2 Workshop: Hyper-V and System Center 2012 Private Cloud Master Class – Intermediate / Advanced
Greg Shields
Monday, December 10   *8:00am – 5:00pm*

Microsoft's 2012 wave of new products is here, and with it comes an entirely new approach for Windows computing: The Hyper-V Private Cloud. But Hyper-V by itself isn't necessarily a business-ready technology. It lacks high availability and load balancing. It lacks workflow and templates for automating virtual machine provisioning and maintenance. It also lacks all the necessary management tools one needs to truly realize Private Cloud computing.

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SESSION DESCRIPTIONS BY TRACK, continued

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Greg Shields knows virtualization. He's been named a Microsoft MVP, a VMware vExpert, and a Citrix CTP to prove it. He also knows automation. In this one-day deep-dive into Microsoft's virtualization, management, automation, and monitoring portfolio, you'll get every-thing you need to become a Hyper-V Master. You'll leave with specific instructions, best practices, and the mile-wide + inch-deep System Center experience you need for complete Hyper-V success.

You will learn:
• Deploying and implementing System Center in support of a Hyper-V Private Cloud.
• Best practices in using Hyper-V for mission-critical workloads.
• Tips and tricks in implementing Hyper-V + System Center to support Private Cloud goals: Service provi-sioning, self-service, VM management and monitoring.

■ CVT8 Avoiding the Sixteen Biggest vSphere HA & DRS Mistakes – Intermediate / Advanced
Greg Shields
Tuesday, December 11 *2:00pm – 3:15pm*

VMware vSphere is nothing new to the experienced IT pro. In fact, with over 50% of all IT workloads being virtualized today, there's a good chance you already have it in your datacenter. But did you know that vSphere's most noted – and arguably most powerful – technologies for VM availability can be easily misconfigured? Were you aware that some of its most-foundational settings can be fatally configured?

Don't learn the hard way. Greg Shields of Concentrated Technology has collected sixteen of HA and DRS' most DataCenter-killing configuration mistakes. He'll be sharing those mistakes, along with specific and actionable

suggestions for un-making them. Trust us on this one: You'll want to check your own settings before this presentation even ends.

You will learn:
• 16 big vSphere HA & DRS mistakes, and how not to make them.
• How to configure, manage, and maintain vSphere HA and DRS for best availability and load balancing.
• Best practices in managing HA & DRS in small to enterprise environments.

■ CVT12 From IaaS to PaaS, SaaS, and then ITaaS with Microsoft Private Cloud – Intermediate - Yung Chou
Tuesday, December 11 *4:15pm - 5:30pm*

The three defined ways to deliver a cloud application are IaaS, PaaS, and SaaS. With the introduction of System Center 2012, Microsoft private cloud now can apparently deliver all three and ultimately make ITaaS a reality. This session reviews the delivery methods, examines the technologies, and demonstrates these concepts by walking through service deployment scenarios in a private cloud setting based on Microsoft technologies.

You will learn:
• Understand private cloud and ITaaS
• Key enabling technologies of Microsoft private cloud solutions
• How to architect a private cloud solution

■ CVW4 Windows Server 2008 R2 – Server Virtualization Best Practices, Tips, and Tricks – Introductory / Intermediate
Ron Barrett
Wednesday, December 12 *9:15am – 10:30am*

This session will look at the challenge IT faces in maximizing their investment in Hyper-V. We will begin by discussing some Best Practices for moving from: Physical Servers or other virtualization platforms (VMware) some gothcas to look out for during deployments. We will discuss how to maximize Hyper-V R2 workloads and how to implement High Availability with some best practices for both. Next we will focus on Best Practices for Networking and Live Migration in Hyper-V. Finally we will close with some Hyper-V Tips and tricks to improve Administration and unleash the power of Hyper-V.

You will learn:
- Maximize your Hyper-V workloads
- Make Hyper-V Highly Available
- Get the most out of Hyper-V Live Migration

■ CVW8 Tips and Tricks for Managing VMs with Large Storage Requirements – Intermediate / Advanced

Rick Vanover
Wednesday, December 12   *11:00am – 12:15pm*

For IT pros who embrace virtualization, there is a challenge that for large VMs, there is a best practice void. This session will equip attendees to make better decisions for VM storage configuration for both Hyper-V and vSphere environments.

You will learn:
- Make the best decision for vSphere and Hyper-V VMs that require large amounts of storage
- Ensure that problems don't come up down the road
- What new technologies will make this process easier

■ CVW12 Storage Best Practices for Virtualized Environments - Intermediate / Advanced

Rick Vanover
Wednesday, December 12   *1:45pm – 3:00pm*

Too many times, virtualized environments suffer from too much consolidation on storage systems. This track will provide practical tips for vSphere and Hyper-V environments to manage, provision and troubleshoot storage in new ways to support the virtualized infrastructure. Key technologies include being able to separate storage resources, measure storage performance and look for specific metrics from the vSphere and Hyper-V environment.

You will learn:
- Run a repeatable baseline storage performance profile
- Implement levels of separation between high performance storage
- Find measurable elements of storage systems from vSphere and Hyper-V

■ CVW16 Virtualizing Exchange: Best Practices and Gotchas! – Intermediate

J. Peter Bruzzese
Wednesday, December 12   *4:00pm – 5:15pm*

Every solution you virtualize is unique in some way, but Exchange is different in that it has roles that are I/O intensive at times, and at other times require processor and memory power you may not have planned for. This session will help you to understand the best practices promoted by Microsoft, the configuration supported by Microsoft and the little known real-world gotchas that aren't always mentioned by Microsoft. Don't virtualize Exchange without sitting this session first!

You will learn:
- The best practices for virtualization of Exchange.
- Review the Microsoft support documentation for Exchange virtualization
- Discuss real-world implementations and talk about the future of Exchange as well

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■ CVTH4 Mastering the VMware Virtual Network: From vSphere to vCloud

Scott D. Lowe
Thursday, December 13   *8:00am – 9:15am*

■ CVTH16 The Best Free Tools for vSphere Administration- Introductory / Intermediate

Scott D. Lowe
Thursday, December 13   *1:30pm – 2:45pm*

Managing vSphere requires more tools than the vCenter Client alone. Those tools can cost you and your company thousands, if not tens of thousands of dollars. Why spend good money on vSphere tools when so many free options are available? Find out how the free tools stack up and what their limitations are in this cost-cutting session. In it, you'll learn where the free tools assist most in everyday vSphere management, where to get them, and how they can provide real value.

You will learn:
- Learn why you need more tools to manage vSphere
- Find out that there are a lot more tools out there than you might think
- The coolest tools in action with video!

■ CVTH20 Microsoft Licensing for Desktop and Server Virtualization – Introductory / Intermediate

Cynthia Farren
Thursday, December 13   *3:00pm – 4:15pm*

Understanding the licensing implications of virtualization for Microsoft technologies is an important key to building and maintaining your enterprises solution. This session with provide details on the types of Microsoft licensing required

SESSION DESCRIPTIONS BY TRACK, continued

to support desktop and server virtualization (including iPads and Android devices). Included in this session will be benefits and limitations based upon acquisition model as well as Software Assurance or MSDN rights.

You will learn:
- How to license your organizations strategy for desktop virtualization (including iPad, Android, BYOD, etc) for both the operating system and applications.
- How to leverage Microsoft Windows server editions to minimize server licensing needs through virtualization.
- Typical misunderstandings of Microsoft licensing terms that lead to costly mistakes in Microsoft VDI and Server virtualization projects.

CONSTRUCTING AND MANAGING AN APPLICATION DELIVERY INFRASTRUCTURE

Some say that application delivery has become IT's biggest mission today, figuring out the very best ways to connect users with their applications and data. But constructing and managing your own Application Delivery Infrastructure isn't a task taken lightly. It involves a lot of moving parts, and ridiculous automation and orchestration. Check out the sessions in this track for expert strategies and tactics that'll ensure success.

- From Windows XP to the Virtual Workplace: A Detailed Strategy for Implementing your Application Delivery Infrastructure
- Tools and Techniques in Benchmarking the VDI User Experience
- Deploying Single Sign-On with Office 365
- Identity and the Microsoft Cloud: Azure, Office 365, and You!
- If VDI is the Future, then IDV is the Present

■ CVM1 Workshop: Minimizing Cloud Service Disruption by Analyzing Application and OS Crashes – Intermediate
Bruce Mackenzie-Low
Monday, December 10   *8:00am – 12:00pm*

Clients demand the highest levels of stability in a cloud

hosting infrastructure. Reoccurring outages can cause major dissatisfaction tempting clients to seek other providers. Stop the guesswork and minimize downtime by analyzing your own Blue Screen of Death (BSOD) crashes and hangs. Learn how to capture a system memory dump, install the Windows Debugger and use simple commands to identify failing software or hardware components. Leave this workshop with the confidence you'll need to tackle the toughest crashes and hangs.

You will learn:
- How to configure Windows servers to capture a memory dump.
- How to force a memory dump on a hung Windows server.
- How to install and setup the Windows debugger, using it to analyze a system crash dump and identify the failing component or driver.

■ CVM4 Workshop: From Windows XP to the Virtual Workplace: A Detailed Strategy for Implementing your Application Delivery Infrastructure – Intermediate / Advanced
Simon Bramfitt
Monday, December 10   *1:00pm – 5:00pm*

Business and IT are entering an inverted world, where technical innovation does not come from enterprise IT but from the consumer, where mobility is central and the desktop is optional, and where standardization must give way to flexibility and innovation. The transition to this new model for client computing coincides with another major change, the end-of-life of the most successful operating system of all time. There is no question that these changes will be deeply disruptive; however, as with all other great changes, it will create great opportunities. The opportunities to reinvent and recreate the client computing environment are almost without precedent and must not be squandered.

This workshop explores the key business drivers and technologies that are coming together to create the virtual workspace which will be at the heart of tomorrow's client computing environment and shows how to get there.

Key subjects covered will include Bring Your Own Device, smart phone and tablets adoption, mobile device management, mobile application management, desktop virtualization, the consumerization of IT.

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A path will be shown that takes enterprise IT form today's device-centric IT management services to a user-centric approach taking advantage of the opportunities inherent in consumerization technologies to create a virtual workspace that is centered on the user's needs and informed by the capabilities of the device in use.

You will learn:
- Understand how consumerization of IT, BYOD, desktop virtualization, personal cloud and mobile technologies will reshape enterprise IT services.
- Understand why conventional device management services will fail to keep up with business IT demands and how the virtual workspace will address tomorrow's challenges
- Identify the key steps needed to transition from device-centric management services to the virtual workspace

■ CVT2 Tools and Techniques in Benchmarking the VDI User Experience
Simon Bramfitt
Tuesday, December 11　　　　*11:00am – 12:15pm*

■ CVT10 Citrix Application Deployment Methodologies Roundtable – Intermediate
Greg Shields
Tuesday, December 11　　　　*4:15pm – 5:30pm*

Publishing seamless applications, streaming virtual desktop vDisks, managing VM-hosted apps, connecting users with their applications and data: These and more are the Citrix model for Application Delivery. It's a complex model, but a robust one as well. Citrix's approach in connecting users is perhaps one of the most complete in the industry. It's also one of the hardest to wrap your mind around.

Greg Shields has been working with Citrix products since before Citrix was a company. He's seen the pitfalls and the promise, and he understands best how to deploy Citrix technologies for absolute success. Intended for business leaders, IT administrators, and even developers, this guided conversation with Greg Shields as host will deliver on smart practices for using Citrix successfully. Bring your questions, and be prepared to hear others' story. In this roundtable, we'll be discussing the very best in Citrix application deployment methodologies.

You will learn:
- Bring your questions, concerns, and war stories.
- This roundtable will be a guided conversation, hosted by Citrix CTP Greg Shields.

■ CVW2 Exchange Hybrid Deployment: Notes from the Field – Introductory
Mike Pfeiffer
Wednesday, December 12　　　　*9:15am – 10:30am*

Find out how you can seamlessly integrate your on-premises Exchange organization with Office 365 using proven practices from the field. In this session, Mike Pfeiffer, Microsoft Certified Master and Exchange MVP, will show you how to implement your own hybrid deployment with Exchange Online. You'll learn about key components such as the Hybrid Configuration Wizard, DirSync, and Active Directory Federation Services. You'll leave with a clear picture on how to perform a smooth implementation, and how to avoid the common pitfalls that are associated with such a complex deployment.

You will learn:
- Implement an Exchange Hybrid Deployment based on real world experiences.
- Understand components required for an Exchange Hybrid Deployment, including DirSync, ADFS, and Exchange Federated Delegation.
- About common problems encountered with Exchange Hybrid deployments in the field and how to address them.

■ CVW6 Deploying Single Sign-On with Office 365 – Introductory
Mike Pfeiffer
Wednesday, December 12　　　　*11:00am – 12:15pm*

Identity federation provides single sign-on (SSO) access to Office 365 resources using your existing Active Directory infrastructure. In this session, you'll find out how to implement Active Directory Synchronization (DirSync) and Active Directory Federation Services (ADFS), which are the core components required to make SSO work with Office 365. You'll see how to prepare your Active Directory environment, obtain a deep understanding of DirSync and ADFS, and walk away with implementation steps and troubleshooting techniques used in successful real world deployments.

You will learn:
- About the components and prerequisites required to deploy Identity Federation with Office 365.
- Deep technical background on how DirSync and ADFS work.
- Common troubleshooting techniques and gotchas related to deploying Identity Federation with Office 365.

SESSION DESCRIPTIONS BY TRACK, continued

■ CVW10 Unified Communications in Office 365 using Lync Online – Introductory / Intermediate

Mike Pfeiffer
Wednesday, December 12   *1:45pm – 3:00pm*

Lync Online is Microsoft's next-generation cloud communications service that allows you to communicate with co-workers and partners from virtually anywhere. In this session, we'll explore all of the features of Lync Online, which is part of Office 365. You'll get to see live demonstrations of Instant Messaging (IM), audio and video conferencing, and online meetings. You'll also learn about migration and co-existence scenarios between on-premises and cloud deployments of Lync Server.

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

■ CVTH6 Identity and the Microsoft Cloud: Azure, Office 365, and You! – Introductory / Intermediate

Laura Hunter
Thursday, December 13   *9:30am – 10:45am*

In this unique session, come and hear about adopting and implementing the Microsoft Cloud from a seasoned Identity professional who has been working with these technologies first-hand from Day One. We'll begin with an overview and description of the technologies which allow an Identity Management professional to interact with both Windows Azure and Office 365. We'll then walk through a real-life example of integrating Microsoft cloud technologies from the perspective of both the application developer and the infrastructure architect. Along the way, we'll share best practices and tales from the trenches from customers, partners, and Microsoft's own evangelists and internal Identity Management architects.

You will learn:
- Adopting Azure and O365
- Enable Single Sign-On for your cloud applications
- Tales from the trenches in Cloud Adoption

■ CVTH10 Seven Secrets to Building a Successful Application Delivery Infrastructure – Intermediate

George Pradel
Thursday, December 13   *11:00am – 12:15pm*

Most approaches to delivering applications from the cloud involve a greenfield opportunity while ignoring the legacy applications that will remain a part of the organization for a long time to come. This presentation will highlight 7 top secrets to building a great infrastructure by beginning with the end in mind and embracing those legacy applications as they evolve. It will highlight how monitoring the patterns in which your users interact with the applications will help you construct a solid platform to move forward while providing the flexibility to accommodate acquisitions smoothly and seamlessly.

You will learn:
- A proven methodology for analyzing the usage patterns of users before infrastructure build out.
- How to determine whether hosted desktops, web applications, local applications or other delivery methods best fit the needs of those users.
- What's possible with today's technology and how to deliver it.

■ CVTH18 If VDI is the Future, then IDV is the Present – Introductory / Intermediate

J. Peter Bruzzese
Thursday, December 13   *3:00pm – 4:15pm*

Intelligent desktop virtualization is a much better option than VDI for most modern enterprise circumstances. It provides the value of centralized management without the added expense of infrastructure, VDI solutions and so forth that sprawl out of control.

IDV is for the here and now. Company's like Virtual Computer and Wanova offer solutions that work off client-side hypervisors or client apps that are installed on an existing desktop. They work off the existing infrastructure and don't require a whole new set of servers, end-clients and so forth. In this session, learn more about IDV and forget about VDI.

You will learn:
- The value of IDV over VDI
- The different types of IDV solutions that are currently

tops in the market.
• The added value of these IDV solutions in terms of hardware/software inventory, migration and DR support and more

INTEGRATING MOBILE DEVICES AND CONSUMERIZATION WITH CLOUD COMPUTING

Mobile devices and consumerization go hand-in-hand with cloud computing, and meeting tomorrow's end user demands requires experience across both halves. They're also proliferating in our environments at rates faster than we can keep up. What are the best ways to deal with the range of devices we're now asked to support? How best can you meet the security, provisioning, management, and everyday support needs of the new device-friendly network? Prepare yourself for the impending explosion with the expert sessions in this all-important track.

• Extending Applications to Everywhere: Your Guide to Internet-Enabling Remote Desktop Services
• Mobile Devices, Consumerization, and the New Personal Computing Experience: Designing and Delivering your Virtual Workspace
• ConfigMgr 2012 and Windows InTune: Taking Application Management to the Cloud
• From Chaos to Confidence: Overcoming an Environmental Disaster with the Help of VDI
• Developing a Cohesive and Secure BYOD Strategy

■ CVT3 Extending Applications to Everywhere: Your Guide to Internet-Enabling Remote Desktop Services – Intermediate
Greg Shields
Tuesday, December 11   *11:00am – 12:15pm*

With public, private, hybrid, and all the other manifestations clouding up our choices for delivering IT services, you'd think that an "ancient" technology like Terminal Services would be yesterday's news. Here's a tip: TS, now known as Remote Desktop Services, is still a cornerstone of most mature application delivery infrastructures.

Even better, this is a technology you already have. Learn about new ways to use it in this engaging deep dive with Greg Shields of Concentrated Technology. You'll learn the exact steps you can implement immediately to extend your applications' reach to anywhere with an Internet

connection – securely! RDS is an inseparable part of Windows Server. Leave this session recognizing why it should be an inseparable part of your IT service portfolio.

You will learn:
• Making decision decisions about extending RDS apps to the Internet.
• Deploying, configuring, and managing the Remote Desktop Gateway in Windows Server 2008 and 2012.
• Configuring certificates and security policies to support Internet-based applications.

■ CVT7 Mobile Devices, Consumerization, and the New Personal Computing Experience: Designing and Delivering your Virtual Workspace
Simon Bramfitt
Tuesday, December 11   *2:00pm – 3:15pm*

■ CVW7 ConfigMgr 2012 and Windows InTune: Taking Application Management to the Cloud – Intermediate / Advanced
Ron Barrett
Wednesday, December 12   *11:00am – 12:15pm*

This session will address the challenge of providing users with the ability to be productive on any device, anywhere. We will look at how Configuration Manager 2012 and Windows Intunes and Windows Azure to answer that challenge. We will focus on how CM 2012 improves app deployments using state based installations.

This session will look at how Configuration Manager 2012 improves the application delivery model. Then we will look at how CM 2012 can leverage Windows Intunes to move those applications into the cloud. Next we will show how application user targeting can intelligently deploy the appropriate application type using requirement rules within CM 2012. Finally, well focus on how both technologies maximize productivity in the age of Bring your own device.

You will learn:
• Using CM 2012 to intelligently target a user for application deployment.
• Using Windows Intunes to deliver that application to any device.
• Utilizing the Cloud (Windows Azure) to deliver the application anywhere, anytime.

SESSION DESCRIPTIONS BY TRACK, continued

■ CVW11 Developing Mobile Solutions with Azure and Windows Phone – Intermediate / Advanced

Christopher Woodruff
Wednesday, December 12   *1:45pm – 3:00pm*

Mobile applications are the current hot development topics today. Windows Phone applications developed with Azure are designed to be easily reused, simplifying your experience and optimizing your time when building your own phone applications leveraging cloud services. How to architect and build your mobile app with Azure will be explained by Microsoft MVP Chris Woodruff along with best practices to take back to your team and organization.

You will learn:
• Understand the relationship between mobile users of your application and the Cloud with Windows Azure.
• First hand knowledge of designing and implementing a solution for mobility using the Cloud and the key benefits and takeaways for such a solution.
• Development knowledge covering how to code and utilize the Windows Azure platform in your Windows Phone application for robust and stable mobile apps.

■ CVW15 From Chaos to Confidence: Overcoming an Environmental Disaster with the Help of VDI – Intermediate

Ryan Sobel
Wednesday, December 12   *4:00pm – 5:15pm*

When this particular disaster struck hard and fast, hundreds to a thousand federal government workers were deployed to the region to help bring the disaster under control, mitigate damage, and investigate the cause. Overnight, this massive number of responders needed computing resources in command centers and in the field.

With no IT infrastructure in place, the government struggled to roll out physical desktops as quickly as possible, but could not keep up. Workers were purchasing computers on their own, which were not secure, not compliant, and not connected with the agency IT infrastructure.

To speed up the process of deploying desktops and meeting demands, the agency asked Iron Bow to help set up a Virtual Desktop Infrastructure (VDI) solution. This presentation chronicles this deployment and includes a description of:

• Reasons the agency choose a VDI solution
• The problems solved by VDI in this situation
• VDI Implementation strategy
• Implementation challenges that were overcome
• Keys to the project's success
• Expansion of the project scope
• Real results gained through the implementation.

The benefits of VDI have extended well beyond the initial response to the disaster. The agency's IT infrastructure is now flexible and, more importantly, secure and scalable, it has ensured that in the time of need, they can act fast and deploy hundreds and or thousands of desktops out the field in a fast, easy, secure manageable way.

You will learn:
• How virtual desktop deployments play-out in real life scenarios.
• Gain familiarity with the pros and cons of leading virtual desktop solutions, brands, and support solutions.
• Understanding how to tackle the #1 success factor in any virtual desktop deployment: satisfying end users.

■ CVTH7 Using Windows Azure to Build the Next Generation of Mobile Applications – Advanced

Jesus Rodriguez
Thursday, December 13   *9:30am – 10:45am*

Mobile enterprise applications backed by cloud infrastructures are a common trend in today's mobile technology ecosystem. However, with some exceptions, most cloud infrastructures don't provide a great model for enabling traditional mobile computing patterns. The Windows Azure platform is an exception to that rule by providing a unique set of infrastructure components and computing models that can power the next generation of mobile enterprise applications.

This session will explore the capabilities of the Windows Azure platform that can enable sophisticated, highly scalable mobile enterprise applications. The session will illustrate best practices and techniques used in mobile applications to leverage Windows Azure capabilities such as caching, data storage, messaging, computing, identity management and many others. We will showcase these best practices using a series of demonstrations that highlight the use Windows Azure from Windows Phone, IOS, Android and HTML5 applications. Finally, we will

complement the demonstrations with a series of real world case studies that highlight how organizations are leveraging Windows Azure to enable the next generation of enterprise mobile applications.

You will learn:
- Building mobile applications powered by Windows Azure
- Adding, security, storage, messaging and computing to your mobile applications using Windows Azure
- Leverage Windows Azure from your Android, IOs, Windows Phone or JavaScript applications

■ CVTH11 Thin is In! Thin Client Computing in the Cloud Era – Intermediate
John O'Neill Sr.
Thursday, December 13   *11:00am – 12:15pm*

Thin client computing has been around for years, but has become revitalized with the proliferation of the Cloud. New devices and software offerings create the opportunity to leverage old hardware and the Cloud to smash PC refresh cycles and support overhead. This session will provide attendees with the information they need to integrate zero and thin client computing into their private and public cloud strategies. Learn about devices, software, techniques, and tools to make thin client computing a winner in your organization!

You will learn:
- Overview of thin client computing in the cloud era.
- Using the cloud to deploy a zero-client computing infrastructure.
- Where Microsoft's ThinPC can fit in a thin client strategy.
- Tablets as thin clients.
- Examples of thin client and zero client devices

■ CVTH15 Developing a Cohesive and Secure BYOD Strategy – Introductory
John O'Neill Sr.
Thursday, December 13   *1:30pm – 2:45pm*

Today, with a more mobile workforce leveraging powerful devices along with the Cloud, organizations of all types are considering a Bring Your Own Device strategy. Are you considering how one can help your organization? B.Y.O.D. seems to promise the opportunity to increase user productivity, efficiency, and satisfaction. All by allowing the user to use devices they are already familiar with. While this sounds great, the reality is that implementing a successful B.Y.O.D. strategy can be a complex task that if done incorrectly can do more harm than good to the bottom line. Attend this session to gain proven strategies for developing, implementing, and supporting a B.Y.O.D. strategy that will perfectly fit your organization!

You will learn:
- The pros and cons of B.Y.O.D.
- Tips for implementing a strategy that reduces end-user device troubleshooting and support.
- Management and Technology considerations.
- Security in a B.Y.O.D. world.
- Developing a strategy for managing and supporting mobile apps.

■ CVTH19 Mobile Device Management in the Cloud using Windows InTune – Introductory / Intermediate
John O'Neill
Thursday, December 13   *3:00pm – 4:15pm*

Smaller organizations left out in the cold by cloud based mobile device management solutions find themselves there because of either cost, complexity, or both. Microsoft has finally solved this problem and answered the needs of smaller organizations for MDM through the newest version of Windows InTune. This cloud-based product now offers integration with Windows Azure Active Directory along with MDM support for Android, iOS, and Windows phones and tablets. Attend this session to learn from

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mobility expert John O'Neill Sr. how Windows InTune can give you the MDM solution you've been longing for!

You will learn:
• Overview of Windows InTune including what's new in the latest version.
• The basics to any successful MDM deployment.
• Discuss where Windows InTune fits and where it doesn't.
• See a demo of managing a mobile device through Windows InTune.

■ **CVF2 Workshop: Introduction to Threat Management and the Microsoft Unified Access Gateway 2010 – Introductory / Intermediate**
Christopher Whitfield
Friday, December 14   *8:00am – 5:00pm*

Learn the basics of architecting, setting up, and managing a TMG/UAG infrastructure. Identify when you would need TMG, where to put it, and even how to have some of the hard conversations with network and security teams. TMG/UAG are strong tools to have in your arsenal, and they are considered critical for enabling many Microsoft solutions, including Exchange, Lync, and DirectAccess to name just a few.

You will learn:
• Basics of architecting TMG/UAG for high availability and performance
• When, where, and how best to leverage TMG/UAG for enabling Microsoft solutions
• Best practices for not 'shooting yourself in the foot' when configuring TMG/UAG

TACTICS IN CLOUD APPLICATION DEVELOPMENT

Gone are the days where IT professionals debated the cloud's value. Today we're accelerating IT services with the help of cloud services. Flexibility, burstability, elasticity: Get the tactics you need for success in cloud application development by attending the expert sessions in this track. You'll discover the power in Windows Azure, and the new ways in which virtualization, cloud, and

application development are integrating for better IT service delivery.

• HTML5 + Cloud: Reach Everyone, Everywhere
• Architecting Applications for Scale in the Windows Azure Platform
• Introducing Windows Azure Web Sites
• Pushing Data to and from the Cloud with SQL Azure Data Sync
• Windows Azure in the Real World: From Idea to Production in a Few Months

■ **CVM3 Workshop: HTML5 + Cloud: Reach Everyone, Everywhere – Introductory / Intermediate**
Eric D. Boyd
Monday, December 10   *8:00am – 5:00pm*

The web, more and more, is tightly integrated into our daily lifestyles. Our use of the web with social networking and rich media has increased radically over the past few years. Consumerization of sophisticated mobile devices has been one of the major drivers of that rapid growth. But the challenge for developers is the fragmentation of the mobile development ecosystem. Because of this fragmentation, you have to create mobile apps multiple times, with different programming languages and tools. And these mobile applications are different from the applications that target the desktops and browsers.

In this workshop, you will learn how to build modern web applications with HTML5 that users can access across their various platforms and devices. Write one and run everywhere is not a new goal, but it has been a challenging one to achieve. HTML5 is in a great position to be the technology that achieves this goal with standards adoption across vendors, platforms and devices.

When you consider the user experience that is expected of HTML5 applications, it becomes apparent that there are services beyond HTML5, CSS3 and JavaScript that are needed. This is where the Cloud and Windows Azure comes into the picture.

During this workshop, Eric will show you how to get started building modern web applications with HTML5. Eric will also walk through Windows Azure and how to use the Windows Azure Platform to provide the experience that users expect of modern web apps.

You will learn:
- Overview of HTML5 and the supporting technologies
- How to create modern web applications with HTML5
- When and how to utilize the Cloud in your HTML5 apps

■ CVT1 Overview of the Windows Azure Platform – Introductory / Intermediate
Eric D. Boyd
Tuesday, December 11   *11:00am – 12:15pm*

Cloud computing is one of the most significant shifts for our industry in many years. Many technology companies have Cloud solutions, but understanding the offerings can be challenging. This session will help you understand the capabilities and components that make up Microsoft's Windows Azure Platform. We will do a lap around the Windows Azure platform and consider Microsoft's vision, the technology, business considerations and common application scenarios for using Windows Azure. You will leave with a foundational understanding of Windows Azure and practical guidance on when and how to use it.

You will learn:
- Microsoft's vision and strategy for Azure
- Understanding of the Azure Fabric and when to use each component
- How you can get started developing for Azure

■ CVT5 Architecting Applications for Scale in the Windows Azure Platform – Intermediate / Advanced
Eric D. Boyd
Tuesday, December 11   *2:00pm – 3:15pm*

Cloud vendors now make seemingly infinite amounts of computing power accessible to anyone with a credit card. However, to effectively utilize this massive computing power and data storage, your applications need to be designed to scale. In this session, we will examine Brewer's CAP Theorem and contrast it to the ACID principles that have traditionally guided line-of-business applications. Next, we will explore multiple design patterns that help companies achieve massive scale. We will then explore how to apply these patterns when building applications. Finally, we will consider how to utilize the Windows Azure Platform for our highly scalable applications.

You will learn:
- How to architect massively scalable apps
- Differences between massively scalable apps to traditional LOB applications

- Design patterns for highly scalable applications
- Features and capabilities of Windows Azure for scalable applications

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■ CVT9 Overview of Windows Azure Marketplace DataMarket – Intermediate
Eric D. Boyd
Tuesday, December 11   *4:15pm -5:30pm*

Whether it is buying clothing, food, or software, consumers like the simplicity of the one-stop shopping experience. Product producers also benefit greatly by being a part of a community marketplace. These rules of commerce apply to data just as much as physical goods and mobile apps. The Windows Azure Marketplace DataMarket is the marketplace for data set distribution in the cloud. In this session we will explore the benefits of the marketplace and the cloud for distributing data. Next, we will review the features and capabilities of Azure DataMarket. We will then walkthrough subscribing to, consuming and paying for data from Azure DataMarket. And finally, we will explore what this means for data publishers and how you can get data into the Azure DataMarket.

You will learn:
- Benefits of marketplaces and the cloud
- Capabilities of Windows Azure Marketplace DataMarket
- How to consume data from Azure DataMarket

■ CVW1 Introducing Windows Azure Web Sites – Introductory
Brady Gaster
Wednesday, December 12   *9:15am – 10:30am*

Windows Azure Web Sites offers a powerful and flexible high-density hosting model that allows developers to host web applications on Windows Azure using their favorite languages and frameworks such as ASP.NET, Node.js and PHP. Come see how you can deploy web applications to Windows Azure in seconds using WebDeploy, Git, TFS, and FTP. You will see demonstrations on how you can host everything from a blog to a high-scale application using this new and flexible hosting solution in Windows Azure. During this session you'll learn all about Windows Azure Web Sites and what's possible with this powerful addition to the Windows Azure toolset.

You will learn:
- Using the Microsoft Windows Azure portal to create web sites,
- To use Visual Studio 2012 to develop web sites running on Windows Azure Web Sites,

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- To use the Windows Azure portal features to configure, diagnose, and monitor a web site

■ CVW5 Windows Azure Security: What's Already in Place?
Nuno Godinho
Wednesday, December 12   *11:00am – 12:15pm*

Being Security a very important topic in every application, when we think about the Cloud it becomes even more important, because of the type of data we place there, the architecture that is normally used (Multi-Tenant), and even because we all heard about the latest outage problems of some Cloud vendors, and so we need to understand exactly what can we expect when going Windows Azure. And so in the session we'll focus on understanding the Security that is already in place in the Windows Azure Data Centers, and how each of the Thread is handled.

You will learn:
- Understand how Security is handled by the platform.
- Understand how Data Security can be achieved in Windows Azure.
- Understand how Compliance can be achieved using Windows Azure.

■ CVW9 Demystifying Windows Azure Cost Estimation
Nuno Godinho
Wednesday, December 12: 1:45pm – 3:00pm

Recurring feedback we receive from customers is that it's difficult to estimate what they will pay for a specific solution in Windows Azure. In this session we'll look at a very practical and interactive solution using Windows Azure Running Costs Estimation to show the elements we need to take into account, the ones that are important to consider and what isn't that important.

You will learn:
- Windows Azure pricing model.
- Which elements to gather in order to make an estimation.
- How to create an estimation of Windows Azure running costs that doesn't fail.

■ CVW13 Pushing Data to and from the Cloud with SQL Azure Data Sync – Intermediate / Advanced
Christopher Woodruff
Wednesday, December 12   *4:00pm – 5:15pm*

Microsoft SQL Azure Data Sync is a cloud-based data synchronization service built on the Microsoft Sync Framework technologies. It provides bi-directional data synchronization and data management capabilities allowing data to be easily shared across SQL Azure databases across multiple data centers. In this talk Microsoft MVP Chris Woodruff will demonstrate and explain how to set up SQL Azure Data Sync and great tips to have the best experience when synchronizing your data.

You will learn:
- Understand Microsoft Sync Framework
- First hand knowledge of setting up a Data Sync connection between an on-premise SQL Server database and a SQL Azure database using the Azure Management Portal.
- First hand knowledge of setting up a Data Sync connection between an on-premise SQL Server database and a SQL Azure database using custom C# code.

■ CVTH1 Windows Azure in the Real World: From Idea to Production in a Few Months – Advanced
Jesus Rodriguez
Thursday, December 13   *8:00am – 9:15am*

I've been developing, speaking and writing about the Windows Azure platform since its first release. I thought I was an expert on the subject until a few months ago, when I decided to start working on what has become one of the biggest platforms running on Windows Azure. What did I learn? This session will explore the best practices, patterns and techniques that we've learned when building large scale, multi-data center Windows Azure applications in the real world. We will deep dive into some of the traditional patterns of Windows Azure applications such as data storage, messaging, caching, security, monitoring among many others. Additionally, we will cover some of the best practices and tools that you can use to streamline your Windows Azure application development in areas such as testing, continuous deployment, provisioning, etc. To keep things practical, we will provide a series of demonstrations that will clearly illustrate the patterns and techniques covered in this session.

You will learn:
- Patterns and best practices for Windows Azure applications in the real world
- Application development lifecycle and operations techniques used in real world Windows Azure applications

■ CVTH5 Real-Time Communication with SignalR and Windows Azure – Intermediate / Advanced
Brady Gaster
Thursday, December 13   *9:30am – 10:45am*

SignalR is an open source abstraction for persistent HTTP connections that has taken the ASP.NET world by storm. Now a core part of the ASP.NET stack, SignalR offers developers the ability to do real-time communication on the web or in a variety of client situations. This demonstration-loaded talk will introduce SignalR's functionality, then take a deep dive into how SignalR can be used in various forms in Windows Azure to provide for cloud-hosted real-time communication. You'll get started by seeing how to use SignalR's base abstractions to provide realistic functionality to your web sites. A real-world implementation will be covered in an end-to-end scenario written specifically as a Windows Azure Cloud Service. Finally, SignalR's ability to scale via Redis or Windows Azure Service Bus will be demonstrated so that load-balanced sites will have a common backplane.

You will learn:
- SignalR for web applications
- Hosting SignalR, native SignalR pub/sub
- Scaling out SignalR

■ CVTH9 Enhancing Phone and Tablet Apps with Azure Services – Intermediate
Brian Hitney
Thursday, December 13   *11:00am – 12:15pm*

In this session, we'll take a look at how we can leverage the Windows Azure cloud platform to build more effective and compelling application experiences. If you're developing applications, Windows Azure can do much more than host a web presence for your app. Authentication, message queuing, and push notifications are just some of the capabilities that can make applications come to life. We'll look at the latest features and examples available that you can leverage today.

You will learn:
- Learn how to set up an extensible cloud application.

- Simplify development by using the latest examples and templates.

■ CVTH13 Migrating Apps and Workloads to the Cloud with Windows Azure– Intermediate – Michael Washam
Thursday, December 13   *1:30pm – 2:45pm*

Considering moving a Windows or Linux based server app to the public cloud but need to know how to get started? In this session you will learn how Windows Azure can help make this an easy transition using virtual machines, site to site virtual networking and some very useful automation. In addition learn you how can merge concepts from Infrastructure as a Service with Platform as a Service for ultimate flexibility.

You will learn:
- How to provision and manage virtual machines in Windows Azure
- How to connect PaaS style applications to Virtual Machines using a Virtual Network
- How to connect to an on-premises data center for hybrid site-to-site connectivity

MANAGING THE MODERN CLOUD-ENABLED DATACENTER

The job of the IT professional just keeps changing. Managing IT services atop servers you don't own requires new strategies and tactics. You need to understand data ownership, performance management, cost containment, and new security approaches that fit the cloud-friendly datacenter. Develop the skills to effectively manage the modern cloud-enabled datacenter with the sessions you'll find in this track.

- Administering Windows Server 2012 Core with Windows PowerShell: For Cloud and On-Premise Datacenters
- Consolidating Cloud-enabled Datacenters with Windows Failover Clusters
- Private Cloud and Virtualization Implications to Security Policies
- Active Directory Federation Services: What You Need to Know
- Softening the Network: Virtualization, the Final Frontier

SESSION DESCRIPTIONS BY TRACK, continued

■ CVT4 Windows 2012: Seven Must-Know Private Cloud Features – Intermediate

Yung Chou
Tuesday, December 11   *11:00am – 12:15pm*

Windows Server 2012 is designed with cloud computing in mind and in response to particularly building a hybrid cloud which has emerging as the next generation of IT service delivery platform. This presentation demonstrates 7 key technical features natively supported by Windows Server 2012 for strategically establishing a solid foundation for delivering cloud computing solutions with cost-effectiveness and business agility. A focus of this session is to gain technical insights of a hybrid cloud solution in the context of Windows Server 2012.

You will learn:
- Key benefits and deliveries of Windows Server 2012 relevant to cloud computing
- Target scenarios and basic operations of 7 key technical features
- Concepts of a hybrid cloud with Windows Server 2012

■ CVT6 Consolidating Cloud-enabled Datacenters with Windows Failover Clusters – Introductory

Bruce Mackenzie-Low
Tuesday, December 11   *2:00pm – 3:15pm*

Cloud IT infrastructures demand the highest levels of availability under the most diverse workloads. Leverage Windows Failover Clusters to consolidate multiple servers and roles into a highly available configuration, while maintaining the flexibility to handle varying workload demands. Learn about the best practices for optimizing Hyper-V, SQL Server, Exchange, File and Print Servers in a demand-driven clustered environment. Avoid the common pitfalls that can lead to service downtime resulting in lost client revenue. Leave this session with the confidence you'll need to deploy Windows Failover Clusters in your cloud-enabled datacenters.

You will learn:
- About Windows Failover Clusters and how to consolidate your cloud-enabled datacenter.
- Leverage the best practices for installing Hyper-V, SQL, Exchange, File and Print servers in a clustered environment.
- Explore troubleshooting tools and techniques for maintaining Windows Failover Clusters.

■ CVT11 Monitoring and Optimizing Windows Performance in Cloud-based Infrastructures – Intermediate

Bruce Mackenzie-Low
Tuesday, December 11   *4:15pm – 5:30pm*

Ever changing workload demands of cloud-enabled infrastructures require periodic monitoring to ensure the highest levels of performance. Leverage free tools from Microsoft to identify resource bottlenecks and take corrective action before they become a problem. Learn how to use tools such as PAL and XPerf to analyze Perfmon and Event Trace data to pinpoint depleted resources. Stay one step ahead of performance problems by detecting trends in resource usage and configuring additional capacity where needed. Leave this session with the confidence you'll need to tackle the toughest performance problems your clients can dish out.

You will learn:
- About Microsoft's hottest performance diagnostic tools including PAL and XPerf

- Understand how to diagnose, monitor and resolve Windows resource bottlenecks
- Gain deep dive knowledge of monitoring Windows kernel components

■ CVW3 Private Cloud and Virtualization Implications to Security Policies – Introductory / Intermediate

Rick Vanover
Wednesday, December 12   *9:15am – 10:30am*

Virtualization has many benefits for the traditional data-center and IT operations staff. But, how do these changes impact security practices and procedures? What new risks and phenomena are factors for today's virtualized infra-structures? This session will equip IT administrators to implement security practices with virtualization without breaking the budget or adding too much complexity.

You will learn:
- To define and implement different trust zones
- To determine operational security issues that are new to virtualized environments
- Introduce configuration and practice points for adequate separation of duty

■ CVW14 Using Windows Azure to Enable Disaster Recovery Scenarios

Nuno Godinho
Wednesday, December 12   *4:00pm – 5:15pm*

One of the biggest problems we have in an application and its data is the fact that we need it to be able to survive a disaster of any kind, from a Natural Disaster to a Vendor Disaster. In the cloud this is even more important because we need to understand how to prepare ourselves for that, since in some cases we "seem" not to have the same control over the data, and so in this session we'll talk about some of Windows Azure capabilities and features that help us be prepared for Disasters, and also to better prepare our apps and data to survive them.

You will learn:
- Ways to design your solutions enabling Disaster Recovery scenarios to provide higher SLA's for your customers.
- Techniques to have reduced costs but at the same time a very high SLA in your application with Windows Azure.
- How typical Disaster Recovery scenarios are built and the pros and cons of each approach.

■ CVTH2 Lessons Learned in a Small Business Office 365 Migration – Intermediate / Advanced

Don Jones
Thursday, December13   *8:00am – 9:15am*

Well, it's here – "the cloud." Specifically, the "cloud" of software-as-a-service called Office 365. Is it for you? How will you get there? What speed bumps can you expect to encounter? Don Jones, Senior Partner and Principal Technologist for Concentrated Technology, discusses his own company's migration to Office 365 (from "the other cloud e-mail guys"). You'll learn about the decisions they made, the hiccups they encountered, and most importantly whether or not they'd do it again if they had to! Bring your own experiences and questions, and decide for yourself if O365 is going to be the right choice for your organization.

■ CVTH3 Active Directory Federation Services What You Need to Know – Introductory / Intermediate

Laura Hunter
Thursday, December 13   *8:00am – 9:15am*

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

You will learn:
- Features and functions of ADFS
- How to deploy ADFS for your cloud-based applications
- Tales from the trenches

■ CVTH14 Virtualization, Cloud Computing, and Forensics – Intermediate

Greg Kipper
Thursday, December 13   *1:30pm – 2:45pm*

Virtualization, Cloud Computing and Forensics offers an in-depth view into the world of virtualized environments, cloud computing and the implications they have on forensic investigations. The course will explain virtualiza-tion, cloud computing and the different types of environ-

ments you will encounter. The session continues by describing how virtualization impacts the forensic process and concludes by addressing advanced virtualization issues, cloud computing challenges and the future of virtualization and cloud computing.

You will learn:
A clear understanding of virtual environments and the forensic processes associated with them.

A clear understanding of cloud computing, the challenges they present, and methods for conducting incident response and forensic investigation within the Cloud.

The future of virtualization and Cloud computing, to include mobile virtualization, autonomic computing, augmented reality and the emerging "Internet of Things".

■ CVTH17 Softening the Network: Virtualization, the Final Frontier – Intermediate

Steve Riley
Thursday, December 13   *3:00pm – 4:15pm*

Virtualization rules the cloud. No longer do we discuss servers, CPUs, and disks, but instead instances, v-cores, and ephemeral volumes. Software abstractions have already replaced hardware appliances everywhere except the network, so now it's time to get serious about virtualizing that final frontier. The cloud transforms large and dynamically-extensible collections of relatively homogenous compute engines into sophisticated on-demand data processing systems. It's natural to extend this thinking, and replace traditional network hardware devices with sophisti-cated traffic-processing software. In addition, it becomes easier to create a meta-control plane that allows for easier dynamic provisioning and coordination of those software entities. Crucially, it's important to deliver traffic-processing capabilities that can be integrated into the DevOps paradigm, since that's an increasingly important style of delivering applications. Steve Riley, from Riverbed Technology, will highlight many of the advantages that accrue from network virtualization.

You will learn:
• How can the network itself be virtualized?
• What have the obstacles been to doing this to date?
• What innovations have made this possible?

■ CVF1 Workshop: Administering Windows Server 2012 Core with Windows PowerShell

– For Cloud and On-Premise Datacenters – Intermediate / Advanced

Don Jones
Friday, December 14   *8:00am – 5:00pm*

The word is out: Microsoft would like you to stop using the GUI on your server, either locally or via RDP. In fact, other Microsoft products are increasingly positioning the GUI-free "Server Core" installation as their preferred platform. And, as services continue to be pushed into remote data centers (call it "the cloud," if you want), getting console access to the server will becoming increasingly impractical. Agree or disagree with this direction from Microsoft, but don't put your resume in risk by being unprepared for this new administrative model. Join world-renowned PowerShell expert Don Jones for an in-depth look at how to administer Windows Server 2012 entirely from the command-line. He'll start with a freshly-installed Win2012 "Server Core" GUI-free machine and walk through absolutely every step necessary to configure it, add server roles, configure those server roles, and more. Along the way you'll get a foundational education in supporting technologies like PowerShell Remoting, giving you even deeper value. Best of all, none of Don's demos will be pre-scripted or canned: He'll not only be showing you how to accomplish these tasks, but how he teaches himself to accomplish them on the fly. You'll come away learn more than you ever thought possible about PowerShell, about command-line administration, and gain a new confidence that Server Core is the right way to go for an increasing number of scenarios.

CONFERENCE CHAIR

Greg Shields
Cloud & Virtualization Live! Conference Chair,
Concentrated Technology

Greg Shields is a Senior Partner and Principal Technologist with Concentrated Technology. He also serves as a contributing editor and columnist for TechNet Magazine and Redmond Magazine, and is a highly sought-after and top-ranked speaker for live and recorded events. Greg can be found at numerous IT conferences such as Tech Ed, MMS, and VMworld among others, and has served as Conference Chair for 1105 Media's TechMentor Conference since 2005. Greg has been a multiple recipient of both Microsoft "Most Valuable Professional" award as well as VMware's vExpert award.

ADVISORY BOARD

Bruce Hoard
Editor in Chief, Virtualization Review Magazine

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

Keith Ward
Editor in Chief, Visual Studio Magazine

Keith Ward is editor in chief of *Visual Studio 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 before his current role with *Visual Studio Magazine*.

SPEAKERS

Ron Barrett
Technical Architect,
Gotham Technology Group

Ron has 14 years' experience deploying, troubleshooting, and managing applications, security, network infrastructure, and business solutions; and 17 years of management experience in technology, operations, and distribution. A technical author and speaker, Ron has 9 years' experience in print and online media, producing training, sales, and marketing materials, as well as product reviews and commentaries for Microsoft, Network World, QUE, SAMS, Real-Time Publishers, Windows IT Pro, and various other industry publications. Ron's Network World Blog "A Better Windows World" was twice named in the top 200 Tech blogs in 2008 and 2009 Ron has spoken at Tech-Mentor, AICPA Tech+, and CPAmerica conferences. Currently Ron works as a Technical Architect for Gotham Technology Group. Ron's focus is on Virtualization, Unified Communications and the System Center suite with a focus on Configuration Manager 2012 implementations. Ron has deployed Configuration Manager 2012 in PoC and production for over a dozen Gotham clients ranging from a single site with 150 users to a 12 site 9000 user implementation.

Eric D. Boyd
Founder and CEO, responsiveX

Eric D. Boyd is the Founder and CEO of responsiveX (www.responsiveX.com) and a Windows Azure MVP. Eric began his technology career by starting a web development firm in the 90's and has served in multiple roles since including developer, consultant, business owner and technology executive. Today, he helps companies create great web, mobile and client experiences, often powered by cloud services. You can find Eric blogging at http://www.EricD-Boyd.com and on Twitter at http://twitter.com/EricDBoyd.

Simon Bramfitt
Founder and Principal Analyst,
Entelechy Associates

Simon Bramfitt is the founder and principal analyst at Entelechy Associates where he covers application delivery, desktop management and virtualization technologies. He has over 25 years of experience in designing high-availability application delivery and virtualization environments in Europe, the Middle East, and the USA. Prior to founding Entelechy Associates, Mr. Bramfitt covered desktop virtualization at Burton Group and Gartner and was a senior architect at Kaiser Permanente. His experience also includes IT administration, consulting, service delivery and IT management. Mr. Bramfitt blogs at simonbramfitt.com.

J. Peter Bruzzese
ClipTraining

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

Yung Chou
Sr. IT Evangelist,
Microsoft Corporation

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

Cynthia Farren
President, Cynthia Farren Consulting

Cynthia Farren is a recognized leader in the Software Asset Management and Microsoft licensing arenas. Cynthia is a frequent guest speaker at software licensing industry events and is the author of Network World's blog on Microsoft licensing. She is the founder and President of the firm bearing her name. Under her direction, her firm was selected as one of the five consulting firms in the United States to help Microsoft form their current Software Asset Management program for mid-size and enterprise customers. She has been involved in

over 100 Microsoft compliance reviews (performing or responding on behalf of her clients) and has been a Microsoft licensing advisor and Software Asset Management professional for almost 20 years. Additionally, Cynthia is the developer and trainer for the popular Microsoft Licensing Training webinar course. Cynthia is an expert in all Microsoft licensing agreements (including but not limited to Commercial licensing, service provider or hosting, OEM, ISV and the Microsoft Partner Network). Her clients benefit from her broad knowledge and ability to provide creative solutions within the rigidity of the licensing programs.

Brady Gaster
Windows Azure Technical Evangelist, Microsoft

Brady Gaster is a Windows Azure Technical Evangelist with Microsoft who focuses on helping web developers understand the benefits of using Windows Azure to develop and host their web applications and APIs. With a career focus on the .NET Framework and an aspiration to find new and exciting ways to use .NET, Brady has worked as a web developer, service oriented middleware developer, mobile software developer, .NET trainer, and in a variety of industries. His recent interests involve connecting devices like the Kinect, Netduino, and robotics platforms to Windows Azure to demonstrate the powerful combination of physical and cloud computing platforms. He also enjoys finding creative ways to use SignalR, the groundbreaking open-source persistent HTTP abstraction.

Nuno Godinho
Cloud Solution Architect, Aditi Technologies

Nuno Godinho is a Cloud Solution Architect for Aditi Technologies. He's responsible for helping customer to identify, plan, manage and develop software products and solutions in the Cloud, mostly with Windows Azure. The majority of these software products and solutions are mission critical. MVP for the last 5 years, starting with MVP in ASP.NET and this now MVP in Windows Azure with blogs on http://www.pontonetpt.com/blogs/nunogodinho (Portuguese & English) and http://www.msmvps.org/blogs/nunogodinho (English), INETA Country Leader & Leader for several Portuguese communities like PontoNetPT (.NET Development in Portuguese), XAMLPT (Microsoft UX Technologies in Portuguese) and Founder of AzurePT (Windows Azure in Portuguese)

Brian Hitney
*Developer Evangelist , Microsoft*

Brian Hitney is a Developer Evangelist with Microsoft Corporation focused on cloud computing. He frequently delivers presentations and works with local community groups and customers on emerging technologies, .NET, and developer tools. Prior to his Developer Evangelist role, Brian worked as a software engineer on a Windows team in Redmond, and before he joined Microsoft he helped build large scale e-commerce applications for various companies across the United States. Brian is based out of Greensboro, NC.

Laura Hunter
Principal Technology Architect, Microsoft Corporation
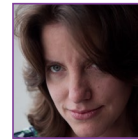
Laura E. Hunter is a Principal Technology Architect for Microsoft IT's Identity & Access Management team, responsible for determining architecture and strategy for Microsoft deployments of Active Directory, ADFS, Identity Management, PKI and RMS. In previous lives, Laura has been an Identity Management consultant, the Active Directory architect for a global engineering firm, and other assorted IT pursuits. Laura has a Bachelor's and Master's degree from the University of Pennsylvania. Laura is the author of the Active Directory Cookbook, 2nd & 3rd Editions, from O'Reilly Publishing, is an unrepentant ADFS technology zealot, and likes to talk about herself in the third person when providing auto-biographical information. She blogs at http://www.shutuplaura.com, and Twitters (tweets? She's not cool enough to know the verb form of Twitter) @ adfskitteh.

Don Jones
Partner and Principal Technologist , Concentrated Technology

With more than fifteen years of IT experience, Don Jones is one of the world's leading experts on the Microsoft business technology platform. He's the author of more than 35 books, including Windows PowerShell: TFM, Windows Administrator's Scripting Toolkit, VBScript WMI and ADSI Unleashed, PHP-Nuke Garage, Special Edition Using Commerce Server 2002, Definitive Guide to SQL

SPEAKERS, continued

Server Performance Optimization, and many more. Don is a top-rated and in-demand speaker and serves on the advisory board for TechMentor. He is an accomplished IT journalist with features and monthly columns in Microsoft TechNet Magazine, Redmond Magazine, and on Web sites such as TechTarget and MCPMag.com. Don is also a multiple-year recipient of Microsoft's prestigious Most Valuable Professional (MVP) Award, and is the Editor-in-Chief for Realtime Publishers.

Greg Kipper
Lead Investigator and Senior Scientist, General Dynamics - Advanced Information Systems

Gregory Kipper has been in the field of I.T. Security and information assurance for 18 years with the last 11 years working in the field of digital forensics and the impacts emerging technologies have on crime and crime fighting. Mr. Kipper has been the keynote speaker at select industry events, a digital forensics instructor as well as a trusted advisor to both the government and commercial sectors. Mr. Kipper is a published author in the field of digital forensics with his works including: "Investigator's Guide to Steganography", "Wireless Crime and Forensic Investigation", "Virtualization and Forensics" and "Augmented Reality".

Scott D. Lowe
Founder and Managing Consultant, The 1610 Group

Scott D. Lowe is an information technology consultant, practitioner, and author with more than 18 years of industry experience, including 10 years as a strategy-focused CIO. He is the author of thousands of technology articles, 3 books and numerous training courses and is a newly minted VMware vExpert and an longtime MCSE. Scott is also the Founder and Managing Consultant of The 1610 Group.

Bruce Mackenzie-Low
Master Consultant, Hewlett-Packard

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

John O'Neill Sr.
Chief Technology Architect, Rodeo Systems

During his 20+ years in the IT industry, John has enjoyed the opportunity to work as a consultant, architect, executive, and author. He has been involved in multi-national networking, messaging, and communications projects as well as finding solutions for small mom and pop shops to use technology to increase business opportunity and decrease operational complexity. John has authored material for Thomson-Reuters' Aspatore Books as well as written articles for Exec Blueprints in recent years. He's also enjoyed contributing to regional newspapers as a technology correspondent and to CompTIA certification programs as a Subject Matter Expert. John is proud to be a multi-year finalist for the NEOSA CIO of the Year Award in 2009 and 2011.

Mike Pfeiffer
Director of Unified Communications, Interface Technical Training

Mike Pfeiffer is the Director of Unified Communications for Interface Technical Training, where his main focus is teaching people how to implement Exchange and Lync Server solutions in the real world. Prior to joining Interface, Mike spent over 12 years working as an enterprise consultant focused on Active Directory and Exchange Server related projects. He is a Microsoft Certified Master on Exchange 2010, a Microsoft Exchange MVP, and the author of the Microsoft Exchange 2010 PowerShell Cookbook. You can find Mike online at mikepfeiffer.net, where he blogs regularly about Exchange-related topics.

Steve Riley
Technical Lead in the Office of the CTO, Riverbed Technology

Steve Riley is Technical Leader in the Office of the CTO at Riverbed Technology. He specializes in enterprise cloud computing architecture and information security. Steve has spoken at hundreds of events around the world, concentrating on performance and security, both on-premise and in cloud. He is co-author of Protect Your Windows Network, contributed a chapter to Auditing Cloud Computing, has published numerous articles, and conducted technical reviews of several data networking and telecommunications books. Before Steve joined Riverbed, he was the cloud security strategist at Amazon Web Services and a security consultant and advisor at Microsoft. Steve is a global moderator of Kubuntu Forums, a support community for Ubuntu's KDE-based distribution. Besides lurking in the Internet's dark alleys and secret passages, he enjoys freely sharing his opinions about the intersection of technology and culture. Contact him at steve.riley@riverbed.com; check out his occasional writings at http://blog.riverbed.com.

Jesus Rodriguez
Chief Architect,
Tellago and Tellago Studios

Jesus is the Chief Architect of Tellago and Tellago Studios. He is also a Microsoft BizTalk Server MVP, an Oracle ACE and one of a few Architects worldwide to be a member of the Microsoft Connected Systems Advisor team. As a member, Jesus has been selected to participate in a variety of Software Design Reviews with

Microsoft's Product Teams including Windows Communication Foundation, Windows Identity Framework, StreamInsight, AppFabric, .NET Software Design, Windows Workflow Foundation, SharePoint, and BizTalk Server. Jesus derived his extensive experience with business process integration and messaging through numerous implementations of disparate systems founded on the principles of SOA and BPM. Jesus is an active contributor to the .NET and J2EE communities and an internationally recognized speaker and author with contributions that include several articles for various publications including MSDN Magazine, Microsoft Architecture Journal, SOAWorld and Web Services Journal as well as speaking engagements at top industry conferences such as Microsoft TechEd, Microsoft DevDays, Microsoft SOA and the Microsoft MVP Summit. Additionally, Jesus has conducted a number of Web Casts on varying SOA technologies. Jesus is a prolific blogger on all subjects related to integration and has a true passion for technology. You can gain valuable insight on leading edge technologies through his blog at http://weblogs.asp.net/gsusx.

Greg Shields
Cloud & Virtualization Live!
Conference Chair,
Concentrated Technology

Greg Shields is a Senior Partner and Principal Technologist with Concentrated Technology. He also serves as a contributing editor and columnist for TechNet Magazine and Redmond Magazine, and is a highly sought-after and top-ranked speaker for live and recorded events. Greg can be found at numerous IT conferences such as Tech Ed, MMS, and VMworld

among others, and has served as Conference Chair for 1105 Media's TechMentor Conference since 2005. Greg has been a multiple recipient of both Microsoft "Most Valuable Professional" award as well as VMware's vExpert award.

Ryan Sobel
Director of Virtualization and Mobility Solutions Practice,
Iron Bow Technologies

Ryan Sobel is an industry expert on virtualization and mobile technologies who currently serves as the Director of Virtualization and Mobility Solutions Practice for Iron Bow Technologies. In this role, Ryan provides the strategy and the technical expertise to develop best practices for customers in both the government and commercial space. Sobel has a proven ability to translate business needs into technology requirements that support the company's business objectives. He has a track record of successfully managing all phases of IT projects from a needs analysis and requirements definition to vendor selection, implementation, and training with strong results. As an expert in his field, Ryan is regularly quoted throughout the trade press, contributes to industry blogs and is featured as a speaker at many popular industry conferences. You can view his latest piece on www.techsource.ironbow.com and www.hightech-highway.com or follow him on Twitter at @ryansobel1.

SPEAKERS, continued

Tyrone Thomas
Enterprise Technology Architect,
Centrix Software

Tyrone has more than 10 years experience designing and implementing enterprise IT infrastructure, with a particular expertise in virtualization, cloud computing and desktop delivery technologies as pertaining to end user computing (EUC). At Centrix Software, he has served as both technology architect and evangelist, playing an integral role in building award-winning workspace analytics solutions and helping customers successfully deliver on EUC transformation projects. Tyrone has also successfully executed the role of Enterprise Technology Architect for a number of organizations independently including Noble Group and Schlumberger Information Solutions (BG Group), being recognized as a trusted advisor and subject matter expert on leveraging application and desktop delivery virtualization technologies, and new compute models such as cloud to mobilize enterprise architecture. Tyrone has presented and keynoted at many industry events and technical workshops, discussing the latest approaches to architecting and implementing application, virtualization and desktop delivery technologies that will meet user requirements and business need.

Rick Vanover
Software Strategy Specialist,
Veeam Software

Rick Vanover (vExpert, VCP, MCITP) is a Software Strategy Specialist for Veeam Software based in Columbus, Ohio. Rick's areas of expertise include virtualization, servers, storage and Windows systems. Read Rick's blogger disclosure here: http://rickvanover. wordpress.com/blogger-disclo-sure-information/

Michael Washam
Senior Technical Evangelist,
Microsoft

Michael Washam – proud husband and father that also gets the opportunity to geek out as a Senior Technical Evangelist for Windows Azure at Microsoft. My focus is on private and public cloud computing, web development and server workloads. I'm based out of Redmond, Washington and when I'm not writing or talking about code I enjoy spending time with my family out of the rain.

Christopher Whitfield
Group Manager, Avanade

Christopher Whitfield is a Principal Consultant for Paranet Solutions and is a Microsoft platform specialist. He has been specializing in Microsoft Technologies for over 14 years focusing on AD, SharePoint, virtualization, and systems management. Chris also holds numerous Microsoft certifications as well as several partner specializations and is an active evangelist for Microsoft technologies, particularly PowerShell. When he's not learning the latest technologies or sharing what he knows, Chris likes to bake and decorate sculpted cakes, engage in amateur woodworking, write songs, spend time with his family, and we believe he sometimes even sleeps a little, maybe.

Christopher Woodruff
Microsoft Cloud Practice Lead,
Perficient, Inc.

Chris Woodruff (or Woody as he is commonly known as) has a degree in Computer Science from Michigan State University's College of Engineering. Woody has been developing and architecting software solutions for almost 15 years and has worked in many different platforms and tools. He is a community leader, helping such events as Day of .NET Ann Arbor, West Michigan Day of .NET and CodeMash. He was also instrumental in bringing the popular Give Camp event to Western Michigan where technology professionals lend their time and development expertise to assist local non-profits. As a speaker and podcaster, Woody has spoken and discussed a variety of topics, including database design and open source. He is a Microsoft MVP in Data Platform Development and was recently recognized as one of the top 20 MVPs world-wide. Woody works at Perficient, Inc. Woody is the co-host of the popular podcast "Deep Fried Bytes" and blogs at www. chriswoodruff.com. He is the President of the West Michigan .NET User Group and also is a co-founder of the software architecture online portal nPlus1.org.

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