



IT EVENTS WITH PERSPECTIVE

December 10-14, 2012
Royal Pacific Resort, Orlando, FL
live360events.com

Cloud & Virtualization **LIVE!**
THE FUTURE OF COMPUTING

SharePoint **LIVE!**
TRAINING FOR COLLABORATION

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

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

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attend just 1 Live! event or all 4 for the same price!



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WHAT IS LIVE! 360?

Live! 360 is a unique conference comprised of four co-located events: Cloud & Virtualization Live!, SharePoint Live!, SQL Server Live! and Visual Studio Live!. These forward-thinking and educational events are geared toward both the IT and Developer community. Incorporating knowledge transfer, networking and leading-edge training, these conferences keep attendees up-to-date on current technologies with a look to the future.

Attendees of any of the Live! events will have unlimited access to all four – mix and match sessions to create a custom conference!

Cloud & Virtualization

THE FUTURE OF COMPUTING

Making Virtual and Cloud Technologies Work for Business

Cloud & Virtualization Live! delivers intelligent training with real-world applicability on today's cloud and virtualization 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. virtlive360.com

SharePoint

TRAINING FOR COLLABORATION

Build. Develop. Implement. Manage.

SharePoint Live! provides leading-edge knowledge and training for SharePoint administrators, developers and planners who must customize, deploy and maintain SharePoint Server and SharePoint Foundation to maximize the business value. splive360.com

SQL Server

TRAINING FOR DBAs AND IT PROS

Building, Developing and Managing SQL Server

SQL Server Live! provides IT professionals, developers, DBAs and analytics specialists — across a breadth of experience and organizations — comprehensive education and knowledge share for SQL Server database management, data warehouse/BI model design, Big Data analytics, performance tuning, troubleshooting and coding against SQL Server. sqllive360.com

Visual Studio

EXPERT SOLUTIONS FOR .NET DEVELOPERS

Code With the Pros

Visual Studio Live! Orlando brings developers, software architects, programmers and designers together to learn from industry experts and Microsoft insiders. Attendees will learn how to maximize the development capabilities of Visual Studio and .NET and SO much more in tracks including Mobile, Web / HTML5, Windows 8 / WinRT and WPF / Silverlight. vslive.com/orlando



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LIVE! 360 CONFERENCE CHAIRS



Andrew Brust
SQL Server Live! and
Visual Studio Live!
Conference Co-Chair
Founder & CEO,
Blue Badge Insights



Dan Holme
SharePoint Live!
Conference Chair
Microsoft
Technologies
Evangelist, Intellim



Don Jones
SQL Server Live!
Conference Co-Chair
Founding Partner,
Concentrated
Technology



Rockford Lhotka
Visual Studio Live!
Co-Chair
CTO, Magenic



Greg Shields
Cloud and
Virtualization Live!
Conference Chair
Senior Partner and
Principal Technologist,
Concentrated
Technology

LIVE! 360 AT-A-GLANCE

Monday, December 10, 2012 – Pre-Conference Workshops

6:30 am - 8:00 am	Registration – Coffee and Morning Pastries
8:00 am - 12:00 pm	Pre-conference Workshops
12:00 pm - 1:00 pm	Lunch
1:00 pm - 5:00 pm	Pre-conference Workshops
5:00 pm - 7:00 pm	EXPO Preview
7:00 pm - 8:00 pm	Live! 360 Keynote

Tuesday, December 11, 2012 – Day 1

7:00 am - 8:00 am	Registration – Coffee and Morning Pastries
8:00 am - 9:00 am	Cloud & Virtualization Live!, SharePoint Live!, SQL Server Live! and Visual Studio Live! Keynotes
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	Conference Sessions
12:15 pm - 2:00 pm	Lunch – Visit the EXPO
2:00 pm - 3:15 pm	Conference Sessions
3:15 pm - 4:15 pm	Networking Break – Visit the EXPO
4:15 pm - 5:30 pm	Conference Sessions
5:30 pm - 7:30 pm	Exhibitor Reception

Wednesday, December 12, 2012 – Day 2

7:00 am - 8:00 am	Registration – Coffee and Morning Pastries
8:00 am - 9:00 am	Cloud & Virtualization Live!, SharePoint Live!, SQL Server Live! and Visual Studio Live! Keynotes
9:15 am - 10:30 am	Conference Sessions
10:30 am - 11:00 am	Networking Break – Visit the EXPO
11:00 am - 12:15 pm	Conference Sessions
12:15 pm - 1:45 pm	Round Table Lunch – Visit the EXPO
1:45 pm - 3:00 pm	Conference Sessions
3:00 pm - 4:00 pm	Networking Break – Visit the EXPO
4:00 pm - 5:15 pm	Conference Sessions

Thursday, December 13, 2012 – Day 3

7:00 am - 8:00 am	Registration – Coffee and Morning Pastries
8:00 am - 12:15 pm	Conference Sessions
12:15 pm - 1:30 pm	Lunch
1:30 pm - 4:15 pm	Conference Sessions
4:30 pm - 5:45 pm	Live! 360 Conference Wrap Up

Friday, December 14, 2012 – Post-Conference Workshops

7:00 am - 8:00 am	Registration – Coffee and Morning Pastries
8:00 am - 12:00 pm	Post-conference Workshops
12:00 pm - 1:00 pm	Lunch
1:00 pm - 5:00 pm	Post-conference Workshops

EVENTS AND ACTIVITIES

Your attendance at Live! 360 is about learning from your peers as well as the experts; make the most of your time with us and add these events and activities to your itinerary!

LIVE! 360 EXHIBITOR RECEPTION

*Tuesday, December 11
5:30 – 7:30 p.m.*

You won't want to miss the 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 Live! 360 Website at www.live360events.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 Live! 360 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 Live! 360 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 Live! 360 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 Live! 360 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 Live! 360 attendees for travel to Orlando International Airport between 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 Live! 360 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

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
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START TIME	END TIME	Cloud & Virtualization Live! Pre-Conference Workshops: Monday, December 10, 2012 (Separate entry fee required)		
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 - <i>Bruce Mackenzie-Low</i>	CVM2 - Workshop: Hyper-V v3 and System Center 2012 Private Cloud Master Class - <i>Greg Shields</i>	CVM3 - Workshop: HTML5 + Cloud: Reach Everyone, Everywhere - <i>Eric D. Boyd</i>
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 - <i>Simon Bramfitt</i>	CVM2 - Workshop: Hyper-V v3 and System Center 2012 Private Cloud Master Class - <i>Greg Shields</i>	CVM3 - Workshop: HTML5 + Cloud: Reach Everyone, Everywhere - <i>Eric D. Boyd</i>
5:00 pm	7:00 pm	EXPO Preview		
7:00 pm	8:00 pm	Live! 360 Keynote		

START TIME	END TIME	Cloud & Virtualization Live! Day 1: Tuesday, December 11, 2012		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
8:00 am	9:00 am	Cloud & Virtualization Live! Keynote - Everything You Think You Know About the Cloud is Wrong - <i>Timor Sea 1</i> <i>Steve Riley, Technical Director, Riverbed Technology</i>		
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 - <i>Eric D. Boyd</i>	CVT2 - Tools and Techniques in Benchmarking the VDI User Experience - <i>Simon Bramfitt</i>	CVT3 - Extending Applications to Everywhere: Your Guide to Internet-Enabling Remote Desktop Services - <i>Greg Shields</i>
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 - <i>Eric D. Boyd</i>	CVT6 - Consolidating Cloud-Enabled Datacenters with Windows Failover Clusters - <i>Bruce Mackenzie-Low</i>	CVT7 - Mobile Devices, Consumerization, and the New Personal Computing Experience: Designing and Delivering your Virtual Workspace - <i>Simon Bramfitt</i>
3:15 pm	4:15 pm	Networking Break • Visit the EXPO		
4:15 pm	5:30 pm	CVT9 - Overview of Windows Azure Marketplace DataMarket - <i>Eric D. Boyd</i>	CVT10 - Citrix Application Deployment Methodologies Roundtable - <i>Greg Shields</i>	CVT11 - Monitoring and Optimizing Windows Performance in Cloud-Based Infrastructures - <i>Bruce Mackenzie-Low</i>
5:30 pm	7:30 pm	Exhibitor Reception		

START TIME	END TIME	Cloud & Virtualization Live! Day 2: Wednesday, December 12, 2012		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
9:15 am	10:30 am	CVW1 - Introducing Windows Azure Web Sites - <i>Brady Gaster</i>	CVW2 - Exchange Hybrid Deployment: Notes from the Field - <i>Mike Pfeiffer</i>	CVW3 - Private Cloud and Virtualization Implications to Security Policies - <i>Rick Vanover</i>
10:30 am	11:00 am	Networking Break • Visit the EXPO		

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

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 - <i>Jesus Rodriguez</i>	CVTH2 - Lessons Learned in a Small Business Office 365 Migration - <i>Don Jones</i>	CVTH3 - Active Directory Federation Services What You Need to Know - <i>Laura Hunter</i>	CVTH4 - Mastering the VMware Virtual Network: From vSphere to vCloud - <i>Scott D. Lowe</i>
9:30 am	10:45 am	CVTH5 - Real-Time Communication with SignalR and Windows Azure - <i>Brady Gaster</i>	CVTH6 - Identity and the Microsoft Cloud: Azure, Office 365, and You! - <i>Laura Hunter</i>	CVTH7 - Using Windows Azure to Build the Next Generation of Mobile Applications - <i>Jesus Rodriguez</i>	CVTH8 - Softening the Network: Virtualization, the Final Frontier - <i>Steve Riley</i>
11:00 am	12:15 pm	CVTH9 - Enhancing Phone Apps with Azure Services - <i>Brian Hitney</i>	CVTH10 - Seven Secrets to Building a Successful Application Delivery Infrastructure - <i>Tyrone Thomas</i>	CVTH11 - Thin is In! Thin Client Computing in the Cloud Era - <i>John O'Neill Sr.</i>	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 - <i>Michael Washam</i>	CVTH14 - Virtualization, Cloud Computing, and Forensics - <i>Greg Kipper</i>	CVTH15 - Developing a Cohesive and Secure BYOD Strategy - <i>John O'Neill Sr.</i>	CVTH16 - The Best Free Tools for vSphere Administration - <i>Scott D. Lowe</i>
3:00 pm	4:15 pm	CVTH17 - To Be Announced	CVTH18 - If VDI is the Future, then IDV is the Present - <i>J. Peter Bruzzese</i>	CVTH19 - Mobile Device Management in the Cloud using Windows InTune - <i>John O'Neill</i>	CVTH20 - Microsoft Licensing for Desktop and Server Virtualization - <i>Cynthia Farren</i>
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 <i>(Separate entry fee required)</i>	
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

CLOUD & VIRTUALIZATION LIVE! 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 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

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 from 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 become 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.

Those tools come from System Center.

SESSION DESCRIPTIONS BY TRACK, continued

And not just pieces of System Center. Being successful with Hyper-V 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 for mission-critical workloads.
- Tips and tricks in implementing Hyper-V + System Center to support Private Cloud goals: Service provisioning, 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 gotchas 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

■ 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 will 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.

A path will be shown that takes enterprise IT from 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

Tyrone Thomas

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. Companies 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, we'll 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.

■ CWF2 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

■ 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,

SESSION DESCRIPTIONS BY TRACK, continued

- 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 infrastructures? 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, December 13

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

■ CVTH8 Softening the Network: Virtualization, the Final Frontier – Intermediate

Steve Riley

Thursday, December 13

9:30am – 10:45am

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 sophisticated 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?

■ 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 virtualization, cloud computing and the different types of environments 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".

■ 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 become 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.



Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	SharePoint and the Cloud	High-Value SharePoint Workloads: BI, BPA, Project, Search, and Social	Developing Solutions for SharePoint 2010 and SharePoint 2013	Information and Content Management: Documents, Records, and Web
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START TIME	END TIME	SharePoint Live! Pre-Conference Workshops: Monday, December 10, 2012 <i>(Separate entry fee required)</i>		
6:30 am	8:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries		
8:00 am	12:00pm	SPM01 - Workshop: Dan Holme's SharePoint MasterClass - Governance - <i>Dan Holme</i>	SPM02 - Workshop: Using SharePoint for Your Internet Site - <i>Ryan McIntyre</i>	SPM03 - Workshop: SharePoint 2013 Developer Boot Camp - <i>Andrew Connell</i>
12:00 pm	1:00 pm	Lunch		
1:00 pm	5:00 pm	SPM01 - Workshop: Dan Holme's SharePoint MasterClass - Governance (continued) - <i>Dan Holme</i>	SPM02 - Workshop: Using SharePoint for Your Internet Site (continued) - <i>Ryan McIntyre</i>	SPM03 - Workshop: SharePoint 2013 Developer Boot Camp (continued) - <i>Andrew Connell</i>
5:00 pm	7:00 pm	EXPO Preview		
7:00 pm	8:00 pm	Live! 360 Keynote: To Be Announced		

START TIME	END TIME	SharePoint Live! Day 1: Tuesday, December 11, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:00 am	SharePoint Live! Keynote: Brave New Hybrid World - What SharePoint 2013 Really Means to You Dan Holme, Microsoft Technologies Evangelist, Intellim			
9:15 am	10:30 am	Live! 360 Keynote: To Be Announced			
10:30 am	11:00 am	Networking Break • Visit the EXPO			
11:00 am	12:15 pm	SPT01 - Everything You Need To Know About SharePoint Social Capabilities - Richard Harbridge	SPT02 - Presenting SharePoint as a Service Back to Your Organization - Jeremy Thake	SPT03 - SharePoint Designer 2010: Wish I Had Known What It Can Do Before I Coded My Solution - Asif Rehmani	SPT04 - Building Your First SharePoint 2013 Application Using Visual Studio 2012 - Darrin Bishop
12:15 pm	2:00 pm	Lunch • Visit the EXPO			
2:00 pm	3:15 pm	SPT05 - The Ultimate SharePoint Infrastructure Best Practices Session - Michael Noel	SPT06 - SharePoint In The Cloud: Evaluating The Impact, Pros, and Cons - Richard Harbridge	SPT07 - Automating Business Processes Using InfoPath 2010 Forms and SharePoint Designer 2010 Workflows - Asif Rehmani	SPT08 - What's New with Workflow in SharePoint 2013 - Andrew Connell
3:15 pm	4:15 pm	Networking Break • Visit the EXPO			
4:15 pm	5:30 pm	SPT09 - Using SQL Server 2012 AlwaysOn Availability Groups for SharePoint Farms - Michael Noel	SPT10 - SharePoint Meet Enterprise Content Management - Chris Riley	SPT11 - What's New in SharePoint Designer 2013 Workflows? - Asif Rehmani	SPT12 - What's New with Web Content Management in SharePoint 2013 - Andrew Connell
5:30 pm	7:30 pm	Exhibitor Reception			

START TIME	END TIME	SharePoint Live! Day 2: Wednesday, December 12, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:00 am	SharePoint Live! Keynote: Keeping SharePoint Connected To Your Other Systems Rob Bogue, SharePoint Shepherd, Thor Projects			
9:15 am	10:30 am	SPW01 - SharePoint Moneyball: The Art of Winning the SharePoint Metrics Game - Susan Hanley	SPW02 - Intranet Design - Michael Doyle	SPW03 - Getting Started with Microsoft Office 365 SharePoint Online Development - Jeremy Thake	SPW04 - Optimizing SQL Server 2008 for SharePoint 2010 - Brian Alderman
10:30 am	11:00 am	Networking Break • Visit the EXPO			

11:00 am	12:15 pm	SPW05 - Seriously, You Expect Me to Change AGAIN? User Adoption in the World of SharePoint 2013 - <i>Susan Hanley</i>	SPW06 - Implementing SharePoint 2013 ECM Solutions - <i>Robert Bogue</i>	SPW07 - Better Together - SharePoint 2013 and Mobile Development - <i>Darrin Bishop</i>	SPW08 - Managing Data Recovery in SharePoint 2010 - <i>Brian Alderman</i>
12:15 pm	1:45 pm	Round Table Lunch • Visit the EXPO			
1:45 pm	3:00 pm	SPW09 - Governing Microsoft SharePoint 2010 in Global Organizations - <i>Bassam Zarkout</i>	SPW10 - Practical Information Architecture in SharePoint 2013 - <i>Robert Bogue</i>	SPW11 - Use 2012 (and Beyond) Technology with SharePoint 2010 - <i>Ryan McIntyre</i>	SPW12 - What's New in Social SharePoint - <i>Michael Doyle</i>
3:00 pm	4:00 pm	Networking Break • Visit the EXPO • Expo Raffle			
4:00 pm	5:15 pm	SPW13 - Designing a SharePoint Program for Ongoing Operational Excellence - <i>Erica Toelle</i>	SPW14 - Yes, Records Management IS Possible in SharePoint! - <i>Ryan McIntyre</i>	SPW15 - Four Steps to Faster, More Efficient SharePoint Deployments - <i>Bob Gilbert</i>	SPW16 - Data Visualization with SharePoint 2013 and SQL Server 2012 - <i>Paul Swider</i>

START TIME	END TIME	SharePoint Live! Day 3: Thursday, December 13, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:15 am	SPTH01 - Migrating File Shares to SharePoint: The Why and How - <i>Mark McGovern</i>	SPTH02 - How to Effectively Plan, Execute and Control SharePoint Projects - <i>Dux Raymond Sy</i>	SPTH03 - Claims Authentication Reboot - <i>Robert Bogue</i>	SPTH04 - Building a New Business Structure Using Office 365 - <i>Paul Swider</i>
9:30 am	10:45 am	SPTH05 - Beyond the Search Center - Application or Solution? - <i>Agnes Molnar</i>	SPTH06 - Acing Application Lifecycle Management in SharePoint - <i>Jeremy Thake</i>	SPTH07 - Wish I'd Have Known That Sooner! SharePoint 2013 Insanity Demystified - <i>Dan Holme</i>	SPTH08 - Creating Document Management Solutions Using Office 365 - <i>Paul Swider</i>
11:00 am	12:15 pm	SPTH09 - Building an Enterprise Search-As-A-Service Solution with SharePoint, FAST and Azure - <i>Ivor Addo</i>	SPTH10 - Developing and Extending Enterprise Content Management Features with SharePoint 2013 - <i>Paul Swider</i>	SPTH11 - Getting Started with PowerShell for SharePoint - <i>Gary Lapointe</i>	SPTH12 - What's New in Branding for SharePoint 2013 - <i>John Ross & Randy Drisgill</i>
12:15 pm	1:30 pm	Lunch			
1:30 pm	2:45 pm	SPTH13 - 10 Things I Like in SharePoint 2013 Search - <i>Agnes Molnar</i>	SPTH14 - Lean-Agile Development with SharePoint - <i>Bill Ayers</i>	SPTH15 - Remote SharePoint Management Using PowerShell - <i>Gary Lapointe</i>	SPTH16 - Branding and Customizing My Sites in SharePoint Server 2010 - <i>John Ross & Randy Drisgill</i>
3:00 pm	4:15 pm	SPTH17 - Fast Track Your Project Management Office (PMO) with Project Online - <i>Dux Raymond Sy</i>	SPTH18 - Apps for Office and SharePoint: Potentially Reach a Billion Users Through the Office Store - <i>Vivek Narasimhan</i>	SPTH19 - ADFS and SharePoint - Together Like Peanut Butter and Jelly - <i>Richard Taylor</i>	SPTH20 - New Office Web Apps Story - <i>Jason Himmelstein</i>
4:30 pm	5:45 pm	Live! 360 Conference Wrap-up			

START TIME	END TIME	SharePoint Live! Post-Conference Workshops: Friday, December 14, 2012 <i>(Separate entry fee required)</i>	
7:00 am	8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries	
8:00 am	12:00 pm	SPF01 - Workshop: Architecting the Optimal Enterprise Search Strategy - <i>Agnes Molnar & Jeff Fried</i>	SPF02 - Workshop: SharePoint 2013 Admin in the Hybrid World - <i>Jason Himmelstein</i>
12:00 pm	1:00 pm	Lunch	
1:00 pm	5:00 pm	SPF01 - Workshop: Architecting the Optimal Enterprise Search Strategy (continued) - <i>Agnes Molnar & Jeff Fried</i>	SPF02 - Workshop: SharePoint 2013 Admin in the Hybrid World (continued) - <i>Jason Himmelstein</i>

Speakers and sessions subject to change

SHAREPOINT LIVE! SESSION DESCRIPTIONS BY TRACK

KEYS TO SHAREPOINT SUCCESS: STRATEGY, GOVERNANCE, ADOPTION

A successful SharePoint implementation requires more than just technical proficiency. It requires a commitment to continuous improvement, service delivery, governance, and management, as well as a fanatical focus on business needs and user adoption. Developers, IT professionals, business leadership, project managers, and users must work cohesively to ensure that SharePoint delivers value and scales to meet new requirements and workloads. These sessions, led by many of the industry's thought leaders, provide invaluable guidance and insight to each of these constituencies, and are, as the track title suggests, critical to your success with SharePoint.

■ SPM01 Workshop: Dan Holme's SharePoint MasterClass – Governance

Dan Holme

Monday, December 10

8:00 a.m. – 5:00 p.m.

Join Dan Holme, global governance thought leader, for a full-day workshop on end-to-end SharePoint governance. Dan Holme is a SharePoint MVP, author of the official Microsoft SharePoint 2010 Training Kit, and one of the most respected SharePoint experts in the industry. He brings to the workshop experience with thousands of organizations worldwide, in every vertical, and every size: from small businesses to most of the Fortune 100 and many of the Global 1000. This workshop has been delivered in sold-out venues on five continents.

Through in-depth discussion of business and service governance, Dan integrates elements of respected management, project and development frameworks, informed by his experience with and lessons learned from enterprises around the world. Dan identifies the critical factors for successful governance, including vision, roles & responsibilities, accountability, measurability, process, and iteration. You come away with messages you can use to understand and communicate the role of SharePoint to your organization, an invaluable framework with which to translate business requirements to SharePoint architecture, tips for avoiding requirement gathering spin-cycles, and

an understanding of the strategic, cultural, technical and procedural components of a successful SharePoint implementation.

Dan will present a one-of-a-kind look at what it takes to architect a governable SharePoint implementation that delivers "big wins" for your business and scales effectively and manageably—in both size and functionality—to support rapid adoption of this powerful platform. While every SharePoint environment is different and serves diverse business needs, Dan will identify the common obstacles, issues and hot topics he has seen in 18 years of experience advising some of the largest enterprises in the world.

As a special bonus, Dan will share with you a vision that integrates out-of-box capabilities of SharePoint and Windows to automate SharePoint management tasks including site provisioning and group management in ways that integrate and implement your governance policies.

- Whether you are a business leader, project manager, end user, IT professional, or solutions architect, you will take away:
- Comprehensive understanding of governance from the strategic to the tactical level, bridging business and technical perspectives
- Awareness of common obstacles, issues, and hot topics
- Preparedness for SharePoint "15" and how it changes the discussion of SharePoint governance and management
- Invaluable guidance that will save your organization days, weeks, or even months of research, debate, and project delays
- Perspective to help you maximize your SharePoint investment and meet your organization's goals
- Tips for breaking through bottlenecks, including Dan's "trademarked" DOUBLE ROI story for SharePoint stakeholders
- Tools with which to guide project management, solutions architecture, and development
- Best practices for architecting a governable SharePoint implementation that scales manageably in both size and functionality
- Eye-opening tips for automating SharePoint management and implementing governance policies with out-of-box tools

Don't miss this opportunity to gain deeper insight, validate your plans and approaches and receive invaluable guidance and tools.

SESSION DESCRIPTIONS BY TRACK, continued

■ SPT02 Presenting SharePoint as a Service Back to Your Organization - Introductory / Intermediate

Jeremy Thake

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

Jeremy will provide an overview of how SharePoint can be presented as a service back to your organization. Based on Jeremy's experiences speaking with large enterprise organizations with multiple workloads inside SharePoint, he'll explain why many organizations have encouraged a distributed management of SharePoint across the business rather than centrally managed by the IT department.

Jeremy will discuss how this distributed management method is achieved while complying to policies agreed upon by the organization's governance committees. Topics such as accountability, restrictions, site lifecycle management, adoption, and return on investment of the service will be highlighted.

You will learn:

- How organizations are presenting SharePoint as a service
- Several of the key services presented to business users
- How organizations are measuring adoption and return on investment

■ SPW01 SharePoint Moneyball: The Art of Winning the SharePoint Metrics Game

Susan Hanley

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

Have you been asked to demonstrate how your SharePoint solution is delivering meaningful value to your organization? If you haven't been asked yet, you probably will be asked soon, especially since with SharePoint 2013, we've got yet another new and improved platform to justify. Even if management isn't asking you today, you should still be prepared. At every stage in the development of your solution, metrics provide a valuable means for focusing attention on desired behaviors and results. This presentation will showcase a practical and realistic framework for SharePoint metrics based on real world examples and successes.

You will learn:

- Suggestions for measurement approaches at all stages of your SharePoint initiative

- Practical approaches to apply to your own SharePoint initiatives
- Real measurement examples that you can re-use to "show me the money!"

■ SPW05 Seriously, You Expect Me to Change AGAIN? User Adoption in the World of SharePoint 2013

Susan Hanley

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

Even with the most well-architected, well-designed SharePoint solution, there is no guarantee that users will be jumping over themselves to use it! And, since you only just convinced your organization to migrate to SharePoint 2010, what do you do now that we've got yet another release of SharePoint to get our users to adopt? SharePoint provides a convenient and personalized way for your employees to find the information and tools they need to be more productive and it's even better now and solves even more business problems. However, as great SharePoint is, it comes with a unique challenge: you often have to convince users to give it a try! Your users have other options for accomplishing many of the tasks SharePoint 2013 enables, even if some of these options are "sub-optimal."

In this presentation, you will learn the key elements of an effective user adoption plan through numerous case studies and fun and engaging examples of how a variety of organizations have successfully deployed their SharePoint solutions.

You will learn:

- Critical elements for user adoption planning
- Best practices for communications plans
- Practical examples of adoption approaches that really work

■ SPW09 Governing Microsoft SharePoint 2010 in Global Organizations – Introductory / Intermediate

Bassam Zarkout

Wednesday, December 12

1:45 p.m. – 3:00 p.m.

Many organizations view SharePoint as an enterprise platform for content applications. Its ease-of-use and simple implementation unlock tremendous collaboration and creativity within organizations. At the same time, they create significant challenges regarding the governance of

site content. These advantages and issues are crucial in global corporations who need to apply multi-jurisdictional (policy differences) Information Governance and Records Management controls over SharePoint without negatively impacting its advantages. This session describes how Information Governance addresses these challenges.

You will learn:

- The challenges of applying Information Governance to SharePoint content in global organizations (the multi-jurisdictional challenge)
- How easy it is to lose the advantages of SharePoint by applying Records Management technologies that lack support for multi-jurisdictional environments
- How modern Information Governance Platforms can address these challenge

■ **SPW13 Designing a SharePoint Program for Ongoing Operational Excellence**

Erica Toelle

Wednesday, December 12

4:00 p.m. – 5:15 p.m.

Even the best SharePoint deployments can run out of steam and fail to achieve their target ROI in the long term. This session will focus on how to design and manage a SharePoint program that continues to build from your initial deployment. Components of a SharePoint Program include road map planning, feature and solution release planning, a support system for Power Users within Business Units, ongoing training, and the creation of a center of excellence to highlight business solutions, to name a few. This SharePoint program framework is designed to support a working relationship between IT and Business Units in order to maximize the value of your SharePoint investment.

You will learn:

- How to have a successful SharePoint implementation that realizes expected ROI and sustains end user adoption goals after launch activities are complete
- How to build a Power User community within Business Units that can create no-code SharePoint Business Solutions
- How to mature your SharePoint platform in order to take advantage of advanced SharePoint capabilities, such as BI dashboards and integration with Line of Business applications

■ **SPTH02 How to Effectively Plan, Execute and Control SharePoint Projects**

Dux Raymond Sy

Thursday, December 13

8:00 a.m. – 9:15 a.m.

Microsoft SharePoint has shifted the paradigm in enterprise information management and team collaboration. By empowering knowledge workers, SharePoint can increase worker productivity, improve business process efficiency and streamline business processes.

In a recent AIIM study, <http://bit.ly/cPTOJg>, lack of planning is a key contributor to SharePoint deployment failure. To deliver successful SharePoint projects, effectively managing SharePoint 2007 and 2010 projects is paramount. Executive support, proper planning, and appropriately managing expectations are crucial to ensure SharePoint success.

In this interactive session, you will learn how to:

- Initiate executive excitement, promote organizational buy-in and foster user adoption
- Develop an effective and practical project management process in deploying SharePoint
- Apply relevant strategies in mapping business processes to identify SharePoint-based solutions
- Identify necessary resources to plan, deploy, maintain and support your SharePoint implementation
- Minimize uncertainty and risk by applying practical scope management techniques

The primary audience for this class are executives, managers, analysts, consultants who wish to properly implement SharePoint and immediately reap its' organizational benefits.

■ **SPTH06 Acing Application Lifecycle Management in SharePoint – Introductory / Intermediate**

Jeremy Thake

Thursday, December 13

9:30 a.m. – 10:45 a.m.

Jeremy Thake will provide the skills you need to successfully implement Application Lifecycle Management in SharePoint. Jeremy will explain the principles of Application Lifecycle Management in SharePoint, discuss the pillars of ALM and their requisite benefits, and present the ALM maturity model to help you evaluate where you stand in your own internal processes.

Jeremy will then take all of the foundational knowledge and apply it to the NothingButSharePoint.com Project ALM approach as a case study, which involves global distributed development teams and designers. Don't miss

SESSION DESCRIPTIONS BY TRACK, continued

a candid discussion around the benefits and challenges to this method, as well as common problems with promoting customizations and solutions from development through to staging and production.

The session is for any SharePoint developers, team leaders, architects, and development managers to understand how to approach ALM with SharePoint, including:

- The true definition of ALM
- Approaches to ALM with SharePoint development
- How to get started as a SharePoint developer, team leader, or solution architect

SHAREPOINT INFRASTRUCTURE MANAGEMENT AND ADMINISTRATION

IT professionals must carefully plan, deploy, configure, and administer the complex stack of technologies that comprise a SharePoint service. From SQL Server to Active Directory to DNS to SharePoint itself, there myriad moving parts challenge even the most intrepid IT pros. Sessions in this track are geared primarily to IT pros and DBAs. First-class speakers will guide you through the nuances of SharePoint 2010 and 2013 infrastructure management and administration, and will equip you to deploy and support SharePoint effectively, with both GUI and PowerShell methodologies.

■ SPT05 The Ultimate SharePoint Infrastructure Best Practices Session – Intermediate / Advanced

Michael Noel

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

There are a myriad number of approaches to design and architecture of SharePoint servers, not all of which are ideal, however. Since the design of a SharePoint environment is subsequently critical to its performance and functionality, it is critical to understand what are the best practices around SharePoint infrastructure design. SharePoint architects need to be aware of the various installation options, how and when to virtualize SharePoint, ways to optimize the SQL Database tier of SharePoint, and how the newest version of SharePoint changes some of these best

practices. This session goes right to the heart of the matter, providing for physical and virtual architecture guidelines and specific configuration settings that can immediately be used to construct best practice SharePoint 2010 environments that are well positioned for a future transition to SharePoint 2013. Real world advice obtained from the presenter's experience designing hundreds of production SharePoint farms is provided, and the installation options are discussed frankly.

You will learn:

- View real world SharePoint deployment models for environments of multiple sizes, including virtualized SharePoint farms
- How the newest version of SharePoint changes some of the previous best practices and learn how to build an existing farm that will integrate well with some of those new concepts
- Get information to be able to build an ideal highly available, high performance and scalable SharePoint 2010 environment that will stand the test of time

■ SPT09 Using SQL Server 2012 AlwaysOn Availability Groups for SharePoint Farms – Intermediate / Advanced

Michael Noel

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

The release of SQL Server 2012 provides for unprecedented high availability and disaster recovery options for SharePoint farms in the form of AlwaysOn Availability Groups, the newest form of Database Mirroring. Using this new technology, SharePoint architects can provide for near-instant failover at the data tier, without the risk of any data loss. This technology, which will be demonstrated live, completely changes the data tier design options for SharePoint 2010 and SharePoint 2013 farms and revolutionizes high availability options for a farm. This session covers in step by step detail the exact configuration required to enable this functionality for a SharePoint 2010 or SharePoint 2013 farm, based on the Best Practices, tips and tricks, and real-world experience of the presenter in deploying this technology in production.

You will learn:

- Understand how SQL 2012 AlwaysOn Availability Groups changes the data tier design options for SharePoint 2010 and how they can be used to significantly improve the high availability and disaster tolerance of a farm.

- Determine the difference between SQL 2012 AlwaysOn Availability Group options and what makes sense for various SharePoint farm scenarios, including remote DR and remote read-only farm options.
- Be able to immediately use the information included in the session to setup SQL 2012 AlwaysOn Availability Groups for a SharePoint environment based on the best practices and step-by-step guidance provided.

■ SPW04 Optimizing SQL Server 2008 for SharePoint 2010 – Advanced

Brian Alderman

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

More than 90% of the content accessed via SharePoint is stored in SQL Server and without the correct configuration of SQL Server it can have a detrimental impact on the performance of SharePoint. Some company's don't have dedicated database administrators (DBAs) so the SharePoint administrators are managing the SQL Server instance that is hosting the SharePoint content. Regardless of whether it is a dedicated DBA or the SharePoint administrator there are critical SQL Server configurations that can be made to that will optimize SharePoint. Often DBAs are familiar with how to manage SQL Server, but may not be familiar with some nuances that SQL Server has when integrated with SharePoint. In this session we will demonstrate how some default settings SQL Server negatively impact SharePoint and what changes can be made that will improve the performance of SharePoint. These changes include database file settings, memory settings, and even file system settings. We'll also examine how to properly install SQL Server and SharePoint so they work together as efficiently as possible. This discussion will introduce the Best Practices framework that will allow your SharePoint administrator and/or your DBA to configure SharePoint and SQL Server to provide optimal performance for your SharePoint implementation.

■ SPW08 Managing Data Recovery in SharePoint 2010 – Advanced

Brian Alderman

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

SharePoint Server 2010 introduces some new content recovery options that provide the SharePoint administrators more granular content recovery options. Using Central Administration you can now export site collections, site, libraries, and list making it easier for us to backup, migrate, or archive content stored in SharePoint. SharePoint 2010 also provides the option of recovering site collections, sites,

list and libraries from content databases that are no longer part of the SharePoint farm. Furthermore, you can now configure your content databases to take advantage of SQL Server mirroring providing a quick recovery of a database that has crashed. With more than 90% of the content accessed via SharePoint being stored in SQL Server it is imperative that you have an easy and efficient way to recover items or entire databases as quickly as possible. This discussion will introduce the Best Practices framework that will allow your SharePoint administrator to configure and utilize SharePoint for quick content recovery which minimizes the downtime and provides shorter yet achievable Service Level Agreements (SLAs).

You will learn:

- How to configure and utilize SharePoint for quick content recovery
- How to minimize downtime
- New content recovery options

■ SPW15 Four Steps to Faster, More Efficient SharePoint Deployments – Intermediate

Bob Gilbert

Wednesday, December 12

4:00 p.m. – 5:15 p.m.

Microsoft SharePoint Server 2010 has proliferated across not only corporate intranets and public facing websites, but also data centers and branch sites, challenging ITs ability to manage deployments and ensure performance and availability. This session guides IT administrators through four steps that simplify management and provide users faster, better access.

These include:

1. Identifying what is on your SharePoint network, including who is using what;
2. Centralizing and consolidating SharePoint Server farms;
3. Managing traffic spikes; and 4) expediting page loading.

Bob will first examine how network performance management technologies can assist with building a map of all systems, server and client dependencies and locations to achieve an accurate picture of your SharePoint landscape. Next, he'll discuss leveraging data deduplication, TCP protocol optimization, data streaming, prioritization and QoS to speed SharePoint operations by up to 30X and reduce bandwidth utilization by up to 99%. The third step addresses the issue of server availability and how application delivery controllers can meet the need for greater throughput from the SharePoint server farm. Finally, the content on SharePoint web pages can be tuned—resulting in up to 76% reduction in load times and up to 43% less traffic.

SESSION DESCRIPTIONS BY TRACK, continued

You will learn:

- Why it's essential to understand system and application dependencies prior to SharePoint deployments
- How application "chattiness" can slow SharePoint performance over long distances
- How a holistic approach to performance and availability can deliver the benefits of centralization (from a management perspective) while delivering fast access for end users

■ SPTH03 Claims Authentication Reboot - Intermediate / Advanced

Robert Bogue

Thursday, December 13

8:00 a.m. – 9:15 a.m.

Claims authentication in SharePoint 2010 allowed non-domain users to authenticate to SharePoint and use services. That was just the beginning. Join us for this session on how claims have changed and been improved so that we can support more scenarios and how the claims story on the platform has changed.

You will learn:

- Why you should consider claims for your next SharePoint application
- How you can leverage claims to solve authentication problems
- How your application should act on user provided information

■ SPTH07 Wish I'd Have Known That Sooner! SharePoint 2013 Insanity Demystified

Dan Holme

Thursday, December 13

9:30 a.m. – 10:45 a.m.

After years of helping organizations around the world to deploy and implement SharePoint, Dan Holme has found that there are certain pain points that almost everyone encounters. Some are confusing concepts. Some are unfortunate decisions made based on misunderstanding Microsoft's UI or documentation. Some are due to unnecessarily complex terminology. And some because there are things we might think that SharePoint should do, but can't. In this session, Dan will share the most common and problematic scenarios, and their solutions, with the goal of saving you pain, time, and money. Think of this session as "Lessons Learned," "Best Practices," or "From the Field" on steroids. Whether you're new to SharePoint or a seasoned veteran, in this grab-bag session there will be treasures for you!

■ SPTH11 Getting Started with PowerShell for SharePoint – Introductory

Gary Lapointe

Thursday, December 13

11:00 a.m. – 12:15 p.m.

This session will provide an introduction to PowerShell and how to use it with SharePoint 2010 and 2013. We'll cover basic PowerShell syntax, discovery, and scripting as well as new features introduced with PowerShell v3 and SharePoint 2013. Throughout the session we'll be walking through real-world scripts and scenarios to help you understand not just how to use PowerShell but why you would use it.

You will learn:

- Learn the basic syntax of PowerShell
- Understand how to find what you're looking for
- Learn how to create simple PowerShell scripts
- Discover what's new with PowerShell v3 and SharePoint 2013

■ SPTH15 Remote SharePoint Management Using PowerShell – Advanced

Gary Lapointe

Thursday, December 13

1:30 a.m. – 2:45 p.m.

This session will explore the SharePoint Online Management Shell and provide real-world examples of how to manage an Office 365 SharePoint environment using PowerShell 3.0 and the new Microsoft.Online.SharePoint.PowerShell Module. Additionally, we will cover how to use PowerShell remoting to connect to your on-premises SharePoint 2010 or 2013 environment.

You will learn:

- Explore what is available within the SharePoint Online Management Shell
- Learn how to execute cmdlets against Office 365
- Understand PowerShell Remoting and how to connect to your on-premise environment

■ SPTH19 ADFS and SharePoint – Together Like Peanut Butter and Jelly – Intermediate / Advanced

Richard Taylor

Thursday, December 13

3:00 p.m. – 4:15 p.m.

Configuring Federation for SharePoint can be challenging, especially if you have numerous partner organizations

involved. Claims-based authentication provides you with the ability to authenticate across multiple platforms. Come to this session and learn how ADFS and SharePoint come together in order to support federation.

Attendees will understand how to configure ADFS, implement Claims Based Authentication, and use Public Key Infrastructure practices to accomplish federation between partner organizations.

You will learn:

- The Claims Based Authentication model
- How Federation works in SharePoint
- The role of ADFS in Federation

■ SPF02 Workshop: SharePoint 2013 Admin in the Hybrid World – Introductory / Intermediate

Jason Himmelstein

Friday, December 14

8:00 a.m. – 5:00 p.m.

Microsoft's massive investment into Cloud technologies are enough to make anyone stop and wonder if the Cloud is something they should be focusing on for SharePoint. During this full day workshop we will examine Microsoft's Cloud Strategy from an ITPro's perspective and understand how a hybrid scenario can be structured to maximize the On Premises, Infrastructure as a Service, & Cloud capabilities. We will deep dive into deployment planning and implementation across the hybrid stack. We will also discuss and demonstrate the management of the SharePoint platform across all tiers. Join us on this journey from the ground to the cloud and back again!

SHAREPOINT AND THE CLOUD

There's no doubt that "the cloud" will play a role in one, more, or all SharePoint workloads in your enterprise's future. "The cloud," though, is appropriately nebulous: it's online, in public forms like Office 365 and in private, dedicated offerings. It's onsite, in clouds provided by third parties, and in your own, on-premise datacenters. It's crucial that you understand the variety of options available in "the cloud," so that you can align your business needs with the best solution. And you must understand how SharePoint 2010 and, especially, SharePoint 2013 are architected to scale efficiently to the cloud. As an IT pro, you must be able to configure SharePoint in the cloud, and as a developer, you must adapt to

the new APIs and models of development in Office 365 and Azure. Join the elite presenters for invaluable, first-hand guidance and insight.

■ SPT06 SharePoint In The Cloud: Evaluating The Impact, Pros, and Cons

Richard Harbridge

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

Microsoft has unleashed their cloud strategy and Office 365 is now publically available. What does this mean for organizations using SharePoint today? How can organizations leverage the Microsoft cloud effectively with their SharePoint implementations and future SharePoint Strategies?

In the marketplace, information on SharePoint 'and the cloud' abounds. Much of this information is fluffy, 'cloud-like' marketing material, or does not clearly explain how businesses can practically leverage "Cloud" technology with SharePoint. Join Richard as he discusses the practical application of Microsoft's cloud technology and SharePoint, when it has brought measurable benefit to organizations, and when to avoid it.

Geared toward companies struggling with understanding what SharePoint in the Cloud really is, those that have not yet implemented SharePoint 2010 and those looking to migrate.

This session will cover:

- Implementing SharePoint in the Cloud
- Differences between Hosted and In house solution
- Cost
- Features lost/gained
- Finding the Right Hosting Provider
- Drawbacks and Integration Issue

■ SPTH04 Building a New Business Structure Using Office 365 – Introductory

Paul Swider

Thursday, December 13

8:00 a.m. – 9:15 a.m.

Increasingly, people are looking to build business infrastructure using cloud based platforms. In this session you will learn how you can use Office 365 to start and run a new company. You will learn about the registration process, online web presence, managing corporate data and your domain. The topics will be relevant to those starting a one person consulting company in addition to companies which need to support complex business process for larger teams.

SESSION DESCRIPTIONS BY TRACK, continued

You will learn:

- To setup Office 365 for your new business
- See real world use cases for Office 365 and business
- How Office 365 can help a new business get online quickly

■ SPTH08 Creating Document Management Solutions Using Office 365 – Introductory / Intermediate

Paul Swider

Thursday, December 13

9:30 a.m. – 10:45 a.m.

Do you know how to fully leverage the rich set of tools Office 365 provides for building document management solutions? Would you like to learn how to integrate Windows Phone with your document management solution? Lists, web parts and Features can be used to extend the functionality and create customized document management solutions. In this session you will learn how to add rich document management functionality and mobile support to your Office 365 sites.

You will learn:

- Understand the document management features available in Office 365
- Learn real world use cases of workflows in Office 365
- Learn to use the integration features of lists and libraries with mobile devices

INFORMATION AND CONTENT MANAGEMENT: DOCUMENTS, RECORDS, AND WEB

At the heart of any SharePoint service is content: content in the form of collaborative documents, records, lists, and web pages. SharePoint provides myriad features to ensure that content is managed securely and efficiently through its lifecycle, and that content is usable and findable by users. Sessions in this track focus on collaboration, information architecture and information management from business, IT pro, and developer perspectives.

■ SPT10 SharePoint Meet Enterprise Content Management – Intermediate

Chris Riley

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

Only recently was SharePoint accepted in the ECM space. This session explores WHY SharePoint 2010 is now accepted as an ECM solution and what the impact of SharePoint 2010 has been on the ECM space. We will explore the language barrier, information architecture and planning considerations. Focus will be put on the features Document Sets, Content Organization, Content Type Publishing, Information Management Policies, In-Place Records Management, Audits, and eDiscovery. Discuss some best practices when using SharePoint as ECM, and view a few demos.

You will learn:

- Complete understanding of what ECM is
- Ability to talk the ECM talk
- High level strategy for ECM in SharePoint

■ SPW02 Intranet Design

Michael Doyle

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

This session will cover the best practices of designing an intranet. The company intranet is something that people use every single day but something that is also overlooked by many companies. It is time to take a look at this cornerstone piece of most organizations. We will look at how to improve the day to day experience of the end user as well as how the new features of SharePoint can enhance this experience. It is time to elevate the Intranet to a tool that empowers the end user and enables them to function more effectively.

You will learn:

- Best practices for the Intranet
- Features of SharePoint that can enhance the intranet
- New features of the latest release of SharePoint that can improve the intranet

■ SPW06 Implementing SharePoint 2013 ECM Solutions – Introductory / Intermediate

Robert Bogue

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

Though born as a document management solution in 2001, most organizations haven't tapped the document management and Enterprise Content Management (ECM) features in SharePoint. In this session we'll walk through some of SharePoint 2013's more powerful ECM features.

You will learn:

- To decide when to use SharePoint as your ECM platform (or one of them)
- Techniques for improving metadata entry
- Techniques for providing flexible access

■ **SPW10 Practical Information Architecture in SharePoint 2013 - Introductory / Intermediate**

Robert Bogue

Wednesday, December 12

1:45 p.m. – 3:00 p.m.

Here there will be no fancy words (that aren't made fun of) and no complex mathematical models. In this session you'll learn to take the content types, site columns, and navigation options and assemble them into an information architecture that your organization can actually use. Learn how Managed Metadata Services can help you ensure consistency while location-based default metadata can help to drive metadata entry. This session will be information architecture you can do.

You will learn:

- How you can do Information Architecture
- How to get a taxonomy built
- How to make content findable

■ **SPW14 Yes, Records Management IS Possible in SharePoint! – Introductory / Intermediate**

Ryan McIntyre

Wednesday, December 12

4:00 p.m. – 5:15 p.m.

With its roots in document management and collaboration, SharePoint has always had a need for records management. Version after version, SharePoint has increased its capabilities in this area to the point where SharePoint 2010 has a viable records management story. Come learn about these new features, see how to implement them, and hear about real success stories.

You will learn:

- An understanding of how to use SharePoint 2010 for a records management platform
- An understanding of where SharePoint 2010 excels in

- records management and where the gaps are
- Best practices for rolling out 2010 as a RM solution

■ **SPTH01 Migrating File Shares to SharePoint: The Why and How - Introductory / Intermediate**

Mark McGovern

Thursday, December 13

8:00 a.m. – 9:15 a.m.

Many organizations are migrating legacy file shares into SharePoint. This session is for anyone who wants to leverage the power of SharePoint to increase document collaboration and improve business processes. Moving files into SharePoint can quickly drive user adoption of your SharePoint investment. The session starts with an interactive discussion of the many business benefits of using SharePoint instead of a file share. The session then explores all of the planning decisions that you must address to make your file share migration project a success. Rounding out the discussion will be a look at the various options available to migrate the documents into SharePoint. Topics include: People, Process, Meta-Data, Folders, Technology, Compliance, and other Common Issues. Packed with real world examples and demos, this session is a must for anyone who is considering migrating file shares into SharePoint.

You will learn:

- The Benefits of SharePoint over a File Share
- The different ways to migrate and the pros and cons of each method
- Planning Considerations for a file share migration

■ **SPTH20 New Office Web Apps Story - Intermediate**

Jason Himmelstein

Thursday, December 13

3:00 p.m. – 4:15 p.m.

Office Web Applications have always been a feature that only Microsoft's EA customers could enjoy and existed in a SharePoint resident only way. With Wave 15 OWA moves out of the shadows and into the spotlight! Come join us and hear about the re-imaged Office Web Applications and how they can change the way that your company collaborates. We will dive into the topology, design, new use cases, scalability concerns, management strategies, and interplay across the Microsoft stack that the new version brings to the table.

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HIGH-VALUE SHAREPOINT WORKLOADS: BI, BPA, PROJECT, SEARCH, AND SOCIAL

SharePoint is more than just an application for collaboration: it is a platform on which business intelligence and business process automation can be built; and it enables users to find content, people, and answers through both traditional, search-based approaches as well as through modern social behavioral approaches. These high-value workloads require careful planning, architecture, and implementation. Join the best and brightest experts in the industry to learn just how to build BI, BPA, search, and enterprise social solutions with SharePoint 2010 and SharePoint 2013.

■ SPT01 Everything You Need To Know About SharePoint Social Capabilities

Richard Harbridge

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

SharePoint is used as an enterprise collaboration platform in almost every organization, yet many organizations are still in the process of deciding why and when they should implement some of the new SharePoint 2010 social capabilities. While many organizations understand the benefits social technology can provide it's not clear how SharePoint measures up against other social technologies, and perhaps more importantly what the true benefits social capabilities in SharePoint provide to real business scenarios.

Join Richard Harbridge as he provides an objective overview of what works well, and what works poorly in SharePoint 2010 and how it can help your SharePoint implementation be more successful.

You will learn:

- Strengths and weaknesses of SharePoint's native social capability and how you can tackle those weaknesses
- Real world risks that SharePoint social capabilities can introduce and how to tackle them
- How to begin planning a social strategy and roll out with SharePoint

■ SPT03 SharePoint Designer 2010: Wish I Had Known What it Can Do Before I Coded

My Solution – Intermediate

Asif Rehmani

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

When developers find out what SharePoint Designer 2010 can do in a fraction of time as opposed to Visual Studio, they are often very surprised. This session is targeted towards developers who want to explore the many facets of SharePoint Designer 2010 and see how it can make their life a lot easier. It covers the best practices of everything from how to create powerful workflows to fetching data from all sorts of repositories like databases, web services, server side scripts, RSS feeds and more. Come to this session first before you start coding your solution!

You will learn:

- How SharePoint Designer 2010 fits into the big picture when it comes to 'developing' for SharePoint 2010
- Automate business processes using powerful SharePoint Designer 2010 Workflows
- Access and present line of business data using Data Views in SharePoint Designer 2010

■ SPT07 Automating Business Processes Using InfoPath 2010 Forms and SharePoint Designer 2010 Workflows - Intermediate / Advanced

Asif Rehmani

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

Forms and Workflows are essential to business processes. Companies usually rely on programmers to create the forms and workflows using code. Not any more! If you have access to Microsoft InfoPath 2010 and Microsoft SharePoint Designer 2010, you can create powerful data driven form solutions on your SharePoint sites. InfoPath gives you the ability to pull data from databases and lists, and create forms with data validation and conditional formatting. SharePoint Designer's workflows let you then design powerful multi-step workflows centered around the form collected data. In this presentation, you see how to design a robust form using InfoPath and then design a workflow using SharePoint Designer to route this form appropriately.

You will learn:

- Utilizing various types Of SharePoint Designer 2010 Workflows: Site, List, & Reusable
- Modeling A Workflow With Visio 2010 Premium
- Customizing Workflow Input Forms with InfoPath 2010

■ SPT11 What's New in SharePoint Designer 2013 Workflows? – Introductory / Intermediate

Asif Rehmani

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

Come learn what you can accomplish by creating Workflows in SharePoint Designer 2013. This session will demonstrate the exciting opportunities to automate your business processes with SharePoint 2013 Workflows without using a single line of code!

You will learn:

- About the exciting possibilities in SharePoint 2013 Workflows
- Automate business processes with SharePoint Designer 2013 No-Code Workflows
- Understand how to visualize your workflow processes

■ SPW12 What's New in Social SharePoint

Michael Doyle

Wednesday, December 12

1:45 p.m. – 3:00 p.m.

We will cover what is new with social computing in the upcoming release of SharePoint. This will cover all a wide variety of topics related to how these will affect you. My Sites, Tags, Notes, and more will be covered in detail. There will also be considerable emphasis on how the changes will affect you during your upgrade. We will touch on features, architecture, usability, and programming concerns. There will also be some time spent on how to customize the new features. Finally, we will talk about Yammer (recently acquired by Microsoft) and what role if any it will play in your social feature implementation.

You will learn:

- Overview of new social features in SharePoint
- How the social features will affect the upgrade
- How to customize some of the new features

■ SPW16 Data Visualization with SharePoint 2013 and SQL Server 2012 – Intermediate / Advanced

Paul Swider

Wednesday, December 12

4:00 p.m. – 5:15 p.m.

One key factor driving the self-service BI market is the growing volume and complexity of data. As a result, enterprises will adopt new interactive reporting tools designed to put more data analytics capabilities into the hands of business users. In this session you will learn what

self-service reporting tools are available in SharePoint and how they can be used to create business solutions to visualize and navigate data. Learn how to meet your business needs and discover best practices implementing data visualizations.

You will learn:

- Best practices when implementing data visualization technology
- Understand capabilities of Reporting Services and SharePoint
- Create dashboards using data from LOB systems outside of SharePoint

■ SPTH05 Beyond the Search Center – Application or Solution?

Agnes Molnar

Thursday, December 13

9:30 a.m. – 10:45 a.m.

SharePoint 2010 Enterprise Search, especially with the features of the integrated FAST Search is better and more powerful than ever before. In this session, Agnes will demonstrate how Search Services really work, why crawled and managed properties are so important to care about, how you can create the most effective Search Solutions, and how you can build a bridge across content silos and provide familiar, ergonomic, and an easy user experience. She will demonstrate tools and techniques for customization, and demonstrate configuration and coding to tailor search. She will also show how applications with Enterprise Search and SharePoint provides a quicker path, and results in applications which can be easily tailored by organizations without writing any additional code.

You will learn:

- Enterprise Search vs. Search Based Applications (SBA)
- Customization vs. Development
- SBA Tricks and Best Practices

■ SPTH09 Building an Enterprise Search-As-A-Service Solution with SharePoint, FAST and Azure

Ivor Addo

Thursday, December 13

11:00 a.m. – 12:15 p.m.

Have you thought about enabling a scenario that surfaces content stored on both SharePoint Online/O365 and your on-Premise deployments? This session showcases scenarios for running a multi-machine fault-tolerant SharePoint Farm hosted on Microsoft's Windows Azure cloud hosting Infrastructure-as-a-Service (IaaS) solution. The discussion

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will touch on how to leverage virtual machines (VHDs) to quickly deploy a SharePoint instance in the cloud as well as what it takes to build rich search experience capabilities in a Search-as-a-Service ("SeaaS") solution. Some of the technologies at play in the accompanying demo will include, FAST Search, SharePoint, Windows Azure and more.

■ SPTH13 10 Things I Like in SharePoint 2013 Search

Agnes Molnar

Thursday, December 13

1:30 p.m. – 2:45 p.m.

Based on my SharePoint and FAST Search experience, I'll demonstrate my "Research Path" on SharePoint 2013 Search. What's new, what improvements we can find there as well as how to use our existing Search knowledge and experience in SharePoint 2013 Search.

You will learn:

- Config options in SharePoint 2013 Search—Central Admin vs. PowerShell
- Crawled and Managed Properties across Content Sources
- Ranking and Relevancy

■ SPTH17 Fast Track Your Project Management Office (PMO) with Project Online

Dux Raymond Sy

Thursday, December 13

3:00 p.m. – 4:15 p.m.

In today's fast-paced, project-centric work environment, the ability to coordinate multiple projects with distributed teams, and making high-level strategic decisions based upon consolidated project progress, risk and resource usage information is critical. Microsoft Project Online is a cloud-based, enterprise-wide solution designed to fast track your project management office to meet these challenges.

Join SharePoint MVP Dux Raymond Sy as they show you practical steps on how you can easily build an enterprise project management (EPM) solution based on Microsoft Project Online.

In this interactive SharePoint Conference 2012 session, you'll learn how to:

- Create enterprise projects with Microsoft Project 2013
- Manage and optimize enterprise resources across various projects
- Facilitate effective collaboration with SharePoint, Lync

and Microsoft Office 2013

- Access real-time project information with mobile devices
- Monitor and analyze enterprise project performance with dashboards and relevant reports

■ SPF01 Workshop: Architecting the Optimal Enterprise Search Strategy

Agnes Molnar & Jeff Fried

Friday, December 14

8:00 a.m. – 5:00 p.m.

This workshop will focus on the Search capabilities of both SharePoint 2010 and SharePoint 2013. I'll demonstrate how to create a Corporate Search Strategy as well as what elements you have to identify and plan for. After this, I'll demonstrate each of these elements and put them into a practical context. During this workshop, attendees will get deep-dive information about the key elements of Search, like Content Sources, Scopes, Crawled and Managed Properties, Cross-Content Source Configuration, Ranking Models and Relevancy, PowerShell, PipeLine Extension, etc.

You will learn:

- Deep-dive Search insights
- Content Sources, Scopes, Crawled and Managed Properties, Cross-Content Source Configuration, Ranking Models and Relevancy, PowerShell, PipeLine Extension, etc.
- Search Based Applications and User Experience

DEVELOPING SOLUTIONS FOR SHAREPOINT 2010 AND SHAREPOINT 2013

This track is "for developers only," with sessions that focus on tools and methodologies for development in SharePoint 2010 and SharePoint 2013, and what's new in SharePoint 2013 and Office 365. But developers will find high-value sessions throughout the tracks of SharePoint Live!, where solution-specific development sessions are listed.

■ SPM03 Workshop: SharePoint 2013 Developer Boot Camp – Intermediate

Andrew Connell

Monday, December 10

8:00 a.m. – 5:00 p.m.

In this full-day pre-conference session you'll learn everything there is to know about what's new, improved & changed that for developers need to know in the most recent release of SharePoint, SharePoint 2013. We'll explore what's new with the developer tools in Visual Studio 2012 & SharePoint Designer 2012 as well as the options available for customization. These include traditional solutions as well as the new SharePoint App Model. We'll also explore improvements to the new APIs in the Client Side Object Model (CSOM) & REST and things that support the new app model such as OAuth, S2S and Remote Event Receivers. In addition we'll also cover the significant changes to the workflow architecture and how to build custom workflows using both SharePoint Designer 2012 and Visual Studio 2012. Finally we'll look at what's new with respect to Business Connectivity Services (BCS) and discuss some of the major changes to things like Web Content Management, Enterprise Content Management & Search.

You will learn:

- How to extend SharePoint 2013 with the new SharePoint App Model
- What's new and how to build workflows with the new Windows Azure Workflow architecture in SharePoint 2013
- What's new and how to create custom solutions with Business Connectivity Services (BCS)
- How to develop with taxonomies in SharePoint using the new taxonomy services in SharePoint 2013

■ SPT04 Building Your First SharePoint 2013 Application Using Visual Studio 2012

Darrin Bishop

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

SharePoint 2013 includes the new development paradigm SharePoint Applications. This new SharePoint development model allows a cleaner separation of SharePoint and custom application logic. The new application development model leverages SharePoint and Azure. In this session we will do an end to end coverage of developing and deploying a SharePoint 2013 application using Visual Studio 2012 and Azure.

■ SPT08 What's New with Workflow in SharePoint 2013 – Intermediate / Advanced

Andrew Connell

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

In this session we'll explore what's new with workflow in SharePoint 2013 from an architecture, capability & development perspective. You'll learn how the SharePoint

2013 now relies on Windows Azure Workflow, both on-premise and in the cloud, top provide a much more reliable and scalable workflow platform. We'll explore new capabilities such as loops, web service calls and the new DynamicValue data type. Finally you will see what improvements have been made to the workflow authoring tools, SharePoint Designer 2013 & Visual Studio 2012.

You will learn:

- The architecture of workflow in SharePoint 2013
- Capabilities of workflow in SharePoint 2013
- How to create workflows in SharePoint 2013

■ SPT12 What's New with Web Content Management in SharePoint 2013

Andrew Connell

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

In this session we'll explore what's new and improved with Web Content Management (WCM) in SharePoint 2013. Search now plays a significant role in WCM sites. You'll learn how to create content the traditional, structured authoring way, as well as using the new approach with content catalogs and rollup pages. In addition you will see how to use the new Content by Search Web Part along with Display Templates to create custom interfaces, explore what's new with search engine optimization and finally how to use managed metadata to drive your navigation.

■ SPW03 Getting Started with Microsoft Office 365 SharePoint Online Development – Introductory

Jeremy Thake

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

Jeremy Thake, SharePoint MVP and Enterprise Architect at AvePoint, will provide a primer on how to properly begin SharePoint 2010 (and future versions) Online development. Jeremy will discuss the different approaches to customizing your SharePoint sites and explain the developer skill sets required for success.

The customization approaches discussed will utilize the web user interface, SharePoint Designer, and Visual Studio, with demonstrations of specific example projects to highlight key functionality of each. Jeremy will conclude with best practices and recommended governance policies for customizing SharePoint Online.

You will learn:

- Successful approaches to customizing SharePoint Online

SESSION DESCRIPTIONS BY TRACK, continued

- Available tools necessary to start developing in SharePoint Online
- Key scenarios where each is suited

■ SPW07 Better Together – SharePoint 2013 and Mobile Development

Darrin Bishop

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

Going mobile in SharePoint 2010 was an interesting proposition. To get mobile the designer and developer had to wade through a myriad of issues to display properly on all of the various mobile devices. Creating mobile aware SharePoint applications, SharePoint integrated mobile applications, were challenging due to limitations of the various data access methods and authentication available to mobile devices. This session will cover what is new with SharePoint 2013 and mobile development and how you can start extending the reach of your SharePoint applications using mobile technologies.

■ SPW11 Use 2012 (and Beyond) Technology with SharePoint 2010 - Intermediate

Ryan McIntyre

Wednesday, December 12

1:45 p.m. – 3:00 p.m.

Learn how to take advantage of the platform capabilities of SharePoint 2010 to expose functionality through non-native SharePoint technologies. We will look at examples of interacting with SharePoint through various frameworks such as Sencha Touch and jQuery Mobile and the options available to us to interface with SharePoint through various API's. The methods we will review will focus on creating HTML5 applications with an emphasis on mobile platforms.

You will learn:

- Familiarity with methods for creating feature rich applications on SharePoint 2010 using some of the latest technologies
- An introduction to some of the available toolsets
- An understanding of how to expose SharePoint data on a mobile device

■ SPTH10 Developing and Extending Enterprise Content Management Features with SharePoint 2013 – Intermediate / Advanced

Paul Swider

Thursday, December 13

11:00 a.m. – 12:15 p.m.

Do you know how to fully leverage the rich set of APIs SharePoint provides for building new features or extending existing Enterprise Content Management (ECM) features? The ECM programming model can be used to extend the functionality and create custom document management solutions. In addition SharePoint 2010 introduces the Managed Metadata store as the enterprise tool for managing taxonomy. In this session you will learn how to add rich ECM functionality to your SharePoint sites using members of the taxonomy and document management object model. When you complete the session you will understand how to use the rich document management namespace.

You will learn:

- To use the taxonomy namespace
- To use the document management namespace
- Understand the ECM features available to developers

■ SPTH12 What's New in Branding for SharePoint 2013 – Intermediate

John Ross & Randy Drisgill

Thursday, December 13

11:00 a.m. – 12:15 p.m.

With SharePoint 2013, Microsoft has made a large investment in new features that allow designers to more easily apply custom styles and branding to their SharePoint sites. In this session we will look at how the SharePoint branding story has evolved for SharePoint 2013 and explore some of these new features like the Design Manager, Managed Navigation, Device Channels, Composed Looks and more. Whether you are an expert SharePoint 2010 brander or this is the first time you've ever thought about designing a site for SharePoint, this session will provide you with an overview of the important features for creating branding in SharePoint 2013.

■ SPTH14 Lean-Agile Development with SharePoint – Intermediate / Advanced

Bill Ayers

Thursday, December 13

1:30 p.m. – 2:45 p.m.

Agile development practices are sweeping through the software industry. Everyone is talking about Scrum, TDD and CI. But SharePoint is different, right? We don't need to be left behind—we can do this. We'll run through the definitions of Scrum, Kanban and the rest. Having set the scene, we will get down into the detail of specific development techniques; this talk is all about engineering, not project management. We'll see how

you can build SharePoint solutions using Lean-Agile techniques and get all the benefits: faster development, predictable deliveries, better quality, less stress and happy stakeholders. We'll overcome the challenges of delivering on SharePoint using real solutions from real projects. This will cover some of the unique challenges we face in developing of web parts, schema development, content deployment and configuration. We'll look at unit tests, integration tests, UI tests, continuous integration and, of course, test-driven development (TDD) using practical examples. Then we will look at the different techniques and tooling options, and see what's new with SharePoint 2013. Finally we will push the boundaries even further by considering ATDD/BDD and look into the options for building robust tests that are driven by user acceptance criteria, as well as the many issues around dealing with subsequent iterations of a project that is already deployed with live content.

You will learn:

- Apply Agile development practices to your SharePoint project
- Techniques for test-driven development and continuous integration with SharePoint
- Take your SharePoint project from "red" to "green"

■ **SPTH16 Branding and Customizing My Sites in SharePoint Server 2010 -**

John Ross & Randy Drisgill

Thursday, December 13

1:30 p.m. – 2:45 p.m.

Social is becoming more and more important all the time – it is now something that drives real tangible value for users. My Sites are the backbone of SharePoint's social capabilities. In this session, we'll cover how to customize your My Site deployment and how to apply custom branding. We'll also discuss how you can effectively control which web parts are deployed to your users.

■ **SPTH18 Apps for Office and SharePoint: Potentially reach a billion users through the Office Store**

Vivek Narasimhan

Thursday, December 13

3:00 p.m. – 4:15 p.m.

With the next version of Office and SharePoint, Microsoft has introduced a new cloud app model for building apps. This new model enables developers to use standard web-based technologies to build innovative productivity scenarios and user experiences never before possible. And then, developers can list their Office and/or SharePoint

app on the Office Store: a Store for apps with a colossal user base!

Attend this session to learn more about:

- How to successfully list your app on the Office Store
- Office Store capabilities
- New scenarios and experiences enabled by apps for Office and SharePoint
- Tips for building a successful app
- Best practices for monetizing your apps

WORKSHOPS

Get deep coverage of key topics by registering for SharePoint 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, SharePoint administrators and IT Professionals.

Monday, December 10, 2012:

■ **SPM01 Workshop: Dan Holme's SharePoint MasterClass – Governance**

Dan Holme

Monday, December 10

8:00 a.m. – 5:00 p.m.

Join Dan Holme, global governance thought leader, for a full-day workshop on end-to-end SharePoint governance. Dan Holme is a SharePoint MVP, author of the official Microsoft SharePoint 2010 Training Kit, and one of the most respected SharePoint experts in the industry. He brings to the workshop experience with thousands of organizations worldwide, in every vertical, and every size: from small businesses to most of the Fortune 100 and many of the Global 1000. This workshop has been delivered in sold-out venues on five continents.

Through in-depth discussion of business and service governance, Dan integrates elements of respected management, project and development frameworks, informed by his experience with and lessons learned from enterprises around the world. Dan identifies the critical factors for successful governance, including vision, roles & responsibilities, accountability, measurability, process, and iteration. You come away with messages you can use to understand and communicate the role of SharePoint to your organization, an invaluable framework with which to

SESSION DESCRIPTIONS BY TRACK, continued

translate business requirements to SharePoint architecture, tips for avoiding requirement gathering spin-cycles, and an understanding of the strategic, cultural, technical and procedural components of a successful SharePoint implementation.

Dan will present a one-of-a-kind look at what it takes to architect a governable SharePoint implementation that delivers “big wins” for your business and scales effectively and manageably—in both size and functionality—to support rapid adoption of this powerful platform. While every SharePoint environment is different and serves diverse business needs, Dan will identify the common obstacles, issues and hot topics he has seen in 18 years of experience advising some of the largest enterprises in the world.

As a special bonus, Dan will share with you a vision that integrates out-of-box capabilities of SharePoint and Windows to automate SharePoint management tasks including site provisioning and group management in ways that integrate and implement your governance policies.

- Whether you are a business leader, project manager, end user, IT professional, or solutions architect, you will take away:
- Comprehensive understanding of governance from the strategic to the tactical level, bridging business and technical perspectives
- Awareness of common obstacles, issues, and hot topics
- Preparedness for SharePoint “15” and how it changes the discussion of SharePoint governance and management
- Invaluable guidance that will save your organization days, weeks, or even months of research, debate, and project delays
- Perspective to help you maximize your SharePoint investment and meet your organization’s goals
- Tips for breaking through bottlenecks, including Dan’s “trademarked” DOUBLE ROI story for SharePoint stakeholders
- Tools with which to guide project management, solutions architecture, and development
- Best practices for architecting a governable SharePoint implementation that scales manageably in both size and functionality
- Eye-opening tips for automating SharePoint manage-

ment and implementing governance policies with out-of-box tools

Don’t miss this opportunity to gain deeper insight, validate your plans and approaches and receive invaluable guidance and tools.

■ SPM02 Workshop: Using SharePoint for Your Internet Site

Ryan McIntyre

Monday, December 10

8:00 a.m. – 5:00 p.m.

SharePoint is most often used for intranet or extranet environments, but more and more it is being used as a platform to build Internet sites. The WCM capabilities built into SharePoint 2010 and 2013 are currently driving many Internet sites such as <http://www.presidio.gov>, <http://sharepoint.microsoft.com>, <https://www.quickstartonline-services.com>, <http://www.prepass.com/> and many others.

This full-day workshop will walk through the process of defining, designing, building and maintaining a public facing site using both SharePoint 2010 and 2013.

We will begin by defining what pieces and processes need to be in place to begin a project of this type, focusing on business process, design, goal definition and communication.

We will then move into implementation details where we will cover:

- SharePoint 2010 / 2013 WCM strengths and weaknesses
- Publishing
- Site creation
- User experience
- SEO
- Multilingual
- Social integration
- Mobile access

The session will end with a focus on site maintenance, both from a content owner and an IT owner perspective. Some key takeaways from this portion include:

- How to enable your content owners to maintain the site
- How to ensure SEO is optimized through the life of the site

- What are the processes and when is the right time to add additional functionality to your site
- How to track and report on site usage and other analytics

■ SPM03 Workshop: SharePoint 2013 Developer Boot Camp – Intermediate

Andrew Connell

Monday, December 10

8:00 a.m. – 5:00 p.m.

In this full-day pre-conference session you'll learn everything there is to know about what's new, improved & changed that for developers need to know in the most recent release of SharePoint, SharePoint 2013. We'll explore what's new with the developer tools in Visual Studio 2012 & SharePoint Designer 2012 as well as the options available for customization. These include traditional solutions as well as the new SharePoint App Model. We'll also explore improvements to the new APIs in the Client Side Object Model (CSOM) & REST and things that support the new app model such as OAuth, S2S and Remote Event Receivers. In addition we'll also cover the significant changes to the workflow architecture and how to build custom workflows using both SharePoint Designer 2012 and Visual Studio 2012. Finally we'll look at what's new with respect to Business Connectivity Services (BCS) and discuss some of the major changes to things like Web Content Management, Enterprise Content Management & Search.

You will learn:

- How to extend SharePoint 2013 with the new SharePoint App Model
- What's new and how to build workflows with the new Windows Azure Workflow architecture in SharePoint 2013
- What's new and how to create custom solutions with Business Connectivity Services (BCS)
- How to develop with taxonomies in SharePoint using the new taxonomy services in SharePoint 2013

Friday, December 14, 2012:

■ SPF01 Workshop: Architecting the Optimal Enterprise Search Strategy

Agnes Molnar & Jeff Fried

Friday, December 14

8:00 a.m. – 5:00 p.m.

This workshop will focus on the Search capabilities of both SharePoint 2010 and SharePoint 2013. I'll demonstrate how to create a Corporate Search Strategy as well as what elements you have to identify and plan for. After



this, I'll demonstrate each of these elements and put them into a practical context. During this workshop, attendees will get deep-dive information about the key elements of Search, like Content Sources, Scopes, Crawled and Managed Properties, Cross-Content Source Configuration, Ranking Models and Relevancy, PowerShell, PipeLine Extension, etc.

You will learn:

- Deep-dive Search insights
- Content Sources, Scopes, Crawled and Managed Properties, Cross-Content Source Configuration, Ranking Models and Relevancy, PowerShell, PipeLine Extension, etc.
- Search Based Applications and User Experience

■ SPF02 Workshop: SharePoint 2013 Admin in the Hybrid World – Introductory / Intermediate

Jason Himmelstein

Friday, December 14

8:00 a.m. – 5:00 p.m.

Microsoft's massive investment into Cloud technologies are enough to make anyone stop and wonder if the Cloud is something they should be focusing on for SharePoint. During this full day workshop we will examine Microsoft's Cloud Strategy from an ITPro's perspective and understand how a hybrid scenario can be structured to maximize the On Premises, Infrastructure as a Service, & Cloud capabilities. We will deep dive into deployment planning and implementation across the hybrid stack. We will also discuss and demonstrate the management of the SharePoint platform across all tiers. Join us on this journey from the ground to the cloud and back again!

Friends of SQL Server	Recovery and High Availability	Monitoring, Maintaining, and Tuning	What's New in SQL Server 2012	Business Intelligence and Big Data with the Microsoft Stack	SQL Server Virtualization and In the Cloud
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START TIME	END TIME	SQL Server Live! Pre-Conference Workshops: Monday, December 10, 2012 <i>(Separate entry fee required)</i>		
6:30 am	8:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries		
8:00 am	12:00 pm	SQM1 - Workshop: Being a SQL Server DBA - Even If You'd Rather Not - <i>Don Jones</i>	SQM2 - Workshop: Developer Dive into SQL Server 2012 (Part 1) - <i>Leonard Lobel</i>	SQM3 - Workshop: SQL Server High Availability and Disaster Recovery Deep Dive (Part 1) - <i>Edwin Sarmiento</i>
12:00 pm	1:00 pm	Lunch		
1:00 pm	5:00 pm	SQM4 - Workshop: T-SQL for the Report Writer - <i>David Dye</i>	SQM2 - Workshop: Developer Deep Dive into SQL Server 2012 (Part 2) - <i>Leonard Lobel</i>	SQM3 - Workshop: SQL Server High Availability and Disaster Recovery Deep Dive (Part 2) - <i>Edwin Sarmiento</i>
5:00 pm	7:00 pm	EXPO Preview		
7:00 pm	8:00 pm	Live! 360 Keynote		

START TIME	END TIME	SQL Server Live! Day 1: Tuesday, December 11, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:00 am	SQL Server 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	SQT1 - The SQL Server 2012 Delta Guide: What's New, What's Changed - <i>Don Jones</i>	SQT2 - Building Robust SSIS Packages - <i>David Dye</i>	SQT3 - Trimming Indexes, Getting Your Database in Shape - <i>Bradley Ball</i>	SQT4 - Introducing SQL Server Data Tools - <i>Leonard Lobel</i>
12:15 pm	2:00 pm	Lunch • Visit the EXPO			
2:00 pm	3:15 pm	SQT5 - Transparent Database Encryption Inside and Out in SQL Server 2012 - <i>Bradley Ball</i>	SQT6 - What's New in SQL Server Integration Services 2012 - <i>Kevin Goff</i>	SQT7 - Index Tuning and Maintenance Demystified - <i>Don Jones</i>	SQT8 - Programming the T-SQL Enhancements in SQL Server 2012 - <i>Leonard Lobel</i>
3:15 pm	4:15 pm	Networking Break • Visit the EXPO			
4:15 pm	5:30 pm	SQT9 - Page & Row Compression Deep Dive with SQL Server 2012 - <i>Bradley Ball</i>	SQT10 - Getting the Most Out of PerformancePoint Services - <i>Kevin Goff</i>	SQT11 - Introduction to Auditing - <i>David Dye</i>	SQT12 - Possible Musics: Choosing Between Analysis Services 2012 Multidimensional and Tabular - <i>William Pearson</i>
5:30 pm	7:30 pm	Exhibitor Reception			

START TIME	END TIME	SQL Server Live! Day 2: Wednesday, December 12, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:00 am	SQL Server Live! Keynote			
9:15 am	10:30 am	SQW1 - Utilizing Knowledge Bases with Data Quality Services in SQL Server 2012 - <i>Arie Jones</i>	SQW2 - Virtualizing SQL Server - <i>Don Jones</i>	SQW3 - Monitoring Databases in a Virtual Environment - <i>Thomas LaRock</i>	SQW4 - Why OLAP? Building SSAS Cubes and Benefits of OLAP - <i>Kevin Goff</i>

10:30 am	11:00 am	Networking Break • Visit the EXPO			
11:00 am	12:15 pm	SQW5 - Change Data Capture in SQL Server 2012 - <i>Kevin Goff</i>	SQW6 - Intro to Windows Azure SQL Database and What's New - <i>Eric D. Boyd</i>	SQW7 - SQL Performance Tuning Made Easy - <i>Thomas LaRock</i>	SQW8 - Serene Velocity: Reporting Services and Analysis Services Data - <i>William Pearson</i>
12:15 pm	1:45 pm	Round Table Lunch • Visit the EXPO			
1:45 pm	3:00 pm	SQW9 - Master Data Services in SQL Server 2012 - <i>Arie Jones</i>	SQW10 - Storage Strategies in Windows Azure - <i>Eric D. Boyd</i>	SQW11 - SQL Server 2012 on Server Core: Benefits and Considerations - <i>Allen White</i>	SQW12 - An Overview of PowerPivot 2012 - <i>William Pearson</i>
3:00 pm	4:00 pm	Networking Break • Visit the EXPO • Expo Raffle			
4:00 pm	5:15 pm	SQW13 - SQL Server 2012 Columnstore Index - <i>Kevin Goff</i>	SQW14 - What DBAs Need to Know About SQL Azure - <i>Arie Jones</i>	SQW15 - To Be Announced	SQW16 - Real-World SQL Server 2012 Analysis Services BISM models - <i>Lynn Langit</i>

START TIME	END TIME	SQL Server Live! Day 3: Thursday, December 13, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:15 am	SQTH1 - BI in the Cloud with SQL Azure Reporting - <i>Eric D. Boyd</i>	SQTH2 - Sleeping While the Wind Blows: Lessons from Real-Life Disasters for Database Administrators - <i>Adrian Porter</i>	SQTH3 - Database Design: Size DOES Matter - <i>Thomas LaRock</i>	SQTH4 - Power View from the Data Visualization Perspective - <i>Jennifer Stirrup</i>
9:30 am	10:45 am	SQTH5 - Add It Up: Analysis Services Aggregations - <i>Craig Utley</i>	SQTH6 - Gone Clustering in 60 Minutes - <i>Edwin Sarmiento</i>	SQTH7 - Database Backups for the Accidental DBA - <i>Grant Fritchey</i>	SQTH8 - Microsoft's Big Play for Big Data - <i>Andrew Brust</i>
11:00 am	12:15 pm	SQTH9 - Why Business Intelligence Projects Fail (And What You Can Do About It) - <i>Craig Utley</i>	SQTH10 - To Be Announced	SQTH11 - Maintain SQL Server System and Performance Data with PowerShell - <i>Allen White</i>	SQTH12 - Hadoop and its Ecosystem Components in Action - <i>Andrew Brust</i>
12:15 pm	1:30 pm	Lunch			
1:30 pm	2:45 pm	SQTH13 - Avoid Slow SSAS Queries: MDX Query Troubleshooting - <i>Craig Utley</i>	SQTH14 - Database Recovery Techniques to Keep Handy - <i>Edwin Sarmiento</i>	SQTH15 - SQL Server 2012 Query Performance and Load Testing - <i>Grant Fritchey</i>	SQTH16 - NoSQL for the SQL Server Professional - <i>Lynn Langit</i>
3:00 pm	4:15 pm	SQTH17 - Secure SSAS Data Without Tying Yourself Up in Knots - <i>Craig Utley</i>	SQTH18 - Providing Database Availability with SQL Server 2012 AlwaysOn - <i>Edwin Sarmiento</i>	SQTH19 - Manage SQL Server 2012 on Windows Server Core Using PowerShell - <i>Allen White</i>	SQTH20 - Mobile Business Intelligence for Everyone, Now! - <i>Jennifer Stirrup</i>
4:30 pm	5:45 pm	Live! 360 Conference Wrap-up			

START TIME	END TIME	SQL Server Live! Post-Conference Workshops: Friday, December 14, 2012 <i>(Separate entry fee required)</i>	
7:00 am	8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries	
8:00 am	12:00 pm	SQF1 - Workshop: The Data Warehousing Process in a Day: Design, Build, and Deliver (Part 1) - <i>Craig Utley</i>	SQF2 - Workshop: Big Data and NoSQL in Microsoft-Land (Part 1) - <i>Andrew Brust and Lynn Langit</i>
12:00 pm	1:00 pm	Lunch	
1:00 pm	5:00 pm	SQF1 - Workshop: The Data Warehousing Process in a Day: Design, Build, and Deliver (Part 2) - <i>Craig Utley</i>	SQF2 - Workshop: Big Data and NoSQL in Microsoft-Land (Part 2) - <i>Andrew Brust and Lynn Langit</i>

Speakers and sessions subject to change

SQL SERVER LIVE! SESSION DESCRIPTIONS BY TRACK

FRIENDS OF SQL SERVER

SQL Server is about more than just SQL Server. There's Integration Services, Reporting Services, and more – the "friends of SQL Server" help you accomplish critical tasks and meet important business needs. Sessions in this track help you leverage these tools and technologies more effectively.

■ SQM3 Workshop: SQL Server High Availability and Disaster Recovery Deep Dive – Intermediate / Advanced

Edwin Sarmiento

Monday, December 10

8:00 a.m. – 6:00 p.m.

High Availability and Disaster Recovery (HA/DR) is an area that every SQL Server DBA needs to be comfortable with. In this full-day workshop, learn what needs to be considered when embarking on a HA/DR project, the different features and technologies available in SQL Server, and implement them accordingly to meet service level agreements of mission-critical databases.

You will learn:

- What requirements need to be met when implementing an HA/DR project
- How to identify different SQL Server features and technologies – backup, recovery, database mirroring, log shipping, clustering, AlwaysOn – that can be used in addressing HA/DR requirements
- How to implement the appropriate technology to meet HA/DR service level agreements

■ SQM4 Workshop: T-SQL for the Report Writer – Introductory

David Dye

Monday, December 10

1:00 p.m. – 5:00 p.m.

This four hour workshop is targeted for the analysts who are required to create reports against SQL Server databases. The workshop focuses on writing efficient T-SQL queries to return data sets for any reporting solution, SSRS, Crystal Reports, Active Reports, etc. This workshop will serve as an introduction to T-SQL's DQL, Data Query Language, and is meant for anyone who has a general knowledge of SQL Server.

The workshop will cover:

- An introduction to T-SQL
- T-SQL querying tools
- Basic T-SQL syntax
- Basic SELECT statements
- Filter results
- Joining tables
- Aggregating values
- String functions

■ SQT2 Building Robust SSIS Packages – Intermediate

David Dye

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

Typical SSIS package development focuses on the known, the data source, transformations, and destinations, but often fails to address the unknown, schema changes, data type mismatches, and change within the network environment. Development must come from a starting point, the known, but should also insure that an SSIS package provides portability, stability, and resilience.

You will learn:

- The tasks and techniques used to make an SSIS 2012 package portable, stable, and record and report package metrics. We will focus on three primary topics and how each can be met with the tools available inside SSIS.



- Portability: SSIS Parameters, Deployment paths
- Stability: Dynamic Error Handling, Control Flow, Data Flow, Storing task and package errors
- Reporting: Capturing package metrics, Storing metrics, Reporting package metrics

This session focuses on SSIS 2012 as well as SSRS 2012, which is used to provide in-depth reports for all package metrics.

■ SQT4 Introducing SQL Server Data Tools - Introductory / Intermediate

Leonard Lobel

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

Application developers just got a brand new database development environment! With the release of SQL Server 2012, the new SQL Server Data Tools (SSDT) serves as your primary development environment for building Windows and Web applications on top of SQL Server. While SQL Server Management Studio (SSMS) continues to serve as the primary tool for database administrators, SSDT plugs in to Visual Studio as a new database project type designed specifically for the .NET application developer.

With SSDT, developers can finally enjoy building database applications without constantly switching between Visual Studio and SSMS. In this session, Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and SQL Azure databases. In addition to replicating most of the functionality found in SSMS, you will learn how to use features such as code navigation, IntelliSense, and refactoring with your database models indispensable tools previously available only for application development in Visual Studio. We'll also cover the new declarative model that allows you to design databases offline and under source control right from within solution in Visual Studio. Don't miss out on this demo-centric information-packed session on the new generation of database tools for application developers!

You will learn:

- The declarative model-based approach used in the new generation of SQL Server tools for developers
- The various services that power the new tools (explorer, designers, schema compare, local database runtime, language services, debugging, and buffered editing)
- See live demonstrations of how to design, test, and deploy on-premises databases, offline database projects, and SQL Azure databases in the cloud all from inside Visual Studio

■ SQT6 What's New in SQL Server Integration Services 2012 – Intermediate

Kevin Goff

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

SSIS has always been a good ETL product. In SQL Server 2012, SSIS got even better. Microsoft simplified certain ETL tasks to help new developers learn SSIS more quickly, and added new features that will be a hit to experienced ETL developers. In this presentation, I'll cover all the new features in SSIS 2012: parameters, new tasks, simplified tasks, new expression functions, data taps for dynamically "tapping" into a data flow pipeline, better handling of invalid metadata references, and a greatly improved deployment model. SSIS 2012 also uses the new SQL Server Data Tools interface (the Visual Studio 2010 shell). After participating in this presentation, you might very well agree with me that SSIS has gone from "good" to "great" in 2012.

You will learn:

- Overall improved UI and workflow in SSIS 2012
- The new SSIS project deployment model and the benefits
- How to incorporate stored procedures and staging tables into ETL scenarios

■ SQT10 Getting the Most Out of PerformancePoint Services – Intermediate

Kevin Goff

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

Many people know that you can use PPS 2010 to create KPI scorecards. But PPS has a wealth of other features for creating an integrated dashboard environment. In this presentation, I'll demonstrate a 6-page dashboard that incorporates KPI scorecards, PPS analytic charts and grids, as well as content from Excel and Reporting Services. I'll also show how developers can use MDX to extend PPS content. By the end of the session, you're likely to learn at least one (and hopefully more than one) capability in PPS that you didn't know existed!

You will learn:

- How PerformancePoint Services is more than just a "scorecarding" tool – it's a specialized dashboard designer that can incorporate content from other BI tools
- How MDX skills are often needed to extend the capabilities of PerformancePoint

SESSION DESCRIPTIONS BY TRACK, continued

RECOVERY AND HIGH AVAILABILITY

Is SQL Server mission critical? Is Paul Allen a sci-fi geek? Obviously, yes, and the sessions in this track will help you keep SQL Server online and running at all times, help you learn new techniques for protecting and recovering data, and all the other tasks that support SQL Server's mission-critical nature.

■ SQTH2 Sleeping While the Wind Blows: Lesson for Real-Life Disasters for Database Administrators – Introductory

Adrian Porter

Thursday, December 13

8:00 – 9:15 a.m.

What do plane crashes and other disasters have to do with our lives as Database Administrators? The answer might surprise you! Most accidents and disasters are not caused by one action, but rather a series of small factors that snowball into a situation that can have devastating consequences.

It's the same in our work environments: complacency and failure to create or follow established guidelines can lead to heartbreaking scenarios in our professional lives.

In this session, Adrian will discuss real-life disasters, what the underlying causes were and how these lessons can have an impact on how we approach our day jobs. He will explore the similarities between the situations these individuals faced and the tension filled circumstances that we find ourselves in at work. Adrian will discuss some of the most common 'disaster-causing' attitudes and behaviors, show real world examples of how they caused tragedy, and likewise discover some mitigating attitudes and how they can be implemented in our work environments.

You will learn:

- About common attitudes and behaviors in various disasters
- Identify and discuss those behaviors in yourself, your team, and your organization
- Leave with ideas on how to mitigate and quell these attitudes in your individual work situations

■ SQTH6 Gone Clustering in 60 Minutes – Intermediate

Edwin Sarmiento

Thursday, December 13

9:30 – 10:45 a.m.

Deploying a SQL Server Failover Cluster on Windows Server 2008 has become a lot easier with the availability of online resources. However, making it easy does not mean ignoring the basic principles of the underlying technology. In this session, learn the fundamentals and principles behind how Windows Failover Clustering works and how SQL Server leverages on the technology, allowing you to build highly available database infrastructures.

You will learn:

- A basic understanding of how Windows Failover Clustering works
- A basic understanding of how SQL Server leverages on the Windows Failover Clustering feature to provide high availability
- To implement a multi-node, multi-instance SQL Server Failover Cluster on Windows Server 2008/R2

■ SQTH14 Database Recovery Techniques to Keep Handy – Advanced

Edwin Sarmiento

Thursday, December 13

1:30 – 2:45 p.m.

Nothing is more frightening to a DBA as getting that wake-up phone call that the system is down, especially when it's a mission critical one. This session will focus on being prepared for, and dealing with, a recovery situation for a SQL Server 2005/2008/2012 database, an instance or an entire server. Topics covered will be backup schemes, partial backups and piecemeal restores, and page-level recovery.

You will learn:

- The different database recovery techniques available
- The different database recovery techniques using different scenarios
- New database recovery techniques in SQL Server 2012

■ SQTH18 Providing Database Availability with SQL Server 2012 AlwaysOn – Intermediate

Edwin Sarmiento

Thursday, December 13

3:00 – 4:15 p.m.

SQL Server 2012 will have quite a few features aimed towards providing High Availability for database architectures. In this session, we will explore the new AlwaysOn Availability Groups feature for high availability and disaster

recovery and the increased productivity created by read-only access to secondary database mirror replicas.

You will learn:

- An understanding of the new SQL Server 2012 AlwaysOn feature
- Provide database availability using SQL Server 2012 AlwaysOn Availability Groups
- How to convert existing log shipping and database mirroring configuration to SQL Server 2012 AlwaysOn Availability Groups

MONITORING, MAINTAINING, AND TUNING

This track focuses on SQL Server's day-to-day operations – the stuff you need to keep SQL Server running smoothly. It isn't sexy, but these are the techniques and technologies that make you a real DBA, and help you truly align SQL Server with your organization's needs.

■ SQM1 Workshop: Being a SQL Server DBA – Even If You'd Rather Not – Introductory / Intermediate

Don Jones

Monday, December 10

8:00 a.m. – 12:00 p.m.

Are you stuck being a database administrator just because you're the "Microsoft person" in your environment? Less concerned with writing queries than just maintaining SQL Server and getting back to your "real" job? Congratulations: You're a Reluctant DBA, and this half-day workshop is made for you! Microsoft expert, author, and MVP award recipient Don Jones introduces you to everything you'll need to know to make SQL Server work better, longer, and faster. You'll learn how SQL works under the hood, learn the basics of the T-SQL query language, and learn how to perform critical tasks like backup and recovery. You'll learn about core performance troubleshooting and tuning techniques, including how to use SQL Profiler and the Database Engine Tuning Advisor. You'll learn about your options for high availability, and peek into techniques and technologies for multi-server administration. Administering a SQL Server that supports a prepackaged application? You'll also learn what's generally safe and unsafe to do, so that you can focus your efforts on where they'll make the most difference.

This is not a hands-on workshop and power for laptops will not be provided in the session room.

■ SQT3 Trimming Indexes, Getting Your Database in Shape – Intermediate

Bradley Ball

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

Indexes are a wonderful thing. We should be using them, and we should be maintaining them. But over time our production databases start to look a little pudgy around the mid-section. Maybe they are a little bloated with Unused Indexes, maybe they have Duplicate Indexes, and possibly even Reverse Indexes. The first step to fixing these problems is to see if you have them and if you do the second is to set about fixing them. You could be costing yourself CPU cycles, I/O's, and space and never even know it.

You will learn:

- A General understanding of the B-Tree structure of Indexes and how SQL Server navigates them
- The difference between a Clustered Index and Non-Clustered Indexes
- An understanding of what Duplicate Indexes, Reverse Indexes, and Un-used Indexes are, and how to identify them. Scripts that will assist in identifying them for you.

■ SQT7 Index Tuning and Maintenance Demystified – Introductory / Intermediate

Don Jones

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

Dig deep into SQL Server index tuning. Learn exactly how SQL Server builds, maintains, and uses indexes under the hood, and review best practices for building and maintaining indexes. You'll also walk through a complete index performance-tuning example using SQL Profiler, giving you a practical scenario that you can put to use as soon as you get home. You'll learn about all of the ins and outs of indexes, including file placement, read vs. write workload, statistics maintenance, fragmentation and page splits, rebuilding and reorganizing, and much more. If you're just getting started as a DBA, or need a quick review of index tuning essentials, this is the perfect session for you.

■ SQT11 Introduction to Auditing – Introductory / Intermediate

David Dye

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

The ability to audit in SQL server has been available for quite some time using different tools and techniques. This session will outline several methods to implement auditing, but will focus primarily on SQL Audit. SQL Audit provides

SESSION DESCRIPTIONS BY TRACK, continued

the ability to track and log activities and changes at the instance or database level built upon Extended Events SQL Audit provides both synchronous and asynchronous capabilities. The granularity of events that can be monitored and tracked with SQL Audit can only be matched by means of using a SQL Profiler trace, but provides reduced overhead. This presentation will provide insight into the internals of SQL Audit, along with how to plan, create, and monitor instance and database level audits.

You will learn how to evaluate the most efficient method to audit SQL Server with the understanding of:

- Benefits and drawbacks to using SQL Server Trace:
- Benefits and drawbacks to using DML triggers
- Benefits and drawbacks to DDL Triggers
- Benefits and drawbacks to SQL Audit

■ SQW3 Monitoring Databases in a Virtual Environment – Intermediate / Advanced

Thomas LaRock

Wednesday, December 12 *9:15 a.m. – 10:30 a.m.*

When moving databases to a virtual environment the performance metrics DBAs typically use to troubleshoot performance issues such as O/S metrics, storage configurations, CPU allocation and more become unreliable. DBAs no longer have a clear, reliable view of the factors impacting database performance. Understanding the difference between the physical and virtual server environment adds a new dimension to the DBA tasks. This presentation describes the changes that DBAs need to make in their performance and monitoring practices.

You will learn:

- Understanding virtualization concepts
- How to monitor database running in a virtual environment
- How to troubleshoot performance problems for databases running in a virtual environment

■ SQW7 SQL Performance Tuning Made Easy – Intermediate / Advanced

Thomas LaRock

Wednesday, December 12 *11:00 a.m. – 12:15 p.m.*

Performance tuning is hard, everyone knows that. Attend this session and learn how to define, measure, and analyze performance issues as well as implementing changes and how to make sure those changes continue to have the

desired effects. In short, Thomas will break down performance tuning into pieces that anyone can understand. Leave this session knowing what actions to take when you get back to work on Monday.

You will learn:

- How to define and recognize performance issues
- How to analyze performance issues in order to take action
- How to take the right steps to tune and improve queries using SQL Diagramming

■ SQW11 SQL Server 2012 on Server Core: Benefits and Considerations – Intermediate

Allen White

Wednesday, December 12 *1:45 – 3:00 p.m.*

SQL Server 2012 is supported on Server Core, and Core is the default installation option on Windows Server 2012, and is a markedly different beast than its strictly limited, difficult-to-manage predecessors. In this session we'll show you what SQL Server 2012 needs to run on Server Core in both 2008 and 2012, and the tools you can use to effectively manage SQL Server 2012 on Server Core, so you can get the most out of both. Don't get left behind – make sure you catch this session!

■ SQTH3 Database Design: Size DOES Matter – Intermediate / Advanced

Thomas LaRock

Thursday, December 13 *8:00 – 9:15 a.m.*

Great database performance starts with great database design. During the database design process it is important to select your datatypes wisely. The wrong choices will often lead to wasted space, increased response times, and less stability. Additionally you run the risk of having your design not scale as well as it should. Leave this session armed with the knowledge you need to help your databases perform at their peak efficiency.

You will learn:

- How to choose the best performing datatypes
- How to measure the effectiveness of the datatypes chosen
- How to identify datatypes that can be adjusted

■ SQTH7 Database Backups for the Accidental DBA – Introductory

Grant Fritchey

Thursday, December 13

9:30 – 10:45 a.m.

Backups and Restores for the Accidental DBA: You've fallen into a job that requires you to manage a SQL Server Database Management System. Now you have to keep these databases on their feet. You've heard of this concept called a backup, and it sounds great, but you sure don't know what it is. This session is for you. We're going to go over backups, right from the beginning, so that when you come out of this session you can go back to your systems and set up backups, log backups, differentials, and anything else you might need. Further, you'll know how to recover your database in the event of an actual failure. We'll introduce the Backup & Restore GUI, including new functionality with SQL Server 2012, as well as TSQL statements. We'll go over how to automate the process through the SQL Agent. The fundamentals you need to get a good backup in place and then be able to restore it will be covered in this session.

You will learn:

- How to run a backup on your own system against your own databases
- How to run a restore of a full database, a differential and a log, all to a specific point in time
- Tools of automation that can help you through all these tasks on your own system

■ SQTH11 Maintain SQL Server System and Performance Data with PowerShell – Intermediate

Allen White

Thursday, December 13

11:00 a.m. – 12:15 p.m.

Maintaining a solid set of information about our servers and their performance is critical when issues arise, and often help us see a problem before it occurs. Building a baseline of performance metrics allows us to know when something is wrong and help us to track it down and fix the problem. This session will walk you through a series of PowerShell scripts you can schedule which will capture the most important data, and a set of reports to show you how to use that data to keep your server running smoothly.

You will learn:

- How to set up and maintain an administrative database to manage servers
- Performance metrics and how to build a baseline set of counters
- How to use PowerShell to build and maintain your admin database and gather information to ease management of your servers

■ SQTH15 SQL Server 2012 Query Performance and Load Testing – Intermediate

Grant Fritchey

Thursday, December 13

1:30 – 2:45 p.m.

Identifying which queries are running slow on your system is getting easier and easier all the time. But, now that you know which queries are causing the system to slow down and you've made changes to the queries or your indexes, how do you know you've tuned them well enough? SQL Server 2012 has introduced the new utility Distributed Replay as a mechanism for testing your queries to ensure you're getting the performance improvements you planned. This session will walk you through how to set up data collection for Distributed Replay, how to run Distributed Replay, and, most importantly, how to interpret the results that you get from Distributed Replay. You will have more confidence in the performance of your system once you've tested your queries.

You will learn:

- How to gather and prepare data metrics that can be used for Distributed Replay testing sessions
- How to set up your own Distributed Replay environment
- How to run a Distributed Replay playback session and interpret the results from the same

■ SQTH19 Manage SQL Server 2012 on Windows Server Core Using PowerShell – Intermediate / Advanced

Allen White

Thursday, December 13

3:00 – 4:15 p.m.

Windows Server 2008 introduced Server Core, the operating system without the Graphical User Interface. SQL Server 2012 is the first version of SQL Server to support Server Core. To gain the maximum efficiency from your servers you want to make use of Server Core and with PowerShell you can effectively manage SQL Server in that environment. This session will demonstrate how to manage SQL Server 2012 on Windows Server Core and provide scripts to help you perform the common tasks you need to perform on that platform.

You will learn:

- The benefit of Server Core
- How to install SQL Server 2012 on Server Core
- How to use PowerShell to manage SQL Server 2012 on Server Core

SESSION DESCRIPTIONS BY TRACK, continued

WHAT'S NEW IN SQL SERVER 2012

It's been four years since we've had a major new SQL Server version to play with, and "Denali" is finally here. Learn what's new, what's different, and how to get there from whatever version of SQL Server you're currently on. Leverage your existing SQL Server skills to quickly come up to speed on the latest SQL Server tech.

■ **SQM2 Workshop: Developer Dive into SQL Server 2012 – Intermediate**

Leonard Lobel

Monday, December 10

8:00 a.m. – 6:00 p.m.

If you are a .NET developer building any kind of application on top of SQL Server, then this intensive demo-packed day is just what you need to advance your skills to the next level. Lenni will get you up to speed on the most significant enhancements in the product—including the latest improvements in SQL Server 2012—as he rips through the many powerful features aimed at developers.

Part 1 — T-SQL Enhancements. After kicking off with a quick introduction to SQL Server Data Tools (SSDT), the new database development environment for SQL Server in Visual Studio, we will examine the many enhancements made to the Transact-SQL language (T-SQL). We'll dive into table-valued parameters, learning how to pass entire sets of rows between stored procedures and UDFs, and even marshal them easily across the network from client to server. We'll then move on to MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML to enhance your ability to capture change data from the OUTPUT clause of any DML statement. We'll also look at the date and time data types, including support for time zone awareness. Then learn about the newest T-SQL enhancements in SQL Server 2012, such as the powerful windowing (OVER clause) enhancements, running and sliding aggregates, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

Part 2 — .NET Data Access. Your .NET applications consume SQL Server data, and so we'll examine the plethora of data access strategies available with the .NET Framework 4. We'll examine the mechanics of lan-

guage-integrated query (LINQ), and then compare conventional ADO.NET with LINQ To SQL and the ADO.NET Entity Framework. You'll see how these object relational mapping (ORM) technologies work, and also learn how WCF Data Services and WCF RIA Services can be used to extend your data's reach to the world.

Part 3 — Beyond Relational. The powerful "beyond relational" features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system. Learn about the rich XML support in the database engine, including XSD, XPath, and XQuery. With the hierarchyid data type, you will learn how to cast a hierarchical structure over any relational table. Discover how FILESTREAM and FileTable greatly enhance your native ability to store large unstructured data (binary objects) in the database using the file system. We'll also look at the geospatial data types that embeds location-intelligence into the database, and then build several location-aware applications on top of these new data types.

Part 4 — Enterprise Features. We'll conclude with three extremely convenient enterprise-level data warehousing and security features: Change Data Capture (CDC), SQL Server Audit and Transparent Data Encryption (TDE). With CDC, you can monitor and record changes made to transactional tables without requiring any application changes or resorting to triggers. Enabling TDE automatically encrypts the entire database in the background, without increasing database size, and without requiring any code. And with SQL Server Audit, virtually any action taken by any user can be recorded for auditing in either the file system or the Windows event log.

Attend this information-packed day, and you'll learn a ton of new SQL Server features!

■ **SQT1 The SQL Server 2012 Delta Guide: What's New, What's Changed – Intermediate**

Don Jones

Tuesday, December 11

11:00 a.m. – 12:15 p.m.

Join SQL Server enthusiast and author Don Jones for a whirlwind tour of what's new and changed in SQL Server 2012. Don will focus on changes since SQL Server 2008 and 2008 R2, helping you quickly recognize new features – with an emphasis on the business and operational problems these features are meant to help solve. The database engine will feature prominently in this discussion, but you'll

also get a high-level overview of new features in SQL Server's "friends:" SSRS, SSAS, and SSIS. Bring your questions and concerns and help make this a lively discussion!

■ SQT5 Transparent Database Encryption Inside and Out in SQL Server 2012 – Intermediate

Bradley Ball

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

Security is a very important part of your job and in how data is utilized. We have many tools to make data more secure, and starting in SQL 2008 we were able to add Transparent Data Encryption to that list. Find out what it does and what it doesn't do, how it effects Read-Only Filegroups, Performance, Compression (Backup and Row/Page), what the X.509 Encryption Standard is and why you should be careful of what you store and where, and other Advance Features as well as some tips on how to manage it.

You will learn:

- What Transparent Data Encryption does and does not do within SQL Server
- Tips and Tricks on how to maintain a large scale SQL Server Environment using Transparent Data Encryption
- Scripts that will allow you to use and manage Transparent Data Encryption in your Environment

■ SQT8 Programming the T-SQL Enhancements in SQL Server 2012 – Intermediate / Advanced

Leonard Lobel

Tuesday, December 11

2:00 p.m. – 3:15 p.m.

In this informative and demo-packed session, Lenni will guide you through the T-SQL enhancements in the very latest release of SQL Server. We'll dive into powerful new windowing enhancements with the OVER clause, new T-SQL functions (all 22 of them!), improved error handling with THROW, server-side paging with OFFSET/FETCH NEXT, sequence generators, rich metadata discovery techniques, and contained databases. If you want to learn the new T-SQL enhancements in SQL Server 2012, you won't want to miss out on this session!

You will learn:

- Learn new T-SQL features in SQL Server 2012
- Examine 22 new T-SQL functions, including 8 new analytic windowing functions
- Explore OVER, THROW, OFFSET, metadata discovery, and contained databases

■ SQT9 Page & Row Compression Deep Dive with SQL Server 2012 – Advanced

Bradley Ball

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

Page and Row Compression are powerful new tools. Page & Row with SQL 2008 RTM, and Page & Row with Unicode Compression with SQL 2008 R2, and now Spatial Data in SQL 2012. We can turn it on, we can turn it off, but we want more! What are Access Methods and how in the SQL Engine do they affect Compression? What are the "Gotchas" of Page Compression? How does Compression differ in the way it treats Non-Leaf & Leaf Level pages? What additional functionality did we get in DBCC Page, DMV's, Perfmon Counters, and Extended Events to support our usage of Compression? Come find out!

You will learn:

- A Deep Knowledge of what occurs internally in SQL Server when Page & Row Compression are in use at a record, page, and transactional level in multiple SQL Server Versions (2008, 2008 R2, and 2012)
- A Deep Knowledge of what tools to use to monitor Compression using Perfmon, DMV's, and Extended Events
- A Deep understanding of what types of data are candidates for compression and what types are not, and Scripts to assist you in each



SESSION DESCRIPTIONS BY TRACK, continued

■ SQW1 Utilizing Knowledge Bases with Data Quality Services in SQL Server 2012 – Intermediate

Arie Jones

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

Data operations are not only about getting data in and out of a given system but also ensuring that the data is suitable for usage. We've all heard of the phrase Bad data in, bad data out, and what good is data to us if we cannot ensure that it is correct. Most of the time we write lots of code within stored procedures and functions to compensate for our lack of a system that can help us out with this part of the data food chain. Lucky for us, Microsoft SQL Server 2012 comes with a product known as Data Quality Services (DQS), whose main goals are not only improve your data quality but also to make it much easier to implement and maintain. In this session, we will be looking at what it takes to get DQS up and running in your environment, how to set up Knowledge Bases, and how to utilize the system with tools like SSIS and Master Data Services.

You will learn:

- The basic components involved within the Data Quality Services (DQS) platform in SQL Server 2012
- How to setup, monitor, and utilize Knowledge Bases within the DQS environment
- How to integrate and utilize the DQS environment with Master Data Services and SQL Server Integration Services (SSIS)

■ SQW5 Change Data Capture in SQL Server 2012 – Intermediate / Advanced

Kevin Goff

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

In this session, Kevin will talk about Change Data Capture (CDC) terminology and configuring a database for Change Data Capture. He will show you how to read CDC log tables and CDC code samples while discussing CDC and SQL Server Agent jobs, and the use of CDC versus database triggers (and where triggers are still needed). Also, the impact of CDC on the transaction log and system performance will be explored. Finally, Kevin will talk about how to deal with schema changes, performance tuning, and using CDC in an ETL (Extract- Transform-Load) environment with SQL Server Integration Services.

You will learn:

- How the database engine in SQL Server can be configured to automatically capture changes to rows in a table
- Performance differences between Change Data Capture and other forms of audit-trail logging (such as triggers)
- How CDC might be used in a data warehousing/ETL scenario

■ SQW9 Master Data Services in SQL Server 2012 – Intermediate

Arie Jones

Wednesday, December 12

1:45 – 3:00 p.m.

Most DBAs at one time or another have been taught the importance of master data management (MDM), which is comprised of a set of processes and tools in order to keep your non-transactional data in a consistent state. However, with today's fast paced environment and tightening budgets most DBAs lack the resources to properly implement it. With the upcoming release of SQL Server 2012, Microsoft has taken their second swipe at providing a tool known as Master Data Services (MDS) to aid the DBA in this endeavor. In this session, you will learn the how Master Data Services is implemented in SQL Server 2012, setting up models, working through the Excel plug-in, and utilizing DQS and business rules to help with that dirty data. This session will definitely be an eye opener for some that were on the fence with the first release, and those that are coming into the platform with a fresh set of eyes!

You will learn:

- The basic principles that revolve around Master Data Management as it pertains to the Master Data Services platform in SQL Server 2012
- How to implement a basic Master Data Services project from setup to model creation
- How to leverage external tools like the Excel Add-in and Data Quality Services (DQS) to enhance the Master Data Services experience

■ SQW13 SQL Server 2012 Columnstore Index – Intermediate

Kevin Goff

Wednesday, December 12

4:00 – 5:15 p.m.

It might seem far-fetched that a company would upgrade to SQL Server 2012 "just" for a database index. But after

you see the performance enhancements gained from the new columnstore index in SQL Server 2012, you'll see why many are calling this one of the most important features in the history of SQL Server. In this presentation, Kevin will talk about the physical aspects of columnstore index in SQL Server 2012, how to create it, and what environments (mainly data warehousing environments) and queries can make use of it. He will show performance benchmarks between columnstore indexes in SQL Server 2012, and compare them to index strategies prior to SQL Server 2012. He will also show how the new Batch execution mode can improve performance as well.

You will learn:

- The tremendous performance boost from columnstore indexes
- What database workflow scenarios will likely benefit from the columnstore index (and which ones won't)
- Tips for optimizing certain queries to leverage the columnstore index

BUSINESS INTELLIGENCE AND BIG DATA WITH THE MICROSOFT STACK

Since the release of SQL Server 7, Microsoft has been building an industry-leading BI story that includes integration with familiar tools like Excel. With SQL Server 2012, that story keeps building and now includes tie-ins with Apache Hadoop to handle Big Data scenarios. Sessions in this track help you understand these technologies so you can implement them and help you learn how to fine-tune them, to optimize the solutions you've deployed.

■ SQT12 Possible Musics: Choosing Between Analysis Services 2012 Multidimensional and Tabular - Introductory / Intermediate

William Pearson

Tuesday, December 11

4:15 p.m. – 5:30 p.m.

Analysis Services 2012 witnesses the introduction of the Business Intelligence Semantic Model (BISM), which unifies Multidimensional (OLAP) and Tabular (relational) options for organizational BI. BI professionals can implement Multidimensional cubes for data warehousing and OLAP; or they can create Tabular models, or enhance PowerPivot models developed by business users, and then deploy them to a dedicated server. Those who have only

worked with Multidimensional models in the past, or those embarking upon a BI project for the first time with Analysis Services 2012, may find it difficult to choose between a Multidimensional or Tabular approach.

In this session, BI Architect and MVP Bill Pearson offers insight into determining the best path for a given objective. He first overviews the nature and design goals of each option, comparing Multidimensional and Tabular features. He then offers guidance on selecting the appropriate model, providing real world examples to illustrate the best approaches for given scenarios.

You will learn:

- An understanding of BISM components, and the implementation paths that BISM offers
- An overview of each of the Multidimensional and Tabular models, discussing the respective design goals, and exploring how each model fits underneath

■ SQW4 Why OLAP? Building SSAS Cubes and Benefits of OLAP – Introductory / Intermediate

Kevin Goff

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

While OLAP has been around for many years, some developers/organizations shy away from OLAP, despite the benefits it could bring them. In this presentation, I'll present an OLAP example, how to build an SSAS (Analysis Services) database, and the benefits of OLAP. I'll also compare some of the capabilities in the Analysis Services OLAP model with the new Tabular Model in SQL Server 2012. I'm an instructor who has spent years demystifying OLAP in the classroom, and I'll do the same thing in this presentation.

You will learn:

- How an OLAP database can be created from a data mart or data warehouse, and how Analysis Services handles different types of fact/dimension relationships (both simple and complex)
- The power of MDX in extending OLAP databases
- The benefits to end users who consume an OLAP database

■ SQW8 Serene Velocity: Reporting Services and Analysis Services Data – Intermediate

William Pearson

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

SESSION DESCRIPTIONS BY TRACK, continued

SSRS 2008, 2008R2 and beyond provide powerful capabilities to help us develop sophisticated reports from Microsoft SQL Server Analysis Services. Unfortunately, many of these features, such as the server aggregation function, are commonly ignored by report developers. The result: redundant work in the reporting layer. In this session, BI Architect and MVP Bill Pearson exposes ways to optimize reporting from SSAS by writing MDX that leverages, rather than replicates, what the cube is designed to do best.

You will learn:

- How to perform an overview of Reporting Services for Analysis Services
- The use of Multidimensional Expressions (MDX) in Reporting Services, focusing upon the challenges that accompany the use of the internal MDX query editor

■ SQW12 An Overview of PowerPivot 2012 – Introductory

William Pearson

Wednesday, December 12

1:45 – 3:00 p.m.

In this presentation, Microsoft BI Architect and SQL Server MVP Bill Pearson explores self-service BI as a concept. He then provides a walkthrough of the primary features of PowerPivot, focusing on how we can exploit its capabilities to offer the benefits of BI to decision makers and analysts throughout our organizations. There's no service like self-service.

You will learn:

- Self-Service BI, including the advantages and the challenges that accompany its introduction into the enterprise
- The architecture and uses of PowerPivot for Excel 2010 within the organization to support self-service

■ SQW16 Real-World SQL Server 2012 Analysis Services BISM Models – Introductory / Intermediate

Lynn Langit

Wednesday, December 12

4:00 – 5:15 p.m.

In this session we will take a deep dive into using the new BI Semantic Model in Analysis Services using examples from multiple industries – i.e. education, healthcare, open source government, etc. Lynn will compare and contrast

using the DUM to create OPAL cubes vs. using the new lightweight BISK.

Lynn will also cover client implementations, including Excel, Power Pivot, SharePoint (SIRS and Power View) and custom clients.

You will learn:

- The what, when, why of the BISM
- Compare and contrast using OLAP cubes vs. BISM models
- How to build real-world BISM models
- Understand BISM client choices

■ SQTH1 BI in the Cloud with Windows Azure SQL Reporting - Introductory / Intermediate

Eric D. Boyd

Thursday, December 13

8:00 – 9:15 a.m.

Why maintain infrastructure for operational reporting, when you can do it in the cloud with SQL Azure Reporting? SQL Azure Reporting provides a set of capabilities that are familiar for developers using SQL Server Reporting Services on-premise. Eric will begin this session by considering the benefits and scenarios for BI in the cloud. Next, he will walkthrough what you need to get started using SQL Azure Reporting. He will then develop and deploy some reports to SQL Azure Reporting. Unfortunately, SSRS and SQL Azure Reporting do not have complete feature parity. As a result, he will conclude by reviewing the challenges and limitations of using SQL Azure Reporting over SQL Server Reporting Services.

You will learn:

- The benefits of BI in the Cloud
- The capabilities of SQL Azure Reporting
- How to create and deploy reports to SQL Azure Reporting
- An understanding the limitations of SQL Azure Reporting

■ SQTH4 Power View from the Data Visualization Perspective – Intermediate

Jennifer Stirrup

Thursday, December 13

8:00 – 9:15 a.m.

Power View is Microsoft's Data Visualization tool. Where does it get it right, and where does it get it wrong? Using demos, we learn about Power View whilst assessing it based on current cognitive research around Data Visualization principles by luminaries such as Stephen Few, Tufte

and others. We will:

- Investigate Power View based on current cognitive research around Data Visualization principles
- Look at the features of Power View
- Look at where Power View is supplemented by other parts of the Microsoft Business Intelligence stack

Come to this session if you really want to think about the best ways of presenting data to your Business Intelligence data consumers, and see how to apply these principles in Power View.

You will learn:

- How Power View can be used to effectively visualize data in order to drive strategic enterprise decisions
- SQL Server from the Business User perspective, not the purely technical perspective
- The complexities of Data Visualization as a paradigm

■ SQTH5 Add It Up: Analysis Services Aggregations – Intermediate / Advanced

Craig Utley

Thursday, December 13

9:30 – 10:45 a.m.

Are you looking to maximize the performance of your Analysis Services queries? This session explains what aggregations are and how they work. You'll learn how to create aggregations, tune the aggregations based on actual usage, and design custom aggregations when necessary. You'll discover the benefits and pitfalls of flexible aggregations, when to use rigid aggregations, and the meaning of lazy aggregation processing. You'll dive into queries to see if aggregations are being used and learn when aggregations aren't useful. If you thought aggregation design began and ended with the aggregation wizard, you owe it to yourself (and your cubes) to attend this session.

You will learn:

- How SSAS creates and uses aggregations
- To monitor queries to ensure aggregations are being used
- How to develop a framework to create meaningful aggregations and improve them over time

■ SQTH8 Microsoft's Big Play for Big Data – Intermediate

Andrew Brust

Thursday, December 13

9:30 – 10:45 a.m.

Big Data entails collecting and analyzing large volumes of data obtained from Web, social media, scientific and other

pools of fast-growing event-driven data. Relational databases are rarely employed in big data scenarios, so using SQL Server for big data can be tricky. In response, Microsoft has announced its planned implementation of Windows Server and Windows Azure implementations of Hadoop, the open source NoSQL engine widely used in Big Data implementations. And the plot thickens as Microsoft has also announced its plan to fit SQL Server business intelligence (BI) tools on top of Hadoop, to make the analysis part of Big Data work with familiar and accessible Microsoft technologies. Come to this session to get an overview of Big Data, Hadoop and the Microsoft BI stack integration. See how your skills can be applied to this rapidly growing part of the industry.

■ SQTH9 Why Business Intelligence Projects Fail (And What You Can Do About It) – Introductory

Craig Utley

Thursday, December 13

11:00 a.m. – 12:15 p.m.

Is your organization planning to build a data warehouse or BI solution? Data warehousing projects, like many large IT projects, have high failure rates. While the exact rate of failure for data warehousing projects is difficult to pin down, the causes of these failures fall into a small number of categories. It is obviously possible to successfully complete a data warehousing project and deliver value to the business. Craig Utley has seen Microsoft BI solutions in various states of completeness at over 30 companies worldwide and has seen some awesome successes and some spectacular failures. This session addresses the reasons data warehousing projects fail and how you can succeed in overcoming these obstacles.

You will learn:

- The leading causes of failure for BI projects
- What steps can be taken to reduce the impact of problems with BI projects
- What steps to take to avoid problems from the start

■ SQTH12 Hadoop and its Ecosystem Components in Action – Intermediate / Advanced

Andrew Brust

Thursday, December 13

11:00 a.m. – 12:15 p.m.

It's one thing to have a high-level understanding of Big Data, Hadoop and MapReduce; it's quite another to feel comfortable working with the tools. In this demo-heavy session with SQL Server Live! Co-Chair and ZDNet Big

SESSION DESCRIPTIONS BY TRACK, continued

Data blogger Andrew Brust, we'll take a look at actual MapReduce code and see Hadoop ecosystem components HBase, Hive, Pig and Mahout in action.

■ SQTH13 Avoid Slow SSAS Queries: MDX Query Troubleshooting – Advanced

Craig Utley

Thursday, December 13

1:30 – 2:45 p.m.

Do you have SSAS queries that you feel should be faster? Multidimensional Expressions, or MDX, is the language used to work with Analysis Services. Similar to SQL for the relational engine, MDX is a language for queries and DDL statements on multidimensional cubes in Analysis Services. Troubleshooting slow MDX queries is often challenging because the level of support provided by the tools and the Analysis Services engine is not as mature as that found in the relational engine. This session covers the methods for examining slow queries using the SQL Profiler and Performance Monitor to determine the need for aggregations, caching problems, memory constraints, and so forth. Best practices for optimizing MDX will be examined, and various server properties will be discussed as necessary to help correct query issues. Attendees will leave armed with a practical approach to locating bottlenecks and strategies for speeding up queries.

You will learn:

- Techniques for analyzing slow MDX queries
- How to analyze and fix slow MDX queries
- The internals of MDX queries against Analysis Services

■ SQTH16 NoSQL for the SQL Server Professional – Introductory / Intermediate

Lynn Langit

Thursday, December 13

1:30 – 2:45 p.m.

In this session you will learn the what, why, how, when, and where around non-relational (NoSQL) database technologies. Here you will understand the different types of NoSQL data storage options that are in popular use now. These include graph databases, such as Neo4j and Freebase; key-value stores such as DynamoDB and Cassandra, document data stores such as MongoDB and column data stores such as Hadoop. You will learn about both locally hosted versions of these data stores as well as cloud-based versions. Importantly, you'll understand when

to use which type(s) of data stores to best suit your business requirements.

You will learn:

- WHEN to use NoSQL (vs. RDBMS) - for which business scenarios
- WHICH type of NoSQL is right for which type of business scenario, i.e. when to use a graph database, when to use a columnstore and will see an example (DEMO) of each type
- The major vendor's cloud noSQL offerings (AWS, Google, Azure) and be able to differentiate between those offerings

■ SQTH17 Secure SSAS Data Without Tying Yourself Up in Knots – Intermediate / Advanced

Craig Utley

Thursday, December 13

3:00 – 4:15 p.m.

Are you looking for the best way to secure the data in your cube? There are several approaches to applying data security, each with its own pros and cons. Learn about the basic built-in security, and then see approaches for extending this through dynamic security, using security dimensions, and SSAS stored procedures. You'll see examples of each as well as a discussion of when to use which approach.

You will learn:

- How security works in SSAS
- How to decide on which security implementations to choose and why
- How to extend the security model with custom security

■ SQTH20 Mobile Business Intelligence for Everyone, Now! – Introductory / Intermediate

Jennifer Stirrup

Thursday, December 13

3:00 – 4:15 p.m.

Microsoft has made serious commitments to mobile Business Intelligence. What is the roadmap? What's available right now, and how can it be implemented at your organization?

During the session, the audience will be invited to try out mobile Business Intelligence on mobile devices so you can maximize your learning experience about this technology.

Using mobile technology, come to this demo-rich session to discover a number of novel ways to implement mobile Business Intelligence from the technical perspective. We will look at a variety of ways to deploy mobile Business Intelligence using Microsoft technologies such as:

- SharePoint
- SQL Server Reporting Services
- SQL Azure
- Excel Services
- Power Pivot

You will learn:

- What's available for mobilizing Business Intelligence in the Microsoft stack
- What's available for mobilizing Business Intelligence using SQL Azure Reporting Services
- Why mobilizing Business Intelligence is important

■ **SQF1 Workshop: The Data Warehousing Process in a Day – Design, Build, and Deliver – Introductory / Intermediate**

Craig Utley

Friday, December 14, 8:00 a.m. – 5:00 p.m.

Are you interested in starting a data warehousing project but are unsure of the necessary steps, including the pitfalls you'll need to avoid? Join Craig Utley for a full-day workshop that walks through the entire process of data warehousing. You'll learn about designing a dimensional model to address a business issue, design the ETL (extraction, transformation, and loading) to load the dimensional model, build an Analysis Services cube from the dimensional data, and then deliver the data using a variety of tools to support diverse user needs. Craig Utley has been working with the Microsoft BI stack since the betas of SQL Server 7.0 and is a former Program Manager with the Microsoft SQL Server Customer Advisory Team (SQLCAT), where he worked with some of the world's largest SQL Server data warehouses. This workshop will not only show you how to build a warehouse, but will also discuss best practices and pitfalls.

You will learn:

- How to start a project the right way from the beginning
- Understand the major decision points along the way
- How to create and manage a project to maximize the chances of success

■ **SQF2 Workshop: Big Data and NoSQL in Microsoft-Land – Intermediate**

Andrew Brust and Lynn Langit

Friday, December 14

8:00 a.m. – 5:00 p.m.

There you are, minding your own RDBMS/BI business when along come the phenomena of Big Data and NoSQL, taking the world by storm. But what kind of world is that? With databases that aren't relational or transactional, a distributed processing engine based on Java, and a zillion open source projects with names like Hadoop, Mongo, Pig and Cassandra, it's a world that may seem pretty alien. It almost wants to make you keep minding your own business.

You shouldn't ignore these technologies and the reality is that you don't have to. While the culture NoSQL and Big Data is different from that of relational and multidimensional technologies, many of the underlying principles and problems are the same. Your RDBMS and BI aptitude has significant value in the NoSQL and Big Data world. To realize that value, you just need an introduction to these technologies given by people with an enterprise data platform sensibility. SQL Server/Microsoft BI/NoSQL/Big Data experts Lynn Langit and Andrew Brust are your humble servants in that very capacity.

In this workshop we'll discuss what Big Data and NoSQL are all about and we'll provide practical demos of the relevant technologies. Specifically, we will:

- Discuss the different types of NoSQL database storage
- Create databases and run queries against them, using NoSQL products including MongoDB and HBase
- Explore the world of Big Data and get a sense of what Hadoop and MapReduce are all about
- Look at Microsoft's own distribution of Hadoop for Windows Azure, and discuss other Hadoop "distros"
- Run MapReduce jobs using not only Java, but also JavaScript, Hadoop add-on tools like Hive and Pig, and even good old C#

We'll finish by reeling things back in to the Microsoft world, and take a look at how tools like Reporting Services, PowerPivot, Power View and even Excel can query Hadoop. We'll also discuss how SQL Server Parallel Data Warehouse Edition fits into the Big Data puzzle. We'll even discuss how various features of SQL Server and other Microsoft products deliver elements of NoSQL functionality while letting you continue your work with relational technology. At the end of the workshop, you won't just understand NoSQL and Big Data; you'll appreciate how they enhance the relational and BI world more than they threaten it, and how you can capitalize on that very synergy.

SESSION DESCRIPTIONS BY TRACK, continued

SQL SERVER VIRTUALIZATION AND IN THE CLOUD

Virtualize SQL Server? Run SQL Server in “the cloud?” Sure, why not? Provided, of course, you do it right – and that’s what sessions in this track will help you do. From under-the-hood details to prescriptive advice, this is where to come for the most accurate and up-to-date information in the industry.

■ SQW2 Virtualizing SQL Server – Intermediate / Advanced

Don Jones

Wednesday, December 12

9:15 a.m. – 10:30 a.m.

To virtualize or not to virtualize? When it comes to SQL Server, there sure have been a variety of answers to that question over the years. Come share your thoughts, questions, and experiences in this interactive discussion hosted by Redmond Magazine columnist Don Jones. Don will lay out the “common wisdom” (and rumors and myths) about SQL Server virtualization, and help dispel virtualization misinformation about SQL Server 2008, 2008R2, and 2012. If you’re new to SQL Server, you’ll learn a bit about how SQL Server has technically supported “virtualization” long before vSphere or Hyper-V came on the scene, and about the different options you’ve got for virtualizing SQL Server in a modern environment.

■ SQW6 Intro to Windows Azure SQL Database and What’s New – Introductory / Intermediate

Eric D. Boyd

Wednesday, December 12

11:00 a.m. – 12:15 p.m.

Windows Azure provides many options for storing data. SQL Azure is Windows Azure’s solution for working with relational data. If you are familiar with SQL Server, SQL Azure will be a natural extension of your knowledge and skills.

In this session, you will get introduced to SQL Azure and learn how to get started. We will explore how to migrate an existing on-premise SQL Server database to SQL Azure. We will then walkthrough how to manage and administer your SQL Azure servers and databases. We will take a look at

how to connect and build applications using SQL Azure. Next, we will look at more advanced scenarios using new capabilities like reporting with SQL Azure Reporting, scaling and sharding databases with SQL Azure Federations and synchronizing data with SQL Azure Data Sync for hybrid scenarios and global reach. Finally, we will explore some of the things you should consider when using SQL Azure.

You will learn:

- Overview of SQL Azure
- How to Get Started with SQL Azure
- Tools and Techniques when using SQL Azure
- What’s New in SQL Azure

■ SQW10 Storage Strategies in Windows Azure – Intermediate

Eric D. Boyd

Wednesday, December 12

1:45 – 3:00 p.m.

The Windows Azure Platform provides a plethora of options for data storage and trying to make sense of it all can be overwhelming. In this session, we will explore the Windows Azure data services including SQL Azure, Table and Blob Storage, Local Compute Storage and Caching. We will walk through the scenarios that each data service addresses, and we will dive into how to work with each of them. Lastly, we will explore the factors that encourage using one service over another when multiple fit into your solution and how they can complement each other when used together.

You will learn:

- Overview of the Windows Azure data services
- How to work with each Windows Azure data service
- Scenarios for using each data service and when to use them together

■ SQW14 What DBAs Need to Know About SQL Azure – Intermediate

Arie Jones

Wednesday, December 12

4:00 – 5:15 p.m.

Cloud computing is one of the hot topic issues of the day and Microsoft is pushing hard to show that they are in the game to win. As such, SQL Azure is your data storage in the cloud solution. However, the platform is much different from simply a SQL Server that sits in the cloud

and needs to be approached in an intelligent manner. In this fast paced session, we will be going well beyond the simple hello world scenario to show you how to leverage the cloud architecture for data storage as well as educate you in how the cloud works differently than your local database instance. Learn all of the functionality as well as the limitations so that you can make an educated decision when looking to move resource to a cloud based environment. This session is going to be an eye opener for sure and will have many of you dreaming of your data sitting in the cloud.

You will learn:

- The basic components of the SQL Azure platform
- How to setup and maintain SQL Azure instances in the cloud
- Best practices and limitations of the SQL Azure platform that impact application design and implementation

WORKSHOPS

Get deep coverage of key topics by registering for SQL Server 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 DBAs, Developers, and IT Professionals.

Monday, December 10, 2012

■ **SQM1 Workshop: Being a SQL Server DBA – Even If You'd Rather Not – Introductory / Intermediate**

Don Jones

Monday, December 10

8:00 a.m. – 12:00 p.m.

Are you stuck being a database administrator just because you're the "Microsoft person" in your environment? Less concerned with writing queries than just maintaining SQL Server and getting back to your "real" job? Congratulations: You're a Reluctant DBA, and this half-day workshop is made for you! Microsoft expert, author, and MVP award recipient Don Jones introduces you to everything you'll need to know to make SQL Server work better, longer, and faster. You'll learn how SQL works under the hood, learn the basics of the

T-SQL query language, and learn how to perform critical tasks like backup and recovery. You'll learn about core performance troubleshooting and tuning techniques, including how to use SQL Profiler and the Database Engine Tuning Advisor. You'll learn about your options for high availability, and peek into techniques and technologies for multi-server administration. Administering a SQL Server that supports a prepackaged application? You'll also learn what's generally safe and unsafe to do, so that you can focus your efforts on where they'll make the most difference.

This is not a hands-on workshop and power for laptops will not be provided in the session room.

■ **SQM2 Workshop: Developer Dive into SQL Server 2012 – Intermediate**

Leonard Lobel

Monday, December 10

8:00 a.m. – 6:00 p.m.

If you are a .NET developer building any kind of application on top of SQL Server, then this intensive demo-packed day is just what you need to advance your skills to the next level. Lenni will get you up to speed on the most significant enhancements in the product—including the latest improvements in SQL Server 2012—as he rips through the many powerful features aimed at developers.

Part 1 — T-SQL Enhancements. After kicking off with a quick introduction to SQL Server Data Tools (SSDT), the new database development environment for SQL Server in Visual Studio, we will examine the many enhancements made to the Transact-SQL language (T-SQL). We'll dive into table-valued parameters, learning how to pass entire sets of rows between stored procedures and UDFs, and even marshal them easily across the network from client to server. We'll then move on to MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML to enhance your ability to capture change data from the OUTPUT clause of any DML statement. We'll also look at the date and time data types, including support for time zone awareness. Then learn about the newest T-SQL enhancements in SQL Server 2012, such as the powerful windowing (OVER clause) enhancements, running and sliding aggregates, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

Part 2 — .NET Data Access. Your .NET applications consume SQL Server data, and so we'll examine the

SESSION DESCRIPTIONS BY TRACK, continued

plethora of data access strategies available with the .NET Framework 4. We'll examine the mechanics of language-integrated query (LINQ), and then compare conventional ADO.NET with LINQ To SQL and the ADO.NET Entity Framework. You'll see how these object relational mapping (ORM) technologies work, and also learn how WCF Data Services and WCF RIA Services can be used to extend your data's reach to the world.

Part 3 — Beyond Relational. The powerful "beyond relational" features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system. Learn about the rich XML support in the database engine, including XSD, XPath, and XQuery. With the hierarchyid data type, you will learn how to cast a hierarchical structure over any relational table. Discover how FILESTREAM and FileTable greatly enhance your native ability to store large unstructured data (binary objects) in the database using the file system. We'll also look at the geospatial data types that embeds location-intelligence into the database, and then build several location-aware applications on top of these new data types.

Part 4 — Enterprise Features. We'll conclude with three extremely convenient enterprise-level data warehousing and security features: Change Data Capture (CDC), SQL Server Audit and Transparent Data Encryption (TDE). With CDC, you can monitor and record changes made to transactional tables without requiring any application changes or resorting to triggers. Enabling TDE automatically encrypts the entire database in the background, without increasing database size, and without requiring any code. And with SQL Server Audit, virtually any action taken by any user can be recorded for auditing in either the file system or the Windows event log.

Attend this information-packed day, and you'll learn a ton of new SQL Server features!

■ **SQM3 Workshop: SQL Server High Availability and Disaster Recovery Deep Dive – Intermediate / Advanced**

Edwin Sarmiento

Monday, December 10

8:00 a.m. – 6:00 p.m.

High Availability and Disaster Recovery (HA/DR) is an area that every SQL Server DBA needs to be comfortable with. In this full-day workshop, learn what needs to be consid-

ered when embarking on a HA/DR project, the different features and technologies available in SQL Server, and implement them accordingly to meet service level agreements of mission-critical databases.

You will learn:

- What requirements need to be met when implementing an HA/DR project
- How to identify different SQL Server features and technologies – backup, recovery, database mirroring, log shipping, clustering, AlwaysOn – that can be used in addressing HA/DR requirements
- How to implement the appropriate technology to meet HA/DR service level agreements

■ **SQM4 Workshop: T-SQL for the Report Writer – Introductory**

David Dye

Monday, December 10

1:00 p.m. – 5:00 p.m.

This four hour workshop is targeted for the analysts who are required to create reports against SQL Server databases. The workshop focuses on writing efficient T-SQL queries to return data sets for any reporting solution, SSRS, Crystal Reports, Active Reports, etc. This workshop will serve as an introduction to T-SQL's DQL, Data Query Language, and is meant for anyone who has a general knowledge of SQL Server.

The workshop will cover:

- An introduction to T-SQL
- T-SQL querying tools
- Basic T-SQL syntax
- Basic SELECT statements
- Filter results
- Joining tables
- Aggregating values
- String functions

Friday, December 14, 2012

■ **SQF1 Workshop: The Data Warehousing Process in a Day – Design, Build, and Deliver – Introductory / Intermediate**

Craig Utley

Friday, December 14

8:00 a.m. – 5:00 p.m.

Are you interested in starting a data warehousing project but

are unsure of the necessary steps, including the pitfalls you'll need to avoid? Join Craig Utley for a full-day workshop that walks through the entire process of data warehousing. You'll learn about designing a dimensional model to address a business issue, design the ETL (extraction, transformation, and loading) to load the dimensional model, build an Analysis Services cube from the dimensional data, and then deliver the data using a variety of tools to support diverse user needs. Craig Utley has been working with the Microsoft BI stack since the betas of SQL Server 7.0 and is a former Program Manager with the Microsoft SQL Server Customer Advisory Team (SQLCAT), where he worked with some of the world's largest SQL Server data warehouses. This workshop will not only show you how to build a warehouse, but will also discuss best practices and pitfalls.

You will learn:

- How to start a project the right way from the beginning
- Understand the major decision points along the way
- How to create and manage a project to maximize the chances of success

■ **SQL2 Workshop: Big Data and NoSQL in Microsoft-Land – Intermediate**

Andrew Brust and Lynn Langit

Friday, December 14

8:00 a.m. – 5:00 p.m.

There you are, minding your own RDBMS/BI business when along come the phenomena of Big Data and NoSQL, taking the world by storm. But what kind of world is that? With databases that aren't relational or transactional, a distributed processing engine based on Java, and a zillion open source projects with names like Hadoop, Mongo, Pig and Cassandra, it's a world that may seem pretty alien. It almost wants to make you keep minding your own business.

You shouldn't ignore these technologies and the reality is that you don't have to. While the culture NoSQL and Big Data is different from that of relational and multidimensional technologies, many of the underlying principles and problems are the same. Your RDBMS and BI aptitude has significant value in the NoSQL and Big Data world. To realize that value, you just need an introduction to these technologies given by people with an enterprise data platform sensibility. SQL Server/Microsoft BI/NoSQL/Big Data experts Lynn Langit and Andrew Brust are your humble servants in that very capacity.

In this workshop we'll discuss what Big Data and NoSQL are all about and we'll provide practical demos of the relevant technologies. Specifically, we will:

- Discuss the different types of NoSQL database storage
- Create databases and run queries against them, using NoSQL products including MongoDB and HBase
- Explore the world of Big Data and get a sense of what Hadoop and MapReduce are all about
- Look at Microsoft's own distribution of Hadoop for Windows Azure, and discuss other Hadoop "distros"
- Run MapReduce jobs using not only Java, but also JavaScript, Hadoop add-on tools like Hive and Pig, and even good old C#

We'll finish by reeling things back in to the Microsoft world, and take a look at how tools like Reporting Services, PowerPivot, Power View and even Excel can query Hadoop. We'll also discuss how SQL Server Parallel Data Warehouse Edition fits into the Big Data puzzle. We'll even discuss how various features of SQL Server and other Microsoft products deliver elements of NoSQL functionality while letting you continue your work with relational technology. At the end of the workshop, you won't just understand NoSQL and Big Data; you'll appreciate how they enhance the relational and BI world more than they threaten it, and how you can capitalize on that very synergy.



Web / HTML5	Mobile	WPF / Silverlight	Windows 8 / WinRT	Visual Studio / .NET
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START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, December 10, 2012 (Separate entry fee required)		
6:30 am	8:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries		
8:00 am	12:00 pm	VSM1 - Workshop: XAML User Experience Design - <i>Billy Hollis</i>	VSM2 - Workshop: Services - Using WCF and ASP.NET Web API - <i>Miguel Castro</i>	VSM3 - Workshop: Build a Windows 8 Application in a Day - <i>Rockford Lhotka</i>
12:00 pm	1:00 pm	Lunch		
1:00 pm	5:00 pm	VSM1 - Workshop: XAML User Experience Design - <i>Billy Hollis</i>	VSM2 - Workshop: Services - Using WCF and ASP.NET Web API - <i>Miguel Castro</i>	VSM3 - Workshop: Build a Windows 8 Application in a Day - <i>Rockford Lhotka</i>
5:00 pm	7:00 pm	EXPO Preview		
7:00 pm	8:00 pm	Live! 360 Keynote		

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, December 11, 2012		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
8:00 am	9:00 am	Visual Studio 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	VST1 - What's New in Azure for Developers - <i>Vishwas Lele</i>	VST2 - Leveraging XAML for a Great User Experience - <i>Billy Hollis</i>	VST3 - Intro to Metro - <i>Miguel Castro</i>
12:15 pm	2:00 pm	Lunch • Visit the EXPO		
2:00 pm	3:15 pm	VST5 - Azure Web Sites - <i>Steve Michelotti</i>	VST6 - Implementing the MVVM Pattern in WPF - <i>Miguel Castro</i>	VST7 - Smackdown: Metro Style Apps vs. Websites - <i>Ben Dewey</i>
3:15 pm	4:15 pm	Networking Break • Visit the EXPO		
4:15 pm	5:30 pm	VST9 - In Depth Azure IaaS - <i>Vishwas Lele</i>	VST10 - Building High Performance, Human-Centered Interactive Data Visualizations Dashboards - <i>Nick Landry</i>	VST11 - Going from Silverlight or WPF to Metro - <i>Greg Levenhagen</i>
5:30 pm	7:30 pm	Exhibitor Reception		

START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, December 12, 2012		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
8:00 am	9:00 am	Visual Studio Live! Keynote		
9:15 am	10:30 am	VSW1 - JavaScript and jQuery for .NET Developers - <i>John Papa</i>	VSW2 - Navigation and UI Shells for XAML Applications - <i>Billy Hollis</i>	VSW3 - Filling Up Your Charm Bracelet - <i>Ben Dewey</i>
10:30 am	11:00 am	Networking Break • Visit the EXPO		
11:00 am	12:15 pm	VSW5 - Applying JavaScript Patterns - <i>John Papa</i>	VSW6 - Static Analysis in .NET - <i>Jason Bock</i>	VSW7 - Windows 8 Azure Services - <i>Rockford Lhotka</i>
				VSW8 - Reach the Mobile Masses with ASP.NET MVC 4 and jQuery Mobile - <i>Keith Burnell</i>

12:15 pm	1:45 pm	Round Table Lunch • Visit the EXPO			
1:45 pm	3:00 pm	VSW9 - HTML5 for Business: Forms and Input Validation - <i>Todd Anglin</i>	VSW10 - Controlling ASP.NET MVC 4 - <i>Philip Japikse</i>	VSW11 - Using Azure with Windows Phone and Windows 8! - <i>Greg Levenhagen</i>	VSW12 - iOS Development Survival Guide for the .NET Guy - <i>Nick Landry</i>
3:00 pm	4:00 pm	Networking Break • Visit the EXPO • Expo Raffle			
4:00 pm	5:15 pm	VSW13 - Making HTML5 Work Everywhere - <i>Todd Anglin</i>	VSW14 - I'm Not Dead Yet! AKA the Resurgence of WebForms - <i>Philip Japikse</i>	VSW15 - From a New Win8 Project to the Store - <i>Elad Shaham</i>	VSW16 - Creating Restful Web Services with the Web API - <i>Rob Daigneau</i>

START TIME	END TIME	Visual Studio Live! Day 3: Thursday, December 13, 2012			
7:00 am	8:00 am	Registration - Coffee and Morning Pastries			
8:00 am	9:15 am	VSTH1 - Identify & Fix Performance Problems with Visual Studio Ultimate - <i>Benjamin Day</i>	VSTH2 - Patterns for Parallel Programming - <i>Tiberiu Covaci</i>	VSTH3 - Windows 8 Metro Style Apps for the Enterprise - <i>Ben Hoelting</i>	VSTH4 - How to Take WCF Data Services to the Next Level - <i>Rob Daigneau</i>
9:30 am	10:45 am	VSTH5 - Building Single Page Web Applications with HTML5, ASP.NET MVC4, Upshot.js and Web API - <i>Marcel de Vries</i>	VSTH6 - ALM Features in VS12 - <i>Brian Randell</i>	VSTH7 - Build Windows 8 Apps using Windows Online Services - <i>Rockford Lhotka</i>	VSTH8 - To Be Announced
11:00 am	12:15 pm	VSTH9 - Busy .NET Developer's Guide to Node.js - <i>Ted Neward</i>	VSTH10 - Intellitrace, What is it and How Can I Use it to My Benefit? - <i>Marcel de Vries</i>	VSTH11 - Expression Blend 5 For Developers : Design Your XAML or HTML5\CSS3 UI Faster - <i>Ben Hoelting</i>	VSTH12 - To Be Announced
12:15 pm	1:30 pm	Lunch			
1:30 pm	2:45 pm	VSTH13 - A Practical Look at the NOSQL and Big Data Hullabaloo - <i>Sam Bisbee</i>	VSTH14 - Team Foundation Server 2012 Builds: Understand, Configure, and Customize - <i>Benjamin Day</i>	VSTH15 - Making your Windows 8 App Come to Life, Even When It's Not Running - <i>Elad Shaham</i>	VSTH16 - EF Code First Magic Unicorn Edition and Beyond - <i>Keith Burnell</i>
3:00 pm	4:15 pm	VSTH17 - Introduction to OAuth - <i>Ted Neward</i>	VSTH18 - Azure Hosted TFS - <i>Brian Randell</i>	VSTH19 - No User Controls Please: Customizing Metro Style Controls using XAML - <i>Elad Shaham</i>	VSTH20 - The LINQ Programming Model - <i>Marcel de Vries</i>
4:30 pm	5:45 pm	Live! 360 Conference Wrap-up			

START TIME	END TIME	Visual Studio Live! Post-Conference Workshops: Friday, December 14, 2012 <i>(Separate entry fee required)</i>	
7:00 am	8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries	
8:00 am	12:00 pm	VSF1 - Workshop: Mastering ASP.NET MVC4 in Just One Day - <i>Tiberiu Covaci</i>	VSF2 - Workshop: ALM with Visual Studio 2012 and Team Foundation Server 2012 - <i>Brian Randell</i>
12:00 pm	1:00 pm	Lunch	
1:00 pm	5:00 pm	VSF1 - Workshop: Mastering ASP.NET MVC4 in Just One Day - <i>Tiberiu Covaci</i>	VSF2 - Workshop: ALM with Visual Studio 2012 and Team Foundation Server 2012 - <i>Brian Randell</i>

Speakers and sessions subject to change

VISUAL STUDIO LIVE! SESSION DESCRIPTIONS BY TRACK

WORKSHOPS

Begin and end your time at Visual Studio Live! with these all-day, information-packed sessions.

■ VSM01 Workshop: XAML User Experience Design – Introductory

Billy Hollis

Monday, December 10

8:00am – 5:00pm

If you develop software specifically for the Microsoft platform, you have a stark choice. You can keep on creating the same kinds of user experiences you've always done, and be left behind the same way DOS programmers were. Or you can learn new principles, embrace new techniques, and create modern applications with higher productivity, lower training, and higher user satisfaction. This workshop was created to give you an entry point to the second path. It travels territory unfamiliar to most XAML developers – fundamental design principles rooted in the human brain, new ways of storyboarding and prototyping user interfaces, and ways to combine left-brained analytical power with right-brained intuition and design. You'll see examples of next generation applications, and do interactive exercises to start down the path of creating such applications yourselves.

■ VSM02 Workshop: Services – Using WCF and ASP.NET Web API – Intermediate

Miguel Castro

Monday, December 10

8:00am – 5:00pm

Service Oriented Architectures are the best way to ensure that today's applications are maintainable and scalable in a volatile world filled with ever-changing demands. Decomposing your systems into smaller, loosely coupled, and more autonomous components ensures that your application can continue to grow or change without having to continuously undergo rewrites or redesigns. But with great power comes great responsibility, and the need for great technology and tooling. Windows Communication Foundation is the heart of Microsoft's stack for building connected systems and loosely coupled components. ASP.NET Web API is the latest addition to this stack in a world where REST and its interoperable power becomes more necessary and in more demand. Come learn both of these technologies and how to properly use them, either apart or together. There's a place for SOAP and there's a place for REST, and many applica-

tions benefit from using them both. I'll teach you what a Service Oriented Architecture is and how to use WCF from service design to security. Then I'll show you how your application can expose a Restful API and allow anybody to write a client for it, no matter what technology they're using.

You will learn:

- Writing services using WCF
- Developing REST APIs with WebAPI
- Proper application of various WCF configurations

■ VSM03 Workshop: Build a Windows 8 Application in a Day – Introductory / Intermediate

Rockford Lhotka

Monday, December 10

8:00am – 5:00pm

Building a Windows Runtime (WinRT) app requires that you understand the WinRT environment, API, and related services. In this workshop you'll learn how to build a WinRT app in .NET and XAML from the ground up. This includes choosing the right project template, building the UI, interacting with remote services, integrating with the Windows 8 operating system through charms and other WinRT API services, and more. By the end of the day you'll have a good understanding of WinRT development and everything the Windows 8 platform has to offer.

■ VSF01 Workshop: Mastering ASP.NET MVC4 in Just One Day – Intermediate

Tiberiu Covaci

Friday, December 14

8:00am – 5:00pm

If you are still considering whether you want to go over to MVC then bring your computer to this workshop and we will build an application from scratch using MVC 4. You will need the latest version of Visual Studio installed prior to this session.

You will learn:

- ASP.NET MVC 4
- Visual Studio 2011
- ASP.NET 4

■ VSF02 ALM with Visual Studio 2012 and Team Foundation Server 2012 – Intermediate

Brian Randall

Friday, December 14

8:00am – 5:00pm

Application Lifecycle Management is about an idea that becomes a software solution that's deployed and managed and ultimately retired. In this workshop, Brian will show you how Microsoft's tool suite has changed and evolved to help you manage your entire lifecycle. You'll learn about the new requirement gathering tools, the new rich based web based Product Backlog, Kanban Board, and Task Boards. You'll learn about new features for developers including local workspaces, code comparison, and code review. We'll look at IntelliTrace, a feature of Visual Studio 2012 Ultimate for developers, testers, and IT Pros. You'll learn what's new for Testers including support for Windows 8 apps and finally you'll learn about DevOps and how System Center 2012 can help you find problems in production applications.

WEB / HTML5

Microsoft's Web development technologies continue to evolve and improve; today Microsoft provides ASP.NET Web Forms, ASP.NET MVC and the ASP.NET Web API, and there's a lot to cover. Meanwhile, HTML5 is an industry-wide phenomenon with influence extending not just to the Web but to every major mobile platform, and even to Windows 8. This track covers:

- ASP.NET Web Forms
- ASP.NET MVC
- ASP.NET Web API
- Azure Web Hosting
- HTML5, JavaScript and jQuery
- Node.js
- OAuth

■ VST05 Azure Web Sites – Intermediate

Steve Michelotti

Tuesday, December 11

2:00pm – 3:15pm

Azure Web Sites brings a whole new level of power and simplicity to cloud computing. This demo-heavy session will show numerous features that allow you to deploy your site in a matter of seconds. Whether you are building a completely custom app or deploying from one of the numerous templates provided (such as WordPress), you'll be up and running in no time. Want to use Node.js or PHP and deploy from Git? No problem! Azure Web Sites gives you the power of elastic scaling while still providing streamlined development and an effortless deployment experience. This presentation will also cover features including monitoring,

custom domains, working with SQL databases or more!

You will learn:

- New features of Azure Web Sites
- Deployment models offered by Azure Web Sites
- Scaling options provided by Azure Web Sites
- Developer experience/workflow when using Azure Web Sites

■ VSW01 JavaScript and jQuery for .NET Developers – Introductory

John Papa

Wednesday, December 12

9:15am – 10:30am

Are you a .NET developer interested in translating your skills to JavaScript and jQuery? This session is targeted for skilled developers haven't invested adequate time to learn some of the fundamental JavaScript concepts that differ from C# and .NET concepts. This is a code example heavy, on the fly, session that covers the basics of JavaScript from the perspective of a .NET developer. Come and learn together in this interactive session that offers basics and tips to for both JavaScript and jQuery.

You will learn:

- Grok the fundamentals of JavaScript
- Discern the similarities and differences between JavaScript .NET
- Learn best practices for getting started

■ VSW05 Applying JavaScript Patterns – Intermediate

John Papa

Wednesday, December 12

11:00am – 12:15pm

JavaScript gets a bad rap sometimes for easily confused global variables, script files that are thousands of lines long, and mixing html with script code. But it doesn't have to be that way. This session will demonstrate common techniques to separate structure (HTML), behavior (JavaScript) and presentation (CSS) with modern Web development. I'll offer a few tips to make your JavaScript more maintainable, manage namespacing, and demonstrate how to implement various JavaScript patterns.

You will learn:

- About JavaScript Patterns such as the Revealing Module Pattern
- How to create clean separation of HTML, CSS and JavaScript
- How to apply the Single responsibility Principle (SRP) to JavaScript

SESSION DESCRIPTIONS BY TRACK, continued

■ VSW09 HTML5 for Business: Forms and Input Validation – Intermediate

Todd Anglin

Wednesday, December 12

1:45pm – 3:00pm

Most talk about HTML5 generally revolves around the fun and exciting technologies like Geolocation, Video, and the powerful styling CSS3 brings to the party. But how useful is HTML5 for business apps? HTML5 promises a number of new features in browsers that will make data entry and validation easier for developers and end-users. In this session, you will learn how HTML5 is helping business developers simplify working with data and input validation, and see practical techniques for leveraging these features across all browsers, old and new.

You will learn:

- Learn about new data types and features in HTML forms
- Discover techniques for customizing and controlling HTML forms behavior
- Explore solutions for making HTML5 forms work in older browsers

■ VSW10 Controlling ASP.NET MVC 4 – Introductory

Philip Japikse

Tuesday, December 11

11:00am – 12:15pm

ASP.NET MVC4 brings a whole new level of hotness to the web stack. From all of the new mobile features, the Web API, and improved templates, just to name a few. In this session, I will take you through these and the rest of the new features, and how to take advantage of them in existing projects as well as greenfield development.

You will learn:

- New features in ASP.NET MVC4
- How to incorporate the new features in existing projects
- How to develop apps for mobile with ASP.NET MVC4

■ VSW13 Making HTML5 Work Everywhere – Intermediate

Todd Anglin

Wednesday, December 12

4:00pm – 5:15pm

One of the great promises of HTML5 is that you can create software that runs everywhere. In many ways, HTML5 lives-up to this promise, but as with any evolving standard, support across different browsers and devices is inconsistent. To effectively adopt HTML5 today, developers must master the skills that fill-in the gaps and minimize the differences between HTML5 runtimes. In this session,

you will learn the essential techniques needed to create HTML5 sites and apps that truly work everywhere.

You will learn:

- Learn four strategies for adopting HTML5
- Analyze the impact browsers have on HTML5 readiness & adoption
- Explore new HTML5 features and techniques for using in older browsers

■ VSW14 I'm Not Dead Yet! AKA the Resurgence of WebForms – Introductory / Intermediate

Philip Japikse

Tuesday, December 11

4:15pm – 5:30pm

Despite the rumors to the contrary, ASP.NET WebForms hasn't ridden off into the sunset. WebForms and the ASP.NET core Runtime has received a lot of love in the .NET 4.5! In this session, I will take you through as many of these new features that we can fit into one session and show you that WebForms is far from "legacy".

You will learn:

- Learn the new features in ASP.NET Core Runtime 4.5
- Learn the new features in ASP.NET WebForms 4.5
- Learn that WebForms hasn't been knocked off by ASP.NET MVC

■ VSTH01 Identify & Fix Performance Problems with Visual Studio Ultimate – Intermediate/Advanced

Benjamin Day

Thursday, December 13

8:00am – 9:15am

It's a common problem: you're getting close to when you're supposed to deploy your new ASP.NET or WCF application in to production and somehow it just doesn't seem very fast. Or maybe you've deployed your application in to production and now you're getting complaints from customers that it's just plain crazy-slow.

Yikes! You've got performance problems. Thankfully, Visual Studio 2010 has some great features to help out of this bind.

In this session, Ben will start out with a running web application with performance problems and show you how to find and fix these performance problems using Web Performance Tests, Load Tests, Unit Tests, Performance Explorer and code profiling. Along the way, Ben will discuss what a Load Test Rig is, how to set up a Load Test Rig, and how Team Foundation Server can help you to catch performance issues *before* they become problems.

You will learn:

- When you have an underperforming app, how do you find problems related to load?
- What are the core features of Web Performance Testing and Load Testing in Visual Studio 2012 Ultimate?
- How do you use the Code Profiling tools to identify performance

■ VSTH05 Building Single Page Web Applications with HTML5, ASP.NET MVC4, Upshot.js and Web API – Intermediate

Marcel de Vries

Thursday, December 13

9:30am – 10:45am

Single page applications can be thought of as a state full HTML client application communicating with a services backend. This type of application has a similar architectural style as e.g. Silverlight applications but with the advantage of not requiring a plugin. The HTML client utilizes the power of JavaScript and client side java Script libraries like knockout.js and Upshot.js. to interact with backend services. These backend services are built with ASP.NET MVC4 Web API. After attending this session you will know what Single Page Applications are, when to use them and how to build them using the power of ASP.NET MVC 4, Upshot.js and Knockout.js

You will learn:

- Understand the architectural implications of a Single Page application
- Understand the power of Knockout.js to enable HTML5 and data binding using the MVVM pattern
- Understand the role of Web API to provide an interaction layer for your application
- Show a practical way to implement Single Page Applications using HTML5 and MVC4

■ VSTH09 Busy .NET Developer's Guide to Node.js

Ted Neward

Thursday, December 13

11:00am – 12:15pm

In this presentation, we'll go over what is in NodeJS, but more importantly, what is in its impressive list of add-on modules, where to use it, when to use it, and how Node is just different enough from your traditional development stack to merit some attention.

You will learn:

- What is NodeJS?
- Why is everybody so excited about it?
- Why should (or shouldn't) I care about it?
- Where does it fit in the IIS-based Microsoft world?

■ VSTH13 A Practical Look at the NOSQL and Big Data Hullabaloo – Introductory

Sam Bisbee

Thursday, December 13

1:30pm – 2:45pm

A lot of companies are checking the NOSQL conversation box these days but end up getting confused by the sheer amount of information that is available on the Internet. We are going to level set the conversation by reviewing what questions you should be asking, covering a bunch of misconceptions, and review real users' case studies. Additionally we are going to review how different NOSQL solutions differentiate themselves and what they are built for. All of this will be capped off with Cloudant's views on what this NOSQL and big data hullabaloo is all about, making sure to cover the always interesting "Tales from Production".

You will learn:

- What are NOSQL and big data, and how do they impact my application development?
- A basic understanding of the differences between different common NOSQL solutions.
- How does Cloudant answer the scalability and big data issues?

■ VSTH17 Introduction to OAuth

Ted Neward

Thursday, December 13

3:00pm – 4:15pm

In this session, we will examine the OAuth protocol for authentication: the reason for it, the versions of it, how it works and why this is fast becoming the best way to create a single sign-on mechanism within your application and/or website.

MOBILE

Mobile clients are becoming a common way for users to interact with each other, their organizations, and their business applications. Mobile apps might be native client apps or mobile Web sites, and they often make use of cloud-based data and services. Whether you're interested in working with Windows Phone specifically, or mobile platforms generally, there's something for you at Visual Studio Live! Orlando. This track includes:

- What's new in Windows Phone 8
- Building mobile sites and apps with HTML5, ASP.NET MVC and jQuery Mobile
- iOS development for .NET developers
- Building games for Windows Phone with XNA

SESSION DESCRIPTIONS BY TRACK, continued

■ VST08 What's New in Windows Phone 8 for Developers

Nick Landry

Tuesday, December 11

2:00pm – 3:15pm

Windows Phone is the fabled “third version” of Windows Phone where, historically, Microsoft gets things right. True to tradition, Windows Phone 8 has a lot to offer to consumers, like new screen resolutions, multi-core devices, NFC support, IE10 and more. But it doesn't end there: The true value of Windows Phone 8 comes from you, the developers, and the great apps you build. Come learn about all the great features in Visual Studio 2012 and the Windows Phone 8 SDK to help you design even greater apps for greater profitability. We'll cover new app models like camera lenses and location-aware background agents, VoIP capabilities, in-app purchasing, the new tile options, tooling changes, and more. We'll also compare the Windows Phone application development model to Windows 8 and discuss how you can share assets between the two. Get ready for some great demos as we dive in the good stuff. Build Mobile Apps. Publish. Profit!

Prerequisites: Basics of Windows Phone Development, Visual Studio 2010/2012, Intermediate C#

You will learn:

- The basics of the Windows Phone 8 SDK, how to get started in mobile development and the available tools, including the emulator.
- How to design a Windows Phone user interface with Expression Blend or Visual Studio, which controls are available, how to extend the controls toolbox, and more.
- About new Windows Phone 8 specific development features like in-app purchases, camera lenses, VoIP apps, background location services and more.

■ VSW08 Reach the Mobile Masses with ASP.NET MVC 4 and jQuery Mobile – Intermediate

Keith Burnell

Wednesday, December 12

11:00am – 12:15pm

Creating web applications that will target multiple devices and platforms has become the web developers Holy Grail. Simple HTML pages render without issue no matter what browser or device they are viewed on but who codes simple HTML pages? What happens when you have a business need to hit all mobile platforms?

You don't have to write hundreds of lines of code to make this happen!

In this talk Keith will demonstrate how using the latest version of ASP.NET MVC, MVC4, and jQuery Mobile allows you to develop web applications that target iPhone, iPad, Android, Windows Phone 7, and even Blackberry without having to code and style each platform separately.

You will learn:

- How to make your site “viewable” on most user platforms with minimal effort.
- How to make your site as usable on all mobile platforms as it is on the desktop browser.
- How to do all of this without writing code to target each mobile platform independently.

■ VSW12 iOS Development Survival Guide for the .NET Guy

Nick Landry

Wednesday, December 12

1:45pm – 3:00pm

You've been a .NET developer for the last 10 years. You love Visual Studio. You can spit out C# like a boy scout can tie a knot. But now your boss wants you to build an iPad app for the company. Or maybe you got a good deal on a Mac on eBay and you'll finally write that cool iPhone app that will top the other 600K in the iOS App Store. So where do you get started? What development environment do you use? How do you write apps in Objective C? What other tools & libraries can you use? This session is your survival guide to the world of iOS development as seen from the eyes of a .NET developer. We'll start from the basics and build our first iOS app, using analogies and comparisons from the familiar world of Visual Studio as our guide. We'll also discuss how to test & deploy our app, and hack our way through the Apple forest, learning to blend in and talk like a true native. If you've ever considered dipping your toes in the iWaters, this session is your chance to take your first dive.

Prerequisites: Basics of .NET Development, Visual Studio 2010, Intermediate C#

You will learn:

- The basics of iOS development, Objective-C and Xcode
- The differences between .NET and iOS from a development point of view.
- How to design & build simple applications for iPhone and iPad.

WPF / SILVERLIGHT

Despite Windows 8's release, today's most Enterprise-oriented flavors of XAML are still WPF and Silverlight, as these are the app dev environments that run on both Windows 7 and Windows 8's desktop mode on Intel/AMD x86 platforms. This track is all about XAML in both WPF and Silverlight, and offers you the opportunity to build your skills and knowledge around these key smart client technologies. This track covers:

- Leveraging XAML for a Great User Experience
- Building Interactive Data Visualizations and Dashboards
- Implementing the MVVM Pattern in WPF

■ VST02 Leveraging XAML for a Great User Experience – Introductory/Intermediate

Billy Hollis

Tuesday, December 11

11:00am – 12:15pm

For goodness sake, aren't you tired of writing XAML applications that look like Windows Forms with some lipstick applied? XAML gives you an array of capabilities to go further, and this session will show you a list of them. From ways to leverage control templates to dramatically better usability through fancy data templates to implementation of new patterns for user navigation, this session will shake you out of Outlook-style layouts and colorized Windows Forms.

■ VST06 Implementing the MVVM Pattern in WPF – Intermediate

Miguel Castro

Tuesday, December 11

2:00pm – 3:15pm

In our never-ending quest to put as many letter variations as possible behind "MV" we have MVVM. Model-View-View-Model is binding-oriented pattern that is crucial to WPF and Silverlight development and in this session I'll teach you all about it, and how to implement it properly. I'll cover binding, intent and implementation of ViewModels, Commanding, and Unit Testing techniques. Come on in, and leave your code-behind at the door.

You will learn:

- Proper usage of MVVM in WPF, Silverlight, or Metro app
- Proper testing of ViewModels
- Binding techniques in XAML

■ VST10 Building High Performance, Human-Centered Interactive Data Visualizations Dashboards

Nick Landry

Tuesday, December 11

4:15pm – 5:30pm

"Get rid of numbers and give me some graphics!" Ever heard that one? There are many ways to communicate information, and in this session you'll learn how to build the richest, most engaging and interactive data visualization applications. Using a wide array of Visual Studio UI tools and techniques, you'll get a great start on achieving your data visualization goals of communicating information clearly and effectively. We'll explore usability, graphics, colors, labels, and more attributes relative to your data types. In this UI design & code-focused talk, you will learn how to create high performance, expressive data visualization dashboards and screens, and we'll even explore advanced scenarios your data in motion which will revolutionize how you tell the story of your data. Come learn how to design and build dashboards that make heads turn and connect the user to the data they want, and need.

You will learn:

- Understand the benefits of advanced data visualization dashboards in business applications.
- Understand the principles of information architecture in client application development.
- Apply data visualization and information architecture principles to create desktop and RIA application dashboards using charts, gauges, maps, interactive data, animations and more.

■ VSW02 Navigation and UI Shells for XAML Applications – Intermediate/Advanced

Billy Hollis

Wednesday, December 12

9:15am – 10:30am

XAML applications with more than a few screens need a navigation shell to serve as the application's entry point. This session covers the options for creating such a shell, from rolling your own to using some of the most common starter shells such as MVVM Light, Caliburn, or Prism. Impact of touch on navigation shells is also discussed, including suggestions for making your application friendly to Windows 8 guidelines. This session does not put a complete shell in your hand, but if you are ready to create a solid foundation for your XAML application, you'll get a lot of suggestions to consider.

SESSION DESCRIPTIONS BY TRACK, continued

WINDOWS 8 / WINRT

Windows 8 and the Windows Runtime (WinRT) are here. Are you working with them? Are you ready to start? The new version of Microsoft's flagship product brings the Metro user interface and Live Tiles to tablet/slate devices, laptops and even desktop PCs. Apps for Windows 8 can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live! Orlando, we'll prepare you to build Windows 8 Metro-style apps, and understand the finer points of WinRT that will make them great. This track includes coverage of the following:

- Going from Silverlight or WPF to Metro
- Windows 8 Metro Style Apps for the Enterprise
- Using Azure with Windows Phone and Windows 8
- Build Windows 8 Apps using Windows Online Services

■ VST03 Intro to Metro – Introductory / Intermediate

Miguel Castro

Tuesday, December 11

11:00am – 12:15pm

Ten years after the release of the .NET Framework, Microsoft is stirring the pot again with a new development platform that set to focus your talents on what everyone is betting is the next big thing, mobile devices; specifically in this case, tablets. The Windows runtime, or WinRT, is the foundation for the development of applications designed to target Windows 8-driven touch-enabled devices, but what does that mean for .NET developers and their existing skill sets? In a word, Metro. Metro is a new UI style bundled with touch navigation, flatter and simpler visual elements, and appearance and behavior characteristics that make it a very nice fit for a tablet platform. As of early 2012, it is still a little confusing as to Metro's position in the Microsoft stack in relation to its cousins WPF and Silverlight, but one thing is certain. Whether it is an addition to the Microsoft stack of an eventual replacement for something, it is here and in the context of touch-based development; you're going to need to learn it. So start here.

You will learn:

- Understanding the intent of Metro
- Comfort with XAML-based Metro programming
- Win 8 Tablet development

■ VST07 Smackdown: Metro Style Apps vs. Websites – Introductory

Ben Dewey

Tuesday, December 11

2:00pm – 3:15pm

With such a broad range of hardware and operating systems, HTML and Javascript on the web is the sure fire way to ensure your app can reach the broadest audience on all computers and devices. Unfortunately they lack the native features that make for an optimal experience. In this presentation Ben Dewey highlights the native features of Metro Style apps that should be considered when making your development platform decisions. Every app is different and has different needs, this presentation will give you tools to help answer whether to go native or not on your next project.

You will learn:

- How Metro style apps differ from Websites that our industry has built for many years.
- Advantages to the new WinRT Application Model
- Comparison of website features with native JS features

■ VST11 Going from Silverlight or WPF to Metro – Intermediate

Greg Levenhagen

Tuesday, December 11

4:15pm – 5:30pm

So you learned Silverlight and WPF, but now Metro is the scene. Fear not! Those XAML and C# skills are extremely useful. Let Greg walk you through some of the changes when moving to Metro/XAML. Come see what additional considerations are needed for creating a Metro application. You know you're curious to see if you can hit the ground running, so come see if that is indeed the case!

You will learn:

- What the breaking changes are from Silverlight and WPF to Metro/XAML.
- If your previous skills will pay off.
- What additional considerations need to be handled for Metro applications.

■ VSW03 Filling Up Your Charm Bracelet – Introductory

Ben Dewey

Wednesday, December 12

9:15am – 10:30am

In this presentation, Ben Dewey will go in-depth on the different charms that are available in WinRT and how your

app can take full advantage of them in order to provide a consistent experience with other apps on the Windows8 platform. This presentation will focus on C# and XAML.

You will learn:

- How to leverage the Search charm in a testable way
- How to act as a Share target and Share source
- How to provide settings within your application

■ VSW07 Windows 8 Azure Services

Rockford Lhotka

Wednesday, December 12

11:00am – 12:15pm

The new Windows 8 WinRT app model may be primary future of smart client software development on the Microsoft platform. Windows Azure is Microsoft's cloud services platform. Used together, Windows 8 and Azure allow you to build compelling apps for mobile, laptop, and desktop computers. In this session you will learn how to create and use Windows Azure services from Windows 8 WinRT applications.

You will learn:

- About Windows Azure PaaS features and capabilities
- How to build a Windows 8 WinRT client app that interacts with services hosted in Windows Azure

■ VSW11 Using Azure with Windows Phone and Windows 8! – Introductory / Intermediate

Greg Levenhagen

Wednesday, December 12

1:45pm – 3:00pm

With phones, tablets and other devices exploding in market share, it's important to know what technologies and tools will help you develop better applications. These devices are often short on processing power and storage, which is where Azure can really help out. Come see what it's like to use Azure with Windows Phone and Windows 8, including examples with push notifications, storage and authentication for both platforms and a Metro application using the Azure Service Bus.

You will learn:

- How to use Azure notifications with Windows 8 and Windows Phone
- How to use Azure storage with Windows 8 and Windows Phone
- How Metro applications can benefit from the Azure Service Bus

■ VSW15 From a New Win8 Project to the Store – Intermediate

Elad Shaham

Wednesday, December 12

4:00pm – 5:15pm

The list of things we need to do in order to create a new Win8 app project, implement its business logic, and upload it to the Windows Store may sound intimidating. The truth of the matter is it couldn't be easier. Develop, Test, Upload – that's all there is to it. In this session we will create a simple Metro Style application, make sure it passes certification and upload it to Windows Store.

You don't have to be a super developer to create a Metro Style application for Windows 8 – some of the best mobile apps are created by students. But to develop a GOOD app takes a certain amount of effort. We need to make our app stand out by creating a good user experience which follows the UI guidelines, and make sure it works flawlessly. Luckily, the certification of all apps helps us in the process of creating better apps, since we need to take care of the small details. We will show how we can leverage the built in tools to make our app certification-ready.

You will learn:

- Understand how to create a simple Metro Style App
- How to run app certification tests
- Experience the process of uploading an app to Windows Store

■ VSTH03 Windows 8 Metro Style Apps for the Enterprise – Introductory / Intermediate

Ben Hoelting

Thursday, December 13

8:00am – 9:15am

Windows 8 Metro Style applications are designed for use in a multi-touch or tablet based environment. What does that mean to the enterprise consumers out there? Do multi-touch and tablet based environments have a place in the enterprise? This session will explore these questions and get developers that develop applications for the enterprise excited about Windows 8 Metro Style applications.

You will learn:

- The reasons to use Windows 8 Metro Style apps in the enterprise
- How to build Windows 8 Metro Style apps for the enterprise
- Deployment options for Windows 8 Metro Style apps in the enterprise

SESSION DESCRIPTIONS BY TRACK, continued

■ VSTH07 Build Windows 8 Apps using Windows Online Services

Rockford Lhotka

Thursday, December 13

9:30am – 10:45am

Windows 8 is integrated with the Microsoft cloud services and SkyDrive. Although users can disable this integration, it is built in by default. Your application can also make use of Single Sign On and other Microsoft cloud services, as well as roaming profiles and SkyDrive. In this session you will learn what services are available to Windows 8 WinRT app developers, and how to use the features in your apps.

You will learn:

- What Microsoft cloud services are available to WinRT developers
- How to use SkyDrive from a Windows 8 WinRT app
- How to use other Microsoft cloud services from WinRT

■ VSTH11 Expression Blend 5 For Developers: Design Your XAML or HTML5\CSS3 UI Faster – Intermediate

Ben Hoelting

Thursday, December 13

11:00am – 12:15pm

Building the modern UIs that user's demand can be tedious and difficult, whether they are built in XAML or HTML5\CSS3. Especially since the tooling provided for building these complex UIs is poor and unreliable. This forces developers/designers to hack the UI markup themselves. Expression Blend 5 takes major strides to enable trusted UI design without the need to editing the markup manually. This session will demonstrate the new capabilities included in Blend 5 for solving this problem.

You will learn:

- How Blend makes XAML UI Design Easier
- How Blend makes HTML5\CSS3 Design Easier
- How Blend interacts with the Visual Studio 11 Development Environment

■ VSTH15 Making your Windows 8 App Come to Life, Even When It's Not Running – Intermediate / Advanced

Elad Shaham

Thursday, December 13

1:30pm – 2:45pm

Windows 8 provides developers with more ways to interact with the user. Our app does not need to be running in the foreground in order to display fresh information. Updating our app's tile, popping up a toast notification, or updating the app's badge in the lock screen will help us create

alternative interactions with the user's desktop. In this session we will see how to create a more vivid experience for our users, one which will attract them to use our app more often. We will achieve that goal by running background tasks or sending push notifications from our server.

You will learn:

- Learn about the different ways a developer can create alternative interactions with the user
- Show how to update the app tile and show a toast notification
- Understand how to run code which alternative interactions are created in a background task

■ VSTH19 No User Controls Please: Customizing Metro Style Controls Using XAML – Intermediate / Advanced

Elad Shaham

Thursday, December 13

3:00pm – 4:15pm

The easiest way to create a customized user interface when developing a Windows 8 Metro Style application is to throw in a few User Controls, but where's the fun in that? XAML and C# provides more than one approach to customize the look and feel of our app; all we need to do is choose the right one for our needs. In this session we will talk about creating and overriding Control Templates, creating custom controls or simply using Data Binding and Data Templates to bend the UI to our needs.

You will learn:

- Understand the right reasons for modifying a control
- Learn how to create and modify control templates using Blend
- Understand how to work with the Visual State Manager and Behaviors in more complex templating scenarios

VISUAL STUDIO / .NET

Everything rests on .NET, and .NET 4.5 has exciting new capabilities that apply to any type of .NET application. Visual Studio 2012 provides powerful features around debugging, architecture and application lifecycle management (ALM). We'll give you the information you need to understand and leverage the power of .NET and Visual Studio today, and into the future.

■ VST01 What's New in Azure for Developers

Vishwas Lele

Wednesday, December 12

1:45pm – 3:00pm

What's new in Windows Azure for devs? Lots! In this session we will take a whirlwind tour of the brand new features (such as Web Sites, Virtual Machines, Mobile Services) and also key enhancements to the existing services such as Storage, Caching and SQL Databases. My goal is to give you a broad understanding of the what Scott Guthrie called "The New Azure". You will walk away with enough information to start digging deeper into the features that make sense to you and your project.

■ VST04 What's New in Visual Studio 2012

Rob Daigneau

Tuesday, December 11

11:00am – 12:15pm

Visual Studio 2012 is jam-packed with so many new features and enhancements, it's hard to figure out just where to begin. While this presentation will cover a lot of ground, there's no need to fear 'cuz we're going to make this fun!

In this talk you'll get a quick overview of what you'll find in each version (i.e. SKU) of VS 2012. We'll introduce you to a few of the new project types, and some neat features available in each product version. Then we'll turn our attention to what's new in Web Application and Web Service development. You'll see how the framework makes it easier than ever before to create more responsive applications and services. Finally, we'll touch on a few improvements to WCF. We'll save a few surprises for the end if time allows

■ VST09 In Depth Azure IaaS

Vishwas Lele

Wednesday, December 12

4:00pm – 5:15pm

If you have found yourself thinking...

"Changing our existing apps to run on PaaS is going to require a lot of refactoring. We want to run our applications in the Cloud as-is."

"We cannot migrate to Azure SQL Database because our database relies on SQL CLR-based stored procedures. We want to use a full version of SQL Server."

"We want the Cloud to be a seamless extension of our data center, not a walled garden. We want to use our

existing IT setup and tools (AD, SCOM etc.) to manage the on-premises and Cloud-based applications."

...then this session is for you. This session is for anyone who wants to get better understand the recently-announced Windows Azure Infrastructure as a Service (IaaS) offering. After a brief overview of the Azure Platform as a Service (PaaS) model, we will focus on key IaaS concepts. Additionally, we will walk you through a number of scenarios enabled by Azure IaaS and several demonstrations. We will cover IaaS Core Concepts, Azure Virtual Machine, Disks & Images, Persistence, VM export / Import, Grouping and Azure Virtual Network

Suggested Background Reading:

20 Things That May be "Clouding" Your Choice About the Cloud...But Shouldn't

Windows Azure Spring 2012 Release: Four Scenarios in the Hybrid Cloud

■ VST12 What's New in the .NET 4.5 BCL – Intermediate

Jason Bock

Tuesday, December 11

4:15pm – 5:30pm

With the upcoming release of the 4.5 version of the .NET Framework, there's a lot to take in. In this talk, we'll focus on the additions to the next version of the .NET Framework, such as asynchronous I/O, reflection, and events. We'll also cover key breaking changes that may affect your current code base.

You will learn:

- Gain an understanding of the new APIs available to .NET developers
- See what's been changed in 4.5 that may affect current code
- Use this knowledge to move effectively into the next version of .NET

■ VSW06 Static Analysis in .NET – Intermediate

Jason Bock

Wednesday, December 12

11:00am – 12:15pm

We all want to have someone else review our code to make sure it's written well. Wouldn't it be even better if we can have that review process done automatically? In this session, you'll see how you can use static analysis tools (like Code Analysis/FxCop) to find all kinds of implementation

SESSION DESCRIPTIONS BY TRACK, continued

issues before they show up in a release. You'll also find out how to manage rule sets in Visual Studio, and find out how you can create your own custom rules.

You will learn:

- Understand the benefits in using static analysis
- Be able to use the results of static analysis effectively to improve their code
- See how custom rules can be created to reflect their own best practices

■ VSW16 Creating Restful Web Services with the Web API – Intermediate

Rob Daigneau

Wednesday, December 12

4:00pm – 5:15pm

The Web API makes it relatively simple to design and build business functions that can be used with a broad array of clients from desktops, to smart-phones, to tablets. These clients may leverage WPF, Silverlight, HTML5, or technologies on other platforms like Java. Come to this session to learn how to harness the power of the Web API to build scalable, cross-platform interoperable web services that can be deployed to Azure.

You will learn:

- How to create web services for CRUD and non-standard operations
- How to work with various media formats like XML, JSON, and OData
- How to leverage Message Handlers, Operation Handlers, and Media Type Formatters

■ VSTH02 Patterns for Parallel Programming – Intermediate / Advanced

Tiberiu Covaci

Thursday, December 13

8:00am – 9:15am

After more than 40 years Moore's law is still going strong, and it looks like it will continue to do so for at least ten more years, and the free performance lunch is over, unless we change the way we think and program our applications. The Question is not IF, but rather WHEN. Luckily, Microsoft realized that already, and with the Visual Studio 2010 they introduced new technologies like Concurrency Runtime, Task Parallel Library, and Parallel LINQ to help us transition into the world of multi-core programming. C# vNext will introduce other paradigms like support for asynchronous programming.

You will learn:

- Patterns in the Parallel computing space
- Task Parallel Library
- Paralellizing applications in practice

■ VSTH04 How to Take WCF Data Services to the Next Level – Intermediate

Rob Daigneau

Thursday, December 13

8:00am – 9:15am

Visual Studio has made it incredibly easy for developers to create WCF Data Services that provide access to databases and other resource types in no time flat. When combined with the OData protocol and Linq, clients are given an easy yet powerful way to perform basic CRUD operations. However, you'll eventually come to a place where the out-of-the-box features don't quite meet your needs. Fortunately, WCF doesn't box you in. In this session you'll learn how to take your Data Services to the next level. You'll see how to leverage the power of custom Interceptors to alter the default behaviors of services. You'll also learn techniques to enforce common generic behaviors which handle such things as data validation, data transformation, caching, and logging. The possibilities for this amazing WCF extensibility mechanism are endless.

You will learn:

- To use custom Interceptors to alter query behavior and non-safe operations (i.e. Create, Update, Delete, and non-standard HTTP operations)
- To use custom behaviors to handle such things as data validation, data transformation, caching, and logging.
- Understand the advantages and trade-offs of using these techniques

■ VSTH06 ALM Features in VS12

Brian Randell

Thursday, December 13

9:30am – 10:45am

■ VSTH10 Intellitrace, What is it and How Can I Use it to My Benefit? – Intermediate

Marcel de Vries

Thursday, December 13

11:00am – 12:15pm

Ever heard of a feature called Intellitrace? It is part of Visual studio Ultimate and is a very powerful addition to your debugging options. Want to know what it is and how it works? This is the session for you. Based on a set of

demo's I will show you how you can use intellitrace for your normal average debug session today, but also as postmortem when something went wrong with your application in a test environment or even when your Unit test turned red and you need to fix that problem. Come and see why this feature can be a game changer for you today and even more so when we look at the future where we can use it in a production environment!

You will learn:

- How Intellitrace can help in a normal debug session
- How Intellitrace can be used as post mortem debugger
- How Intellitrace works under the hood, so you understand it's capabilities

■ **VSTH14 Team Foundation Server 2012 Builds: Understand, Configure, and Customize – Intermediate / Advanced**

Benjamin Day

Thursday, December 13

1:30pm – 2:45pm

The Build system in TFS2012 could be the best feature in the product. Actually, it's almost definitely the best feature in the product. It's got a slick Windows Workflow structure that has done away with the old-style, clunky text-based and XML-based scripts. It's got a great integration with Source Control through Gated Check-ins that requires a build to pass before code can be checked in. (Buh-bye, broken builds.) There's even integration with Virtual Lab Management.

If you want to eliminate a bunch of integration headaches and improve quality on your project, using TFS Builds is a perfect place to start. In this talk, Ben will start by giving you a tour of the features. Then he'll move on to show you how to configure your build servers and builds. Finally, he'll show you how to extend and customize the default build scripts to handle environment-specific configuration files, configuring IIS applications, and more.

You will learn:

- Why do you care about automated builds?
- What is the structure of a TFS Build and the TFS Build servers?
- How do you customize your automated builds?

■ **VSTH16 EF Code First Magic Unicorn Edition and Beyond – Intermediate**

Keith Burnell

Thursday, December 13

1:30pm – 2:45pm

Entity Framework 4.1 was dubbed "The Magic Unicorn Edition" by Scott Hanselman because of its ability to allow development of a full database backed application without ever opening SQL Server Management Studio. Magic, right? But how is this even possible?

In this talk Keith will dive into Entity Framework Code First and how it allows you to use Model/Domain Driven development with nothing but POCOs to keep you in Visual Studio and out of SSMS. Keith will also address EF vNext and discuss some of its long awaited features.

You will learn:

- What is code first and model/domain driven development.
- The importance of keeping your domain separate from your database.
- How to get the most of EF Code First.

■ **VSTH18 Azure Hosted TFS**

Brian Randall

Thursday, December 13

3:00pm – 4:15pm

■ **VSTH20 The LINQ Programming Model – Introductory**

Marcel de Vries

Thursday, December 13

3:00pm – 4:15pm

This session will show in what way developers can leverage the power of LINQ. This session will not dive into how LINQ works but for a change will give you an idea on what you need to know as the programmer using LINQ and how you can apply it to different parts of your work including manipulating in memory objects, data from a database and of course XML.

This session will start with an introduction to the LINQ syntax. From this introduction we take a journey into the different available technologies that ship with Visual the .NET framework and are LINQ enabled. These technologies include XLINQ, LINQ to DataSets and Entity Framework.

You will learn:

- How LINQ actually works for C# programmers
- How to just use LINQ and to read its syntax
- Make the step to LINQ

SPEAKERS



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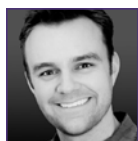
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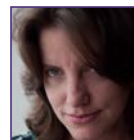
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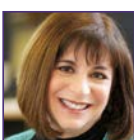
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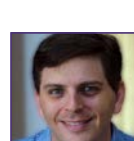
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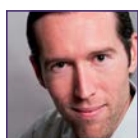
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PACKAGE INCLUDES:

Access to all Visual Studio Live!, SharePoint Live!, SQL Server Live! and Cloud & Virtualization Live! Sessions and Keynotes • All pre-conference workshops • All post-conference workshops • Reception • Networking Events • Lunch (December 10-14) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code for all four conferences

- The Live! 360 5-Day Complete Conference & Hotel Package includes the 5-day all-access pass to every keynote, session, workshop and event **December 10-14, 2012** for all four co-located conferences PLUS five nights at Lowes Royal Pacific Resort.

LIVE! 360 5-DAY COMPLETE CONFERENCE & HOTEL PACKAGE

SUPER Early Bird
(by October 10)
\$2,445
Save \$400

Early Bird
(by November 7)
\$2,545
Save \$300

Standard
(after November 7)
\$2,845

PACKAGE INCLUDES:

Live! 360 5-Day Package • 5 nights at the Lowes Royal Pacific Resort (Room and tax only) - only available Sunday night (December 9) through Thursday night (December 13), departing Friday (December 14)

- The Live! 360 3-Day Conference Package grants you access to all sessions and activities **December 11-13, 2012** for all four co-located Live! 360 events.

LIVE! 360 3-DAY CONFERENCE PACKAGE

SUPER Early Bird
(by October 10)
\$1,395
Save \$300

Early Bird
(by November 7)
\$1,495
Save \$200

Standard
(after November 7)
\$1,695

PACKAGE INCLUDES:

Access to all Visual Studio Live!, SharePoint Live!, SQL Server Live! and Cloud & Virtualization Live! Sessions and Keynotes • Reception • Lunch (Dec. 11-13) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code for all four conferences

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

The Live! 360 3-Day Conference & Hotel Package is your 3-day all-access pass to every keynote, session and event **December 11-13, 2012** for all four co-located Live! 360 events PLUS four nights at the Lowes Royal Pacific Resort.

LIVE! 360 3-DAY CONFERENCE & HOTEL PACKAGE

SUPER Early Bird
(by October 10)
\$1,995
Save \$300

Early Bird
(by November 7)
\$2,095
Save \$200

Standard
(after November 7)
\$2,295

PACKAGE INCLUDES:

Live! 360 3-Day Package • 4 nights at the Lowes Royal Pacific Resort (Room and tax only) - only available Monday night (December 10) through Thursday night (December 13), departing Friday (December 14)

The Live! 360 Workshop Pass grants you access to one full-day workshop at Live! 360 on either **Monday, December 10** OR **Friday, December 14, 2012**.

ONE-DAY WORKSHOP PASS \$495

PASS INCLUDES:

Pre-Conference Workshop – Monday, December 10, 2012
OR
Post-Conference Workshop – Friday, December 14, 2012

Book includes Conference session slides and space for taking notes.

CONFERENCE PROCEEDING BOOK \$50

All Live! 360 attendees will receive the Conference Proceedings CD. The Live! 360 Proceedings CD includes session slides from each of the four co-located events. However, printed proceedings books are also available for \$50 per conference.*

*Separate books are available for each Live! 360 event: Visual Studio Live!, SQL Server Live!, Cloud & Virtualization Live!, and SharePoint Live!

GROUP DISCOUNTS

Groups Save \$600 per Registrant!

Bring 3 or more colleagues to any Live! 360 event & **SAVE \$600** off the standard rate!

LIVE! 360 5-DAY CONFERENCE GROUP PACKAGE

\$1,495 per attendee
Save \$600 per attendee

PACKAGE INCLUDES:

Access to all Visual Studio Live!, SharePoint Live!, SQL Server Live! and Cloud & Virtualization Live! Sessions and Keynotes • Pre-conference workshops • Post-conference workshops • Reception • Networking Events • Lunch (December 10-14) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

LIVE! 360 5-DAY CONFERENCE & HOTEL GROUP PACKAGE

\$2,245 per attendee
Save \$600 per attendee

PACKAGE INCLUDES:

5-Day Conference GROUP package • 5 nights at the Lowes Royal Pacific Resort (Room and tax only) - only available Sunday night (December 9) through Thursday night (December 13), departing Friday (December 14)

REGISTRATION PACKAGES—SPECIAL ALUMNI DISCOUNTS

Attendees of any previous Visual Studio Live!, TechMentor or SharePoint Virtual Event qualify for Conference packages up to \$700 OFF the standard rate.

- Live! 360 5-Day Alumni Package is your 5-day all-access pass to every keynote, session, workshop and event **December 10-14, 2012** for all four co-located Live! 360 events.

LIVE! 360 5-DAY ALUMNI PACKAGE

SUPER Early Bird
(by October 10)
\$1,395
Alumni Save \$700

Early Bird
(by November 7)
\$1,495
Alumni Save \$600

Standard
(after November 7)
\$1,695
Alumni Save \$400

PACKAGE INCLUDES:

Access to all Visual Studio Live!, SharePoint Live!, SQL Server Live! and Cloud & Virtualization Live! • Sessions and Keynotes • All pre-conference workshops • All post-conference workshops • Reception • Networking Events • Lunch (December 10-14) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code for all four conferences

- The Live! 360 5-Day Complete Conference & Hotel Alumni Package includes the 5-day all-access pass to every keynote, session, workshop and event **December 10-14, 2012** for all four co-located conferences PLUS five nights at Lowes Royal Pacific Resort.

LIVE! 360 5-DAY COMPLETE CONFERENCE & HOTEL ALUMNI PACKAGE

SUPER Early Bird
(by October 10)
\$2,145
Alumni Save \$700

Early Bird
(by November 7)
\$2,245
Alumni Save \$600

Standard
(after November 7)
\$2,445
Alumni Save \$400

PACKAGE INCLUDES:

Live! 360 5-Day Alumni Package • 5 nights at the Lowes Royal Pacific Resort (Room and tax only) - only available Sunday night (December 9) through Thursday night (December 13), departing Friday (December 14)

- The Live! 360 3-Day Conference Alumni Package grants you access to all sessions and activities **December 11-13, 2012** for all four co-located Live! 360 events.

LIVE! 360 3-DAY CONFERENCE ALUMNI PACKAGE

\$1,195
Alumni Save \$500

PACKAGE INCLUDES:

Access to all Visual Studio Live!, SharePoint Live!, SQL Server Live! and Cloud & Virtualization Live! • Sessions and Keynotes • Reception • Lunch (Dec. 11-13) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code for all four conferences

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

Live! 360 3-Day Conference & Hotel Alumni Package is your 3-day all-access pass to every keynote, session and event **December 11-13, 2012** for all four co-located Live! 360 events PLUS four nights at the Lowes Royal Pacific Resort.

LIVE! 360 3-DAY CONFERENCE & HOTEL ALUMNI PACKAGE

\$1,795
Alumni Save \$500

PACKAGE INCLUDES:

Live! 360 3-Day Package • 4 nights at the Lowes Royal Pacific Resort (Room and tax only) - only available Monday night (December 10) through Thursday night (December 13), departing Friday (December 14)

Live! 360 Workshop Pass grants you access to one full-day workshop at any co-located event on either **Monday, December 10 OR Friday, December 14, 2012.**

ONE-DAY WORKSHOP PASS \$495

PASS INCLUDES:

Pre-Conference Workshop – Monday, December 10, 2012
OR
Post-Conference Workshop – Friday, December 14, 2012

Book includes Conference session slides and space for taking notes.

CONFERENCE PROCEEDING BOOK \$50

All Live! 360 attendees will receive the Conference Proceedings CD. The Live! 360 Proceedings CD includes session slides from each of the four co-located events. However, printed proceedings books are also available for \$50 per conference.*

*Separate books are available for each Live! 360 event: Visual Studio Live!, SQL Server Live!, Cloud & Virtualization Live!, and SharePoint Live!