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5 GREAT
CONFERENCES.
1 GREAT PRICE.



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

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

SharePoint **LIVE!**
TRAINING FOR COLLABORATION

Modern Apps **LIVE!**
MODERN APPS FROM START TO FINISH



TECHMENTOR
IN-DEPTH TRAINING FOR IT PROS

**IT AND DEVELOPER TRAINING
THAT'S OUT OF THIS WORLD.**

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Live! 360 Conference Co-Chairs



Andrew Brust
SQL Server Live! and Visual Studio Live!
Conference Co-Chair
Research Director, Gigaom Research



Andrew Connell
SharePoint Live! Conference Co-Chair
Consultant, Instructor, Developer, & Author
Andrew Connell Inc.



Don Jones
SQL Server Live! Conference Co-Chair
TechMentor Conference Co-Chair
Author/Evangelist, *PluralSight*



Rockford Lhotka
Modern Apps Live! Conference Chair, and
Visual Studio Live! Conference Co-Chair
CTO, *Magenic*



Matthew McDermott
SharePoint Live! Conference Co-Chair
Founder and Director, *Aptillon, Inc*



Greg Shields
TechMentor Conference Co-Chair
Author/Evangelist, *PluralSight*

WHAT IS LIVE! 360?

Live! 360 brings together five conferences, and the brightest minds in IT and Dev, to explore leading edge technologies and conquer current ones. These co-located events will incorporate knowledge transfer and networking, along with out-of-this-world education and training, as you create your own custom conference, mixing and matching sessions and workshops to best suit your needs. Whether you are a developer who uses Visual Studio, SQL Server, and SharePoint; or an IT Pro looking for ways to modernize your datacenter or assistance with your SharePoint administrative duties; or a DBA focused on building and supporting successful applications using SQL Server, the agendas are crafted for (almost) every IT title.



Visual Studio

EXPERT SOLUTIONS FOR .NET DEVELOPERS

THE CODE IS STRONG WITH THIS ONE. Visual Studio Live! Orlando is where developers, software architects and designers will connect for five days of unbiased and cutting-edge education on the Microsoft platform. With 60+ sessions led by industry experts and Microsoft insiders, you will walk away from this event having expanded your .NET skills and the ability to build better applications.

SQL Server

TRAINING FOR DBAs AND IT PROS

CONQUER PLANET DATA. SQL Server Live! provides comprehensive education and knowledge share on SQL Server database management, data warehouse/BI model design, Big Data analytics, performance tuning, troubleshooting and coding against SQL Server. After five days of workshops, deep dives and breakout sessions, SQL Server Live! will leave you with finely tuned skills to solve your biggest data challenges.

Modern Apps

MODERN APPS FROM START TO FINISH

MASTER THE MODERN APPS LANDSCAPE. Presented in partnership with Magenic, Modern Apps Live! brings Development Managers, Software Architects and Development Leads together to break down the complex landscape of mobile, cross-platform, and cloud development and learn how to architect, design and build a complete Modern Application from start to finish.

SharePoint

TRAINING FOR COLLABORATION

USS COLLABORATE: LET'S WORK TOGETHER. SharePoint Live! features no-hype, practical, and independent SharePoint training. SharePoint Live! is THE place to gather and learn how to customize, deploy and maintain SharePoint Server and SharePoint foundation to maximize business value.

TECHMENTOR

IN-DEPTH TRAINING FOR IT PROS

2014: AN IT TRAINING ODYSSEY. TechMentor Orlando 2014 will be a training odyssey, focused entirely on making your datacenter more modern, more capable, and more manageable. We'll not only be covering the latest and greatest technologies, but also the latest techniques – even ones that help you get more from the technologies you're currently using. Join us, won't you?



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

Reasons to Attend Live! 360:

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

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



IT'S AN EDUCATION TECH-CATION. Located at the beautiful (and attendee favorite) Loews Royal Pacific Resort at Universal Orlando, the setting and time of year are perfect for bringing the family along to enjoy all that Orlando has to offer.

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

TAKE TIME OUT TO LEARN AND SHARE.

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

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



Events & Activities

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



Dine-A-Round Dinner

Sunday, November 16, 6:00pm – 9:00pm
Universal CityWalk

Join other conference attendees and speakers for a casual, no-host dinner and make a few new friends while enjoying the fun and delicious themed restaurants at Universal CityWalk. This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Attendees can break into smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

EXPO Preview

Monday, November 17, 5:00pm – 6:00pm
EXPO Hall

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

Exhibitor Reception

Tuesday, November 18, 5:30pm – 7:30pm
EXPO Hall

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

Don't forget to visit the Demo Theater during the Expo Preview to hear directly from exhibitors and enter for your chance to win a FREE Live! 360 2015 pass.



Birds-of-a-Feather Lunch

Wednesday, November 19,
12:15pm – 1:45pm
Dining Tent

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

LIVE! 360 Agenda



		VISUAL STUDIO LIVE! TRACKS							SHAREPOINT LIVE! TRACKS					SQL SERVER LIVE! TRACKS					TECHMENTOR TRACKS					MODERN APPS LIVE! TRACK						
		ASP.NET	Cloud Computing	Cross-Platform Mobile Development	Data Management	JavaScript / HTML5 Client	Visual Studio / .NET Framework	Windows Client	Windows Phone	Developing Apps and Solutions for SharePoint	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	SharePoint, Office 365 and the Cloud	BI, Big Data, Data Analytics, and Data Visualization	SQL Server Administration & Maintenance	SQL Server Features & Components	SQL Server for the Developer / SQL Server 2014	SQL Server in the Cloud	SQL Server Performance Tuning and Optimization	SQL Server Tools, Tricks, and Techniques	Advanced Windows Networking	Hybrid Cloud and Virtualization	Jack of All Trades	Security and Ethical Hacking	System Center & Microsoft Exchange	Windows PowerShell	Windows Server	Presented in Partnership with: Magenic
START TIME		Visual Studio Live! Pre-Conference: Sunday, November 16, 2014							SharePoint Live! Pre-Conference: Sunday, November 16, 2014					SQL Server Live! Pre-Conference: Sunday, November 16, 2014					TechMentor Pre-Conference: Sunday, November 16, 2014					Modern Apps Live! Pre-Conf: Sun., Nov. 16						
END TIME		4:00 PM							9:00 PM					9:00 PM					9:00 PM					9:00 PM						
		Pre-Conference Registration - Royal Pacific Resort Conference Center																												
		Dine-A-Round Dinner @ Universal CityWalk																												
START TIME		Visual Studio Live! Pre-Conference Workshops: Monday, November 17, 2014							SharePoint Live! Pre-Conference Workshops: Monday, November 17, 2014					SQL Server Live! Pre-Conference Workshops: Monday, November 17, 2014					TechMentor Pre-Conference Workshops: Monday, November 17, 2014					MAL! Pre-Conf. Workshop: Mon., Nov. 17						
END TIME		8:00 AM							5:00 PM					5:00 PM					5:00 PM					5:00 PM						
		VSM01 - Workshop: Native Mobile App Development for iOS, Android, and Windows using C# - Marcel de Vries & Rockford Lhotka		VSM02 - Workshop: AngularJS in 0 to 60 - John Papa		VSM03 - Workshop: From Code to Release: DevOps for Developers - Brian Randall			SPM01 - Workshop: Modern Office 365, SharePoint & Cloud Development Ramp-Up - Andrew Connell		SPM02 - Workshop: Getting Up and Running with Office 365 - Dan Usher			SQM01 - Workshop: Big Data and NoSQL for Database and BI Pros - Andrew Brust		SQM02 - Workshop: Maintaining SQL Server for Non-DBAs - Don Jones			TMM01 - Workshop: Microsoft Office 365: The Bootcamp - Andy Malone		TMM02 - Workshop: Automating Hyper-V with System Center Technologies - Greg Shields			MAM01 - Workshop: Modern App Technology Overview - Android, iOS, Cloud, and Mobile Web - Nick Landry, Kevin Ford, & Steve Hughes						
		EXPO Preview																												
		Live! 360 Keynote: To Be Announced																												
START TIME		Visual Studio Live! Day 1: Tuesday, November 18, 2014							SharePoint Live! Day 1: Tuesday, November 18, 2014					SQL Server Live! Day 1: Tuesday, November 18, 2014					TechMentor Day 1: Tuesday, November 18, 2014					Modern Apps Live! Day 1: Tues., Nov. 18						
END TIME		8:00 AM							9:00 AM					9:00 AM					9:00 AM					9:00 AM						
		Visual Studio Live! Keynote: To Be Announced																												
		SharePoint Live! Keynote: Creating Interactive Experiences for Internal and External Users in Office 365 - Sonya Kopyeva, Senior Product Manager, SharePoint and Office, Microsoft																												
		SQL Server Live! Keynote: To Be Announced																												
		TechMentor Keynote: To Be Announced																												
		Modern Apps Live! Keynote: To Be Announced																												
		VST01 - Getting Started with Xamarin - Walt Ritscher		VST02 - Great User Experiences with CSS 3 - Robert Boedigheimer		VST03 - What's New in MVC 5 - Miguel Castro		VST04 - New IDE and Editor Features in Visual Studio 2013 - Deborah Kurata		SPT01 - Lean-Agile Development with SharePoint - Bill Ayres		SPT02 - What's New for IT PRO's in SharePoint 2013 - Brian Alderman		SPT03 - Getting Started with Cross Site Publishing in SharePoint 2013 - Prashant Bhojraj		SQT01 - Best Practices for Leveraging SQL Server in Windows Azure Virtual Machines - Scott Klein		SQT02 - SQL Server Integration Services End-to-End - David Dye		SQT03 - Introduction to SQL Server Clustering - Chad Churchwell		TMT01 - Desired State Configuration: An Administrator's Overview - Don Jones		TMT02 - Automating vSphere with VMware Orchestrator, Part 1 - Greg Shields		TMT03 - Creating an Everywhere LAN Without the Hassle Using DirectAccess - John O'Neill, Sr.		MAT01 - Defining Modern App Development - Rockford Lhotka		
		VST05 - Building Your First Universal Application for Windows Phone and Windows Store - Brian Peek		VST06 - HTML5 and Modernizr for Better Web Sites - Robert Boedigheimer		VST07 - What's New in Web API 2 - Miguel Castro		VST08 - Visual Studio Data Tools for Developers - Deborah Kurata		SPT04 - How to Improve the SharePoint UI Using Bootstrap 3 - Ryan McIntyre		SPT05 - Microsoft To Be Announced		SPT06 - To Be Announced		SQT04 - SQL Server 2014 In-memory OLTP Deep Dive - Scott Klein		SQT05 - Designing and Maintaining a SQL Server Replication Topology - Chad Churchwell		SQT06 - Hadoop Administration for SQL Server DBAs - Edwin Sarmiento		TMT04 - PowerShell Scripting and Toolmaking with Patterns and Practical Uses - Don Jones		TMT05 - Automating vSphere with VMware Orchestrator, Part 2 - Greg Shields		TMT06 - To Be Announced		MAT02 - Modern App Architecture - Rockford Lhotka		
		Lunch - Visit the EXPO																												
		Lunch • Visit the EXPO																												
		VST09 - Introduction to Developing Mobile Apps for the Web Developer - Ben Hoelting		VST10 - Build an Angular and Bootstrap Web Application in Visual Studio from the Ground Up - Deborah Kurata		VST11 - ASP.NET MVC for Mobile Devices - Rob Daigneau		VST12 - The Road to Continuous Delivery, Automated UI Testing for Web, WPF and Windows Forms - Marcel de Vries		SPT07 - Building SharePoint Single Page Apps with AngularJS - Andrew Connell		SPT08 - Getting Started with Office 365 - Identity, Provisioning and Basics of Tenant Administration - Dan Usher		SPT09 - Learn About the Top 5 Advanced Search Features You Never Knew You Needed - Paul Olenick		SQT07 - Big Data 101 with Azure HDInsight - Andrew Brust		SQT08 - Implementing Auditing in SQL Server - David Dye		SQT09 - Building Perfect SQL Servers, Every Time - Joey D'Antonio		TMT07 - GO DARK: The PowerShell Delegated Administration Resource Kit - Don Jones		TMT08 - Using Microsoft Azure for Easy, Secure, Off-Site Backup - John O'Neill, Sr.		TMT09 - System Center and the Modern Datacenter: A Tactical Briefing - Greg Shields		MAT03 - ALM with Visual Studio Online (TFS) and Git - Brian Randall		
		VST13 - Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap - Ben Dewey		VST14 - Hate JavaScript? Try TypeScript - Ben Hoelting		VST15 - What's New in WPF 4.5 - Walt Ritscher		VST16 - Understanding Dependency Injection & Writing Testable Software - Miguel Castro		SPT10 - SharePoint 2013 Display Templates and Query Rules - Matt McDermott		SPT11 - Office 365 Information Architecture and Governance 101 - Ben Curry		SPT12 - Getting Started with SharePoint 2013 Workflows - Prashant Bhojraj		SQT10 - Integrating SQL Server Analysis Services with Hadoop - Edwin Sarmiento		SQT11 - Dealing with Errors in SQL Server Integration Services - David Dye		SQT12 - SQL Server High Availability and Disaster Recovery - Chad Churchwell		TMT10 - Top 20 Mistakes in Microsoft Public Key Infrastructure (PKI) Deployments - Mark B. Cooper		TMT11 - Integrating Office 365 with Active Directory Step-by-Step - John O'Neill, Sr.		TMT12 - Career Strategies for IT Professionals: A Roundtable Discussion and Q&A - Don Jones & Greg Shields		MAT04 - Reusing Business and Data Access Logic Across Platforms - Kevin Ford		
		Exhibitor Reception																												
START TIME		Visual Studio Live! Day 2: Wednesday, November 19, 2014							SharePoint Live! Day 2: Wednesday, November 19, 2014					SQL Server Live! Day 2: Wednesday, November 19, 2014					TechMentor Day 2: Wednesday, November 19, 2014					Modern Apps Live! Day 2: Wed., Nov. 19						
END TIME		8:00 AM							9:00 AM					9:00 AM					9:00 AM					9:00 AM						
		Visual Studio Live! Keynote: To Be Announced																												
		SharePoint Live! Keynote: To Be Announced																												
		SQL Server Live! Keynote: To Be Announced																												
		TechMentor Keynote: To Be Announced																												
		Modern Apps Live! Keynote: To Be Announced																												
		VSW01 - Build Cross-Platform Apps with Shared Projects, CSLA, .NET, and C# - Rockford Lhotka		VSW02 - AngularJS Jump-Start - John Papa		VSW03 - Best Practices for Self Hosting Web API Based Services - Rob Daigneau		VSW04 - The Busy Developers Guide to Virtualization with Hyper-V - Brian Randall		SPW01 - Office Graph and Oslo - The Future of Discovering and Consuming Information? - Agnes Molnar		SPW02 - SharePoint Tips and Tricks - Avoiding Administrative Blunders - Dan Usher		SPW03 - Real World: Hybrid Office 365 Solution - Ben Curry		SQW01 - Who Moved My Tuple? Columnstore Indexes in SQL Server 2014 - Joey D'Antonio		SQW02 - Integrating Reporting Services with SharePoint - Kevin Goff		SQW03 - Everything You Never Wanted to Know about SQL Server Indexes - Don Jones		TMW01 - Managing and Deploying BYOD Identity Solutions with a Microsoft PKI - Mark B. Cooper		TMW02 - Managing Infrastructure Migrations at Windows Server's End-of-Life - Rick Claus		TMW03 - Automating Application Installations: An Introduction to Software Packaging & Repackaging - John O'Neill, Sr.		MAW01 - Coding for Quality and Maintainability - Jason Bock		
		VSW05 - Building Cordova Apps in Visual Studio 2013 - Nick Landry		VSW06 - AngularJS Anywhere with Node.js - John Papa		VSW07 - Slice Development Time With ASP.NET MVC, Visual Studio, and Razor - Philip Japikse		VSW08 - Build It and Ship It with TFS and Release Management - Brian Randall		SPW04 - To Be Announced		SPW05 - SharePoint Intranet Design - Michael Doyle		SPW06 - Roadmap for a Successful Migration to SharePoint Online - Paul Olenick		SQW04 - Getting Started with MDX - William E. Pearson III		SQW05 - To Be Announced		SQW06 - Virtualizing SQL Server in VMware, Hyper-V, or Xen: Yes or No? - Don Jones		TMW04 - Securing Cloud Servers and Services with PKI Certificates - Mark B. Cooper		TMW05 - Everything You've Needed to Know about Windows Scale Out File Server - Rick Claus		TMW06 - Skype Internals from a Security Perspective - Andy Malone		MAW02 - UX Design for Modern Apps - Anthony Handley		
		Birds-of-a-Feather Lunch - Visit the EXPO																												
		Birds-of-a-Feather Lunch - Visit the EXPO																												
		VSW09 - What's New in Azure for Developers - Vishwas Lefe		VSW10 - I Just Met You, and "This" is Crazy, But Here's My NaN, So Call(me) Maybe? - Rachel Appel		VSW11 - Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI - Marcel de Vries		VSW12 - Readable Code - John Papa		SPW07 - Deploying Provider-Hosted Apps Into Production - Paul Schaefflein		SPW08 - Optimizing SQL Server 2014 for SharePoint 2013 - Brian Alderman		SPW09 - Office 365: Considerations for a Hybrid Deployment - Geoff Varosky		SQW07 - Getting Started with Analysis Services 2014 Tabular - William E. Pearson III		SQW08 - Programming the T-SQL Enhancements in SQL Server 2012 - Leonard Label		SQW09 - Prevent Recovery Amnesia - Forget the Backups - Chris Bell		TMW07 - CIM-ple Remote Management with PowerShell - Jeffery Hicks		TMW08 - Troubleshooting the Windows Client, an Introductory Clinic - Jeff Stokes		TMW09 - The Dark Side of Social Networking and How to Survive It - Andy Malone		MAW03 - Applied UX: iOS, Android, Windows - Anthony Handley		
		Networking Break - Visit the EXPO - Expo Raffle @ 3:30 p.m.																												
		Networking Break - Visit the EXPO - Expo Raffle @ 3:30 p.m.																												
		VSW13 - API Management - Vishwas Lefe		VSW14 - Creating HTML5 and Angular Websites Using Visual Studio LightSwitch - Michael Washington		VSW15 - Build Real-Time Websites and Apps with SignalR - Rachel Appel		VSW16 - Visual Studio Online: An Update Every Three Weeks - Brian Randall		SPW10 - Test-driven Development with SharePoint 2013 - Bill Ayres		SPW11 - Bringing the Users With You - SharePoint 2013 Adoption and Engagement - Robert Bogue		SPW12 - SharePoint and the Mystical OneDrive for Business - Dan Usher		SQW10 - Implementing Data Warehouse Patterns with the Microsoft BI Tools - Kevin Goff		SQW11 - Accelerate Database Performance through Data Compression - Joey D'Antonio		SQW12 - Building a Database Deployment Pipeline - Grant Fritchey		TMW10 - Creating Graphical PowerShell Tools - Jeffery Hicks		TMW11 - Building a Better VDI Image: Best Practices from Microsoft - Jeff Stokes		TMW12 - The Hacker's Guide to Identify Theft and How to Survive It - Andy Malone		MAW04 - Leveraging Azure Services - Kevin Ford		
		Live! 360 Evening Event																												
START TIME		Visual Studio Live! Day 3: Thursday, November 20, 2014							SharePoint Live! Day 3: Thursday, November 20, 2014					SQL Server Live! Day 3: Thursday, November 20, 2014					TechMentor Day 3: Thursday, November 20, 2014					Modern Apps Live! Day 3: Thurs., Nov. 20						
END TIME		8:00 AM							9:15 AM					9:15 AM					9:15 AM					9:15 AM						
		VSH01 - Creating Visual Studio Cloud Business Applications for Office 365 / SharePoint 2013 - Michael Washington		VSH02 - To Be Announced		VSH03 - Games Development with Unity and Other Frameworks for Windows and Windows Phone - Brian Peek		VSH04 - Managing the .NET Compiler - Jason Bock		SPH01 - How to Develop and Debug Client-Side Code - Mark Rockley		SPH02 - Managing SharePoint 2013 with System Center Operations Manager (SCOM) 2012 R2 - Jason Kaczor		SPH03 - Getting a Grip on SharePoint Social - Michael Doyle		SQH01 - SQL Server Reporting Services on Power BI - Kevin Goff		SQH02 - Getting Started Reading Query Execution Plans - Grant Fritchey		SQH03 - Database Design: Size DOES Matter - Thomas LaRock		TMH01 - Managing Hyper-V with Windows PowerShell - Jeffery Hicks		TMH02 - Building a Secure and Cost-Effective BitLocker - Sami LaHo		TMH03 - Improve Your Tech Writing Skills: Lessons from a Professional Author - Don Jones		MAH01 - Analyzing Results with Power BI - Steve Hughes		
		VSH05 - Microsoft Azure Web Sites for the Web Developer - Eric D. Boyd		VSH06 - Building Rich Data Input Windows 8 Applications - Brian Noyes		VSH07 - Build Your First Mobile App in 1 Hour with Microsoft App Studio - Nick Landry		VSH08 - Writing Asynchronous Code Using .NET 4.5 and C# 5.0 - Brian Peek		SPH04 - Deep Dive into Office 365 APIs - Jeremy Thake		SPH05 - No Governance As Usual - Robert Bogue		SPH06 - Is "Enterprise Search" Dead??? - Agnes Molnar		SQH04 - Excel, Power BI, and You: An Analytics Superhub - Andrew Brust		SQH05 - Secrets of SQL Server: Database WORST Practices - Pinal Dave		SQH06 - Securing Your Database by Using Transparent Data Encryption (TDE) - Bradley Ball		TMH04 - Document Everything with Windows PowerShell - Jeffery Hicks		TMH05 - The Real-World Guide to Upgrading your IT Skills AND Your Infrastructure, Part 1 - Rick Claus		TMH06 - Proactive Security in Windows Environments - Sami LaHo		MAH02 - Building a Native iOS App - To Be Announced		
		VSH09 - Moving Web Apps to the Cloud - Eric D. Boyd		VSH10 - XAML Antipatterns - Ben Dewey		VSH11 - To Be Announced		VSH12 - Asynchronous Debugging in .NET - Jason Bock		SPH07 - Lazy Client-side Dev: Let the 3rd-party Libraries Do the Heavy Lifting - Mark Rockley		SPH08 - Automating your Enterprise Application Deployments with PowerShell - Geoff Varosky		SPH09 - Implementing ECM Solutions with SharePoint 2013 - Robert Bogue		SQH07 - Self-Service BI Governance - Jen Underwood		SQH08 - Statistics and the Query Optimizer - Grant Fritchey		SQH09 - To Be Announced		TMH07 - Discussing the Future of Desktop Administration: Are Configuration Manager's Days Numbered? - Don Jones & Greg Shields		TMH08 - The Real-World Guide to Upgrading your IT Skills AND Your Infrastructure, Part 2 - Rick Claus		TMH09 - How to Build a Perfect File Server with Windows Server - Sami LaHo		MAH03 - Building an Android App with Xamarin - Nick Landry		
		Lunch on the Lanai																												
		Lunch on the Lanai																												
		VSH13 - Node.js for .NET Developers - Jason Bock		VSH14 - Building Maintainable and Extensible MVVM WPF Apps with Prism 5 - Brian Noyes		VSH15 - Learning Entity Framework 6 - Leonard Label		VSH16 - Rock Your Code Using Code Contracts - David McCarter		SPH10 - BreezeJS Makes Client-Side SharePoint 2013 REST Development a BREEZE! - Andrew Connell		SPH11 - 10 Misconceptions of Information Architecture You Should Forget - Agnes Molnar		SPH12 - Developers Approach to Search Applications - Matt McDermott		SQH10 - Busy Developer's Guide to R - Ted Neward		SQH11 - Inside the SQL Server Query Optimizer - Bradley Ball		SQH12 - Monitoring Databases in a Virtual Environment - Thomas LaRock		TMH10 - Eliminate the Regulatory Compliance Nightmare - J. Peter Bruzzone		TMH11 - To Be Announced		TMH12 - Oh Snap! Active Directory Attribute-Level Recovery when the AD Recycle Bin Cannot Help - Ashley McGlane		MAH04 - Building a Windows App - Brent Edwards		
		VSH17 - Building Mobile Cross-Platform Apps in C# with Azure Mobile Services - Nick Landry		VSH18 - XAML for the WinForms Developer - Philip Japikse		VSH19 - Database Development with SQL Server Data Tools - Leonard Label		VSH20 - Rock Your Code With Visual Studio Add-ins - David McCarter		SPH13 - SharePoint Design Manager - Step by Step - Paul Schaefflein		SPH14 - SharePoint Forensics for IT Professionals - Jason Kaczor		SPH15 - Introducing Office Web Apps as a Tool for Developing Content Rich Applications - Ryan McIntyre		SQH13 - Advanced Analytics and Data Mining for Power BI - Jen Underwood		SQH14 - Cardinality Estimates in SQL Server 2014 - Thomas LaRock		SQH15 - Busy Developer's Guide to NoSQL - Ted Neward		TMH13 - Exchange 2013 and SharePoint 2013: Better Together - J. Peter Bruzzone		TMH14 - Migrating Your Windows Fallover Clusters - Is Now the Right Time to Upgrade? - Bruce Mackenzie-Low		TMH15 - Migrate GPOs from One Domain / Forest to another Using PowerShell - Ashley McGlane		MAH05 - Building a Responsive Single Page App - Allen Conway		
		Live! 360 Conference Wrap-up Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka																												
START TIME		Visual Studio Live! Post-Conference Workshops: Friday, November 21, 2014							SharePoint Live! Post-Conference Workshops: Friday, November 21, 2014					SQL Server Live! Post-Conference Workshops: Friday, November 21, 2014					TechMentor Post-Conference Workshops: Friday, November 21, 2014					MAL! Post-Conf. Workshop: Fri., Nov. 21, 2014						
END TIME		8:00 AM							5:00 PM					5:00 PM					5:00 PM					5:00 PM						
		VSF01 - Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API - Miguel Castro		VSF02 - Workshop: Build a Windows 8.1 Application in a Day - Philip Japikse					SPF01 - Workshop: Apps for SharePoint - The Next Level - Paul Schaefflein		SPF02 - Workshop: Implementing Search Based Intranet in SharePoint 2013 and Office 365 - Agnes Molnar			SQF01 - Workshop: Performance Tuning Best Practices - Every DBA and Developer MUST Know - Pinal Dave		SQF02 - Workshop: SQL Server 2014 for Developers - Leonard Label			TMF01 - Workshop: Microsoft Exchange Boot Camp for the Accidental Exchange Administrator - J. Peter Bruzzone		TMF02 - Workshop: Windows Troubleshooting DEEP DIVE - Bruce Mackenzie-Low			MAF01 - Workshop: Modern App Development In-Depth: iOS, Android, Windows, and Web - Brent Edwards, Anthony Handley, & Allen Conway						

Speakers and sessions subject to change

Agenda At-A-Glance (Sunday, Monday & Tuesday)

ASP.NET		Cloud Computing		Cross-Platform Mobile Development		Data Management		JavaScript / HTML5 Client		Visual Studio / .NET Framework		Windows Client		Windows Phone	
START TIME	END TIME	Visual Studio Live! Pre-Conference: Sunday, November 16, 2014													
4:00 PM	9:00 PM	Pre-Conference Registration – Royal Pacific Resort Conference Center													
6:00 PM	9:00 PM	Dine-A-Round Dinner @ Universal CityWalk													
		MONDAY, November 17, 2014: Visual Studio Live! Pre-Conference Workshops													
8:00 AM	5:00 PM	VSM01 - Workshop: Native Mobile App Development for iOS, Android, and Windows using C# - Marcel de Vries & Rockford Lhotka				VSM02 - Workshop: AngularJS in 0 to 60 - John Papa				VSM03 - Workshop: From Code to Release: DevOps for Developers - Brian Randell					
5:00 PM	6:00 PM	EXPO Preview													
6:00 PM	7:00 PM	Live! 360 Keynote: To Be Announced													
		TUESDAY, November 18, 2014: Visual Studio Live! Day 1													
8:00 AM	9:00 AM	Visual Studio Live! Keynote: To Be Announced													
9:00 AM	9:30 AM	Networking Break • Visit the EXPO													
9:30 AM	10:45 AM	VST01 - Getting Started with Xamarin - Walt Ritscher			VST02 - Great User Experiences with CSS 3 - Robert Boedigheimer			VST03 - What's New in MVC 5 - Miguel Castro			VST04 - New IDE and Editor Features in Visual Studio 2013 - Deborah Kurata				
11:00 AM	12:15 PM	VST05 - Building Your First Universal Application for Windows Phone and Windows Store - Brian Peek			VST06 - HTML5 and Modernizr for Better Web Sites - Robert Boedigheimer			VST07 - What's New in Web API 2 - Miguel Castro			VST08 - Visual Studio Data Tools for Developers - Deborah Kurata				
12:15 PM	2:00 PM	Lunch • Visit the EXPO													
2:00 PM	3:15 PM	VST09 - Introduction to Developing Mobile Apps for the Web Developer - Ben Hoelting			VST10 - Build an Angular and Bootstrap Web Application in Visual Studio from the Ground Up - Deborah Kurata			VST11 - ASP.NET MVC for Mobile Devices - Rob Daigneau			VST12 - The Road to Continuous Delivery, Automated UI Testing for Web, WPF and Windows Forms - Marcel de Vries				
3:15 PM	4:15 PM	Networking Break • Visit the EXPO													
4:15 PM	5:30 PM	VST13 - Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap - Ben Dewey			VST14 - Hate JavaScript? Try TypeScript - Ben Hoelting			VST15 - What's New in WPF 4.5 - Walt Ritscher			VST16 - Understanding Dependency Injection & Writing Testable Software - Miguel Castro				
5:30 PM	7:30 PM	Exhibitor Reception													

Speakers and sessions subject to change

Continued

Agenda At-A-Glance (Wednesday)

ASP.NET	Cloud Computing	Cross-Platform Mobile Development	Data Management	JavaScript / HTML5 Client	Visual Studio / .NET Framework	Windows Client	Windows Phone
START TIME END TIME WEDNESDAY, November 19, 2014: Visual Studio Live! Day 2							
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced					
9:15 AM	10:30 AM	VSW01 - Build Cross-Platform Apps with Shared Projects, CSLA .NET, and C# - Rockford Lhotka	VSW02 - AngularJS Jump-Start - John Papa	VSW03 - Best Practices for Self Hosting Web API Based Services - Rob Daigneau	VSW04 - The Busy Developers Guide to Virtualization with Hyper-V - Brian Randell		
10:30 AM	11:00 AM	Networking Break • Visit the EX					
11:00 AM	12:15 PM	VSW05 - Building Cordova Apps in Visual Studio 2013 - Nick Landry	VSW06 - AngularJS Anywhere with Node.js - John Papa	VSW07 - Slice Development Time With ASP.NET MVC, Visual Studio, and Razor - Philip Japikse	VSW08 - Build It and Ship It with TFS and Release Management - Brian Randell		
12:15 PM	1:45 PM	Birds-of-a-Feather Lunch • Visit the EXPO					
1:45 PM	3:00 PM	VSW09 - What's New in Azure for Developers - Vishwas Lele	VSW10 - I Just Met You, and "This" is Crazy, But Here's My NaN, So Call(me) Maybe? - Rachel Appel	VSW11 - Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI - Marcel de Vries	VSW12 - Readable Code - John Papa		
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.					
4:00 PM	5:15 PM	VSW13 - API Management - Vishwas Lele	VSW14 - Creating HTML5 and Angular Websites Using Visual Studio LightSwitch - Michael Washington	VSW15 - Build Real-Time Websites and Apps with SignalR - Rachel Appel	VSW16 - Visual Studio Online: An Update Every Three Weeks - Brian Randell		
8:00 PM	10:00 PM	Live! 360 Evening Event					

Speakers and sessions subject to change

Continued

Agenda At-A-Glance (Thursday & Friday)

ASP.NET		Cloud Computing	Cross-Platform Mobile Development	Data Management	JavaScript / HTML5 Client	Visual Studio / .NET Framework	Windows Client	Windows Phone
THURSDAY November 20, 2014: Visual Studio Live! Day 3								
8:00 AM	9:15 AM	VSH01 - Creating Visual Studio Cloud Business Applications for Office 365 / SharePoint 2013 <i>- Michael Washington</i>	VSH02 - To Be Announced		VSH03 - Games Development with Unity and Other Frameworks for Windows and Windows Phone <i>- Brian Peek</i>		VSH04 - Managing the .NET Compiler <i>- Jason Bock</i>	
9:30 AM	10:45 AM	VSH05 - Microsoft Azure Web Sites for the Web Developer <i>- Eric D. Boyd</i>	VSH06 - Building Rich Data Input Windows 8 Applications <i>- Brian Noyes</i>		VSH07 - Build Your First Mobile App in 1 Hour with Microsoft App Studio <i>- Nick Landry</i>		VSH08 - Writing Asynchronous Code Using .NET 4.5 and C# 5.0 <i>- Brian Peek</i>	
11:00 AM	12:15 PM	VSH09 - Moving Web Apps to the Cloud <i>- Eric D. Boyd</i>	VSH10 - XAML Antipatterns <i>- Ben Dewey</i>		VSH11 - To Be Announced		VSH12 - Asynchronous Debugging in .NET <i>- Jason Bock</i>	
12:15 PM	1:30 PM	Lunch on the Lanai						
1:30 PM	2:45 PM	VSH13 - Node.js for .NET Developers <i>- Jason Bock</i>	VSH14 - Building Maintainable and Extensible MVVM WPF Apps with Prism 5 <i>- Brian Noyes</i>		VSH15 - Learning Entity Framework 6 <i>- Leonard Lobel</i>		VSH16 - Rock Your Code Using Code Contracts <i>- David McCarter</i>	
3:00 PM	4:15 PM	VSH17 - Building Mobile Cross-Platform Apps in C# with Azure Mobile Services <i>- Nick Landry</i>	VSH18 - XAML for the WinForms Developer <i>- Philip Japikse</i>		VSH19 - Database Development with SQL Server Data Tools <i>- Leonard Lobel</i>		VSH20 - Rock Your Code With Visual Studio Add-ins <i>- David McCarter</i>	
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka						
FRIDAY, November 21, 2014: Visual Studio Live! Post-Conference Workshops								
8:00 AM	05:00 PM	VSF01 - Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API <i>- Miguel Castro</i>			VSF02 - Workshop: Build a Windows 8.1 Application in a Day <i>- Philip Japikse</i>			

Speakers and sessions subject to change

Session Descriptions by Track

ASP.NET

Microsoft continues to put a lot of investment into improving ASP.NET. Now with the “One ASP.NET” initiative, ASP.NET allows you to create Web sites that leverage Web Forms, MVC, and the Web API, as needed, to meet your application requirements. This track includes:

- ASP.NET MVC 5
- ASP.NET Web API 2
- ASP.NET SignalR

■ VST03 What’s New in MVC 5 – Intermediate Miguel Castro

Tuesday, November 18, 9:30 – 10:45am

Well, it’s that time again where we get another new release from Microsoft on a series of platforms. Happily, the particular platform I’m talking about here is one that just keeps getting better and better: ASP.NET MVC. For the most part, the code you write is not changing so fear not, but there are some pretty cool additions I want to talk to you about, among which are Katana/Owin, Bootstrap, Security features, Scaffolding, and my favorite feature of all, Attribute Routing. So join me and let’s see stir the pot of web development, yet again!

You will learn:

- What’s changed and what’s new with MVC 5
- Dev Techniques for using new features

■ VST07 What’s New in Web API 2 – Intermediate

Miguel Castro

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

If you thought you had new stuff to learn with MVC 5, you’re not done learning if you’re also a Web API developer. But as in the case with MVC, the new Web API 2 stuff includes welcome additions like External Authentication, Katana hosting, and the most-awesome Attribute Routing.

And if you’re into OData, there are also some new options to help shape your responses even further. Whether you think Web API is “Restful” or not, it’s still totally cool and a must-know for any developer today, and part 2 makes it even better.

You will learn:

- What’s changed and what’s new with Web API 2
- Dev Techniques for using new features

■ VST11 ASP.NET MVC for Mobile Devices – Introductory

Rob Daigneau

Tuesday, November 18, 2:00 – 3:15pm

Mobile devices are everywhere. Unfortunately, most of today’s web applications are very hard to use on mobile devices and don’t look very good when rendered on them. The challenge for developers is how to create rich, responsive web applications that work in full-size browsers and on mobile devices with the minimum amount of code. In this session, you’ll see how MVC4 will help you do just that.

You will learn:

- How to create an MVC4 application capable of targeting multiple device types
- How to leverage Razor layouts and views for various display types
- How to use jQuery Mobile to create rich UIs

■ VSW03 Best Practices for Self Hosting Web API Based Services – Intermediate / Advanced

Rob Daigneau

Wednesday, November 19, 9:15 – 10:30am

The first and most natural stop for hosting Web API based services is IIS. After all, this infrastructure provides a number of mature features that help IT professionals monitor and manage web services. However, there are times when it makes sense to host these services outside of IIS. In this session, we’ll explore the benefits and trade-offs of self-hosting

Web API based services. You’ll see how to implement a hosting container with OWIN and “windows services”. We’ll also look at techniques to implement basic health monitoring and service management.

You will learn:

- The benefits and trade-offs of self-hosting Web API based services
- How to implement self-hosting with OWIN and windows services
- How to implement basic health monitoring and service management

■ VSW07 Slice Development Time with ASP.NET MVC, Visual Studio, and Razor – Intermediate

Philip Japikse

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

ASP.NET MVC introduced the Razor View Engine and a host of productivity improvements. Philip will show you how to speed development with Visual Studio MVC features as well as the Razor View Engine to cut repetitive tasks to shreds.

You will learn:

- Razor benefits (functions, templates, delegates)
- Visual Studio productivity tools (scaffolding)
- Visual Studio custom projects and templates

■ VSW11 Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI – Intermediate

Marcel de Vries

Wednesday, November 19, 1:45 – 3:00pm

How well do you test your web application or website? Are you still testing your site manually and does that take a lot of time? Do you find it hard to create and maintain automated tests for web applications? Come to this session!

In this session, Marcel will teach you how you can build cross

Session Descriptions by Track

browser automated test suites using Visual Studio CodedUI and integrate it with Microsoft Test Manager to show you a holistic view of your current sprint in terms of completion and test coverage. He will show you how you can set up your test cases using record & Playback and show you how the CodedUI API works. He will show you how you can build test suites in such a way that they are maintainable by default and introduce you to the concept of Page Objects that enable us to build SOLID, DRY and DAMP tests.

You will learn:

- How to use CodedUI to build automated UI test
- How record and Playback automation works and its limitations
- How the CodedUI API and object model works

■ VSW15 Build Real-Time Websites and Apps with SignalR – Intermediate

Rachel Appel

Wednesday, November 19, 4:00 – 5:15pm

If you've ever wanted to build a highly responsive app that leverages a real-time communications library, then SignalR is for you! Real-time web functionality is the ability to have the server push messaging aggressively to the client, rather than relying on the client to make multiple and frequent requests. SignalR is a set of ASP.NET server and client libraries that you can use to build real time, scalable, websites and apps. You can use SignalR in both enterprise and consumer apps, and across platforms. This session covers what you need to know to build a SignalR app that connects multiple clients instantaneously.

You will learn:

- How to use the SignalR libraries
- About polling and real-time development techniques
- About cross platform client connectivity

CLOUD COMPUTING

A growing number of IT practitioners believe the future of application development is service-based and in the cloud. Cloud computing offers flexible scalability and can provide a less expensive way to host many applications. Even if you aren't ready for Windows Azure yet, you owe it to yourself to become familiar with cloud computing and the services approach to development. This track includes coverage of the following:

- Migrating Web apps to the cloud
- Visual Studio Cloud Business Applications
- Microsoft Azure Web Sites

■ VSW09 What's New in Azure for Developers - Introductory

Vishwas Lele

Wednesday, November 19, 1:45 – 3:00pm

It seems like a full time job to keep up with all the announcements coming from the Azure team, but at Visual Studio Live! we have you covered. In this session, we will get you caught up with the recent new announcements (such as Web Jobs, Express Route, Traffic Manager and AD Premium), as well as key enhancements to the existing services such as Storage, Web Sites and SQL Databases. But more than just enumerate the new features, we will discuss design tradeoffs and key motivations related to the new features.

You will learn:

- New Azure Services
- Enhancements to existing services
- Guidance for using leveraging new features: tradeoffs and key motivations.

■ VSW13 API Management – Introductory

Vishwas Lele

Wednesday, November 19, 4:00 – 5:15pm

The importance of APIs to businesses cannot be overstated; just look at the way APIs have transformed the recent trends in social, cloud and mobile markets. Consequently, the API Management space is important than ever. API Management is a brand new service that helps organizations expose and publish their backend services as APIs for external and internal consumption. In this session, we will do a quick tour around API Management offerings through a series of code demonstrations.

You will learn:

- Importance of APIs to businesses
- Introduction to API management
- Understanding of API management offering presented through a series of code demonstrations

■ VSH01 Creating Visual Studio Cloud Business Applications for Office 365 / SharePoint 2013 – Introductory / Intermediate

Michael Washington

Thursday, November 20, 8:00 – 9:15am

You can create fast building mobile-first, data-centric apps for Office 365 / SharePoint 2013. The purpose of this session is to demonstrate how Visual Studio Cloud Business apps allow you to create professional business applications that would take a developer days to create. With Visual Studio Cloud Business apps you can create such applications in under an hour.

You will learn:

- How to read, write, update, and delete data
- How to incorporate Document Libraries in a Cloud Business App
- How to use Newsfeeds to Socialize Data in a Cloud Business App

Session Descriptions by Track, continued

■ VSH05 Microsoft Azure Web Sites for the Web Developer – Introductory / Intermediate Eric D. Boyd

Thursday, November 20, 9:30 – 10:45am

Do you develop web applications and services using Classic ASP, ASP.NET, PHP or Node.js? If the answer is yes, you should get acquainted with Windows Azure Web Sites.

In this session, Microsoft Azure MVP, Eric D. Boyd will walk you through what Microsoft Azure Web Sites is all about, and it's not your father's Azure. If you've been scared away from Azure by the complexity of Azure Cloud Services, Web and Worker roles, and all the complex PaaS talk, don't fear. Microsoft Azure Web Sites removes all of this complexity and simplifies the cloud for the web developer. And you still get all of the benefits of self-service, elastic, economy of scale cloud services.

You will learn:

- Get started with Microsoft Azure Web Sites
- Setup WordPress and another web applications in minutes
- Deploy your own applications on-demand using FTP, Web
- Deploy and Command Line Interfaces
- Setup continuous deployment using TFS, GIT and even Dropbox

■ VSH09 Moving Web Apps to the Cloud – Eric D. Boyd

Thursday, November 20, 11:00am – 12:15pm

As a developer with years of experience developing web apps using ASP.NET, SQL Server, Windows Server and Active Directory, how do you move to the cloud with Microsoft Azure? How can you apply your existing skills and experience to developing cloud apps in Microsoft Azure? In this session, we will take a simple, traditional ASP.NET app and walk through the migration to Microsoft Azure. We'll discuss the important considerations, practices, architectural differences, challenges, advantages and economic benefits to consider when migrating to Microsoft Azure.

You will learn:

- Overview of common business challenges and scenarios that drive Cloud migration
- How to move traditional on-premise web applications to Microsoft Azure
- Architectural considerations for maximizing the value of the Cloud

■ VSF01 Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API – Introductory / Intermediate

Miguel Castro

Friday, November 21, 8:00am – 5:00pm

Service Oriented Architectures are the best way to ensure that today's applications are extensible, 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 (don't say it), and the need for great technology and tooling. WCF 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 interoperability power becomes more necessary and in more demand. Come learn both of these technologies and how to properly use them, apart and together.

I'll teach you what a Service Oriented Architecture is and how to use WCF & Web API from the ground up. Then I'll show how to integrate both these technologies together into applications whose clients may vary from WPF to ASP.NET MVC to Windows 8 Tablet apps. I'll cover setup and consumption of your services end-to-end, showing you how and where to properly set up your projects, properly use proxies, contracts, and even REST URL design. You'll have the knowledge of how to use service technology and to properly implement it in a clean and elegant fashion.

You will learn:

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



“I really enjoyed the variety of topics, and the expertise and presentation skills of many speakers. My primary focus was Visual Studio; but I found that a few SQL sessions were really helpful.”

- Oksana Koutun, Price for Profit

Session Descriptions by Track, continued

CROSS-PLATFORM MOBILE DEVELOPMENT

Mobile clients are becoming a common vehicle to allow users' interaction 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. This track includes:

- Using Xamarin tools to leverage your C# code on iOS and Android
- Building Cordova Apps in Visual Studio 2013
- Creating Responsive Apps with JavaScript and Bootstrap

■ VSM01 Workshop: Native Mobile App Development for iOS, Android, and Windows using C# – Intermediate

Marcel de Vries & Rockford Lhotka

Monday, November 17, 8:00am – 5:00pm

So you need to build a mobile app but have been a C# developer for a long time. What are your options? Should I build a mobile app using the web approach and build my mobile app with HTML and Java Script? Or do I need to learn objective C for iOS, or perhaps Java to build an Android app? Do I need to learn all those different languages and frameworks to build mobile apps or are there other options for me as a C# developer?

Fortunately there are! The option that stands out for you as a C# developer is the option to build Native apps using C#. Xamarin makes this happen even from you Visual Studio IDE, by providing a language projection of the native platform libraries (Android or iOS) to C# and an implementation of the .NET framework that runs on that device.

In this full day workshop Rocky and Marcel will walk you through the process of building one app for multiple platforms. They will show how to share as much code as possible, while keeping the uniqueness of each platform to appeal to the native users as much as possible. They will

go into details of each platform, the app concepts of each platform and how to build native apps for these platforms using the native libraries from C#. They will also show in detail how you can architect your app in such a way that you can share code amongst these platforms that will help you get much better ROI then building three native apps using the vendor provided toolsets.

After this workshop you will be able to build your first mobile apps on the different platforms with the Xamarin toolset and have a good understanding about the different platforms, what makes them unique and how you can build a cross platform app, while maintaining the platform uniqueness and sharing a large chunk of your codebase.

■ VST01 Getting Started with Xamarin – Introductory / Intermediate

Walt Ritscher

Tuesday, November 18, 9:30 – 10:45am

Xamarin is quickly becoming the go-to platform for C# developers who want to build cross platform native apps that run on iOS, Android, Mac and Windows devices. You work with familiar .NET libraries when they suit the application's needs. But you also get access to the native API's for each platform when necessary. This introductory session shows how easy it is to start working with Xamarin projects.



You will learn:

- How to make shared codebase for apps running on iOS, Mac, Windows and Android platforms
- Discover the differences between Xamarin Studio and Visual Studio
- How to start making Xamarin based applications

■ VST05 Building Your First Universal Application for Windows Phone and Windows Store – Introductory

Brian Peek

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

Universal Apps enable developers to build apps for Windows Store and Windows Phone simultaneously while sharing code, controls, and other assets between them. In this session, you will learn how Universal Apps work as we build a simple app from start to finish using this new project type. We will cover what can and can't be shared, and how to best structure your project for maximum re-use.

You will learn:

- Introduction to Universal Apps
- Sharing code between projects
- Maximizing code re-use between Windows Store and Windows Phone

■ VST09 Introduction to Developing Mobile Apps for the Web Developer – Introductory / Intermediate

Ben Hoelting

Tuesday, November 18, 2:00 – 3:15pm

Developing mobile apps is very attractive for many reasons, but the cost and time investment to get started is intimidating for most. Developing a native app for every platform requires a different development toolset as well as duplicate code bases. Mobile web apps have a single code base but limited access to native device capabilities and are not store deployable. In this session, you will learn the foundations for developing mobile apps that you can submit to the

Session Descriptions by Track, continued

store using the skills you already know as a web developer.

You will learn:

- The differences between building apps using Web, Native or Hybrid
- How to develop cross-platform mobile apps using HTML5, JavaScript and CSS
- How to get started with PhoneGap and Apache Cordova

■ VST13 Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap –

Ben Dewey

Tuesday, November 18, 4:15 – 5:30pm

In this session, Ben Dewey will show how to create cross platform apps with the Bootstrap open source project. This project is a CSS and JavaScript framework for developing Responsive Web Apps that can be deployed on desktops, phones, and tablets. In Windows, these apps can be deployed directly as a Windows Store app. At the same time this framework allows you to deploy a single cross platform app to numerous devices using native application hosts such as Cordova.

You will learn:

- Tips for Good Responsive Design
- How to build cross platform apps for web, native Windows Store and Cordova (Phone Gap)
- How to use the Bootstrap CSS and JavaScript framework

■ VSW01 Build Cross-Platform Apps with Shared Projects, CSLA .NET, and C#

– *Intermediate*

Rockford Lhotka

Wednesday, November 19, 9:15 – 10:30am

The Shared Product feature added to Visual Studio 2013 to support Universal Apps can be used across all project types from Windows Forms to iOS with Xamarin. One key requirement is that your shared code and supporting frameworks also work across all project types. CSLA .NET is one of the most widely used open source .NET development frameworks, and it supports all platforms along with Shared Projects, allowing you to reuse all your business logic on desktop, web, and mobile projects. In this session, you will learn how these tools work together to support you in your business software development efforts.

You will learn:

- Understand Shared Projects
- Understand CSLA .NET
- Leverage both tools to reuse all your business logic across all platforms

■ VSW05 Building Cordova Apps in Visual Studio 2013 –

Nick Landry

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

Details coming soon

DATA MANAGEMENT

You'd be hard pressed to find an Enterprise application that doesn't use or maintain a database, which is why data management is a key skill set for developers of all stripes. Visual Studio Live! meets this need handsomely, with coverage of:

- Entity Framework 6
- SQL Server Data Tools (SSDT)

■ VSH15 Learning Entity Framework 6

– *Intermediate*

Leonard Lobel

Thursday, November 20, 1:30 – 2:45pm

Microsoft has clearly positioned the Entity Framework 6 (EF) as the primary data access platform for .NET applications. But many developers have yet to embrace the powerful Object Relational Mapping (ORM) capabilities that EF offers. Whether you're new to ORM, or you've dabbled in other ORM technologies, Lenni will show how quickly you can start working with EF6 and boost your productivity when building data-centric .NET applications.

We'll begin with a quick introduction to ORM and EF, and then explain many of the special ORM features in EF6, such as the Entity Data Model (EDM), and support for table splitting, inheritance, entity splitting, and many-to-many relationships. With the basics covered, Lenni will then dive right into live demos that show what EF can do for you as a data access layer, using database-first, model-first, and code-first approaches with both direct SQL and stored procedures. We'll also discuss new features introduced in EF6, and show how to use EF in N-Tier scenarios.

You will learn:

- The purpose and benefits of ORM
- About the Entity Data Model (EDM)
- How to query and update data with EF using LINQ and Entity SQL

“The amount of topics on a wide array of different subject areas made the event comprehensive enough to really create my own custom track. Awesome conference all around.”

– *David Macintosh, Agilysys*

Session Descriptions by Track, continued

■ VSH19 Database Development with SQL Server Data Tools – Intermediate Leonard Lobel

Thursday, November 20, 3:00 – 4:15pm

SQL Server Data Tools (SSDT) is a powerful integrated development environment for designing, testing, and deploying SQL Server databases - whether you're working locally or remotely, connected or offline, or in the cloud on Windows Azure - all from right inside of Visual Studio. While SQL Server Management Studio (SSMS) continues to serve as the primary tool for database administrators, SSDT plugs in to Visual Studio as a special database project type designed specifically for the application developer.

In this session, Lenni begins by describing the various difficulties that developers face, and then demonstrates how SSDT can be used to remedy those pain points. You will learn how to use features such as code navigation, IntelliSense, and refactoring with your data-base model - indispensable tools traditionally available only for application development in Visual Studio. We'll also cover the declarative model that allows you to design data-bases offline and under source control right from within solution in Visual Studio, as well as how to deploy to Windows Azure SQL Database. Don't miss out on this demo-centric, information-packed session on the current generation of database tools for application developers!

You will learn:

- The benefits of database development with SSDT's declarative model-based architecture
- Understand the various SSDT features and capabilities (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 data-bases, offline database projects, and Windows Azure SQL databases in the cloud all from inside Visual Studio

JAVASCRIPT / HTML5 CLIENT

HTML5 is the standard for Web site and Web app UI design and implementation; JavaScript is not just the programming language for these environments, but is used across client and server development contexts as well. Combining the new HTML markup with powerful new CSS and JavaScript capabilities allows client-side Web developers to create rich and compelling experiences for users. This track includes:

- JavaScript, and CSS 3
- Single Page Applications (SPAs)
- Angular and TypeScript

■ VSM02 Workshop: AngularJS in 0 to 60 – Intermediate

John Papa

Monday, November 17, 8:00am – 5:00pm

HTML5 Single Page Apps (SPAs) focus on delivering enhanced user experiences with significant client-side interactions using JavaScript, HTML5 and CSS. AngularJS does all of the heavy lifting for you to pave the road towards building a SPA. This workshop explores the core pieces that help you build end-to-end SPA solutions using AngularJS including code structure and modularity, using data binding and MV*, abstracted remote data calls, page navigation and routing, rich data features, and responsive design.

Throughout the workshop, you'll learn how to build robust SPA applications with Angular. You'll see several focused demos and full featured apps that will help you learn and understand the role of key AngularJS components such as modules, controllers, factories, directives, and more. We'll wrap up with a dive into rich data management using Breeze.

This workshop covers:

- SPA fundamentals
- Importance of Separation of Concerns (SoC)
- JavaScript patterns for creating organized code
- Key components of AngularJS
- How directives can be used
- The role of views, controllers, and scope
- Managing remote data calls using services or factories
- The role of modules and how they can be used
- Routing and page navigation
- Handling dirty data
- Data validation
- Data binding
- Using rich data with Breeze.js
- Navigating and App LifeCycle
- Debugging Tips

■ VST02 Great User Experiences with CSS 3 – Intermediate

Robert Boedigheimer

Tuesday, November 18, 9:30 – 10:45am

In this session, you will learn how to utilize the new features of CSS 3 to create a dynamic site. CSS 3 provides many new features such as rounded corners, opacity, rgba, web fonts, transitions, transforms, box shadows, multiple background images, and much more. Review what current browser support is for CSS 3, and learn how to provide support in older browsers. Learn about vendor prefixes, why they are used, and a strategy for utilizing them while preparing for the future standardized versions. Discover how media queries have been expanded to provide a foundation for responsive web design and multi device support.

You will learn:

- How to add style to existing pages
- How to use transitions and transformations for a more dynamic site
- Vendor prefixes (and strategies)
- Media queries and multi device support

Session Descriptions by Track, continued

■ VST06 HTML5 and Modernizr for Better Web Sites – Intermediate

Robert Boedigheimer

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

In this session, you will learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

The latest version of HTML is not completely standardized yet, but there are parts that are available in the latest version of browsers. There are many new elements, including those that provide more semantic meaning to common div elements (like header, footer, etc.). A new canvas can be used for drawing, while the audio and video provide new multimedia capabilities. New input types are utilized by devices to provide context sensitive keyboards and improved usability. The new application caching and web storage provide the capability for disconnected web sites for smartphones and tablets. Learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

You will learn:

- New elements
- New input types
- Modernizr and polyfills for older browsers

■ VST10 Build an Angular and Bootstrap Web Application in Visual Studio from the Ground up – Introductory / Intermediate

Deborah Kurata

Tuesday, November 18, 2:00 – 3:15pm

Angular is what HTML would have been had it been designed to build web applications. This session takes you step-by-step through the process of building an Angular application using Visual Studio.

The session starts with an empty Visual Studio project and adds Angular features one by one so you can readily see how each feature works. We'll then style the application by adding Bootstrap. Along the way you will learn how to

"think different" when building Web applications to get the most from Angular and Bootstrap.

You will learn:

- How to use Angular within Visual Studio
- How to use Bootstrap within Visual Studio
- How to "think different" when building a Web application using Angular

■ VST14 Hate JavaScript? Try TypeScript – Intermediate

Ben Hoelting

Tuesday, November 18, 4:15 – 5:30pm

Many C# developers hate JavaScript. Ben believes the reason for their hatred has nothing to do with JavaScript but with the lack of tooling and language features. .NET developers are spoiled by the top notch language and IDE features of Visual Studio. This session will discuss some of the tooling advancements in Visual Studio related to JavaScript development. TypeScript is a new language developed by the creators of C# that compiles to JavaScript. The last portion of this session will dive into TypeScript and discuss some of the language features it provides on top of normal JavaScript. Between the IDE enhancements in VS 2012 and the language features of TypeScript, you will see that JavaScript development is not so bad.

You will learn:

- New JavaScript IDE Features in VS 2012
- A definition of TypeScript
- How to use VS 2012 and TypeScript to make JavaScript development bearable

■ VSW02 AngularJS Jump-Start – Introductory

John Papa

Wednesday, November 19, 9:15 – 10:30am

AngularJS provides a framework to build rich web apps against your choice of back-end. We'll explore the core features of AngularJS that will get you productive quickly including data binding, dependency management, MV-

Whatever, in-browser routing, separation with client services, interacting with HTTP, and animations. These concepts will be shown by building an app from scratch, and along the way we'll see conventions, patterns and tips that can help protect you as you scale to larger applications.

You will learn:

- Core AngularJS concepts
- The basic patterns for creating more sophisticated AngularJS apps
- Go from 0 Angular experience to being a productive SPA developer

■ VSW06 AngularJS Anywhere with Node.js – Introductory / Intermediate

John Papa

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

It is true the AngularJS apps can be built on any back-end, and one of the most popular techniques is to use Mongo, Express, AngularJS, and Node.js (MEAN) together. Learn the role of each of these components with an AngularJS app that runs on Node.js. We'll also take a look at BreezeJS and how it can interact with Mongo to provide rich querying constructs from AngularJS.

You will learn:

- To run AngularJS on Node.js
- The role of the components in the MEAN stack
- To be productive in creating an Express server on Node.js

■ VSW10 I Just Met You, and "This" is Crazy, But Here's My NaN, So Call (me) Maybe? – Introductory / Intermediate

Rachel Appel

Wednesday, November 19, 1:45 – 3:00pm

JavaScript can be a passive-aggressive and fickle language that frustrates you at every turn! It lets you do things like declare variables wherever you want but doesn't tell you that it will hoist them while you're not looking. JavaScript's this keyword is anything but, and eval can turn good code

Session Descriptions by Track, continued

to evil fast. In this session, we will discuss the top 10 common JavaScript headaches, mistakes, or quirks you just need to know as well as how you can avoid them. Learn what can trip you, like the this keyword, JavaScript scoping, evil Eval, and the use of the With statement (VB devs beware!). Alongside those gotchas is the fact that not all equality operators are created equal and how the innocent looking parseInt() causes farce parses. This session will dig into all these language quirks and more!

You will learn:

- About JavaScript oddities
- Common JavaScript coding mistakes
- JavaScript efficiencies



■ **VSW14 Creating HTML5 and Angular Websites Using Visual Studio LightSwitch – Introductory / Intermediate**

Michael Washington

Wednesday, November 19, 4:00 – 5:15pm

Built into Visual Studio 2013 is an incredibly easy to use JavaScript data binding framework that allows you to build HTML5 SPA applications. You can also speed up development of your Angular applications by using Visual Studio LightSwitch to code your model. You can consume your backend OData Visual Studio LightSwitch services in Angular. Coding your business layer in LightSwitch will save you a lot of development time and reduce the code you will be required to write.

You will learn:

- How to create Visual Studio LightSwitch Applications
- How to consume the Visual Studio LightSwitch OData service layer
- How to create Angular Applications that interact with Visual Studio LightSwitch

VISUAL STUDIO / .NET FRAMEWORK

The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 provides ever more powerful features around debugging, architecture and application lifecycle management (ALM). Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and the .NET Framework today and into the future.

Topics in this track include:

- Sessions focused on Visual Studio 2013 and .NET 4.5.1
- ALM, Visual Studio tooling and Visual Studio Online
- Asynchronous programming

■ **VSM03 Workshop: From Code to Release: DevOps for Developers – Intermediate**

Brian Randell

Monday, November 17, 8:00am – 5:00pm

We know you know how to write code. Websites, services, and even mobile apps—you build them all. You hold your daily scrum, you burn down your work, and you finish your product backlog items. But are you finishing up that most important feature? Of course, that feature is shipping.

In this workshop, Brian will show you how to make shipping a feature you check off every time you finish your work. We take a .NET web application and show you how to ship locally and to Microsoft Azure as often as you want. In doing this, we begin by looking at the features available to you from Microsoft in Team Foundation Server 2013 as well as Visual Studio Online. We look at the monitoring tools available both on-premises and in the cloud, and look at how the world of shipping software has matured, including what the industry calls DevOps.

We discuss what you need to do to support continuous deployment. Learn how to use the latest build features, as well as look at various deployment tools such as Release Management for Visual Studio 2013. See how better testing, using tools like System Center Virtual Machine Manager and Lab Management in Team Foundation Server 2013, can make testing easier and more accurate. Learn how you can use load testing in conjunction with Windows Azure to know your app is ready.

Beyond that, sometimes bad things can happen to the best programmers, so you'll want to ensure that you're prepared for issues in production. We look at features—like Application Performance Monitoring in System Center Operations Manager and the new Microsoft Monitoring Agent—that you can use with and without System Center. We also look at Global Service Monitoring for your publically accessible websites as well as the new Application Analytics available through Visual Studio Online.

Session Descriptions by Track, continued

In the last section, we cover how you can customize your DevOps practice by using PowerShell Desired State Configuration, custom workflow tasks for build and deployment, and System Center Orchestrator. You learn how you can make your life better, shipping when you want to—every week or even every day, multiple times a day.

■ VST04 New IDE and Editor Features in Visual Studio 2013 – Introductory / Intermediate

Deborah Kurata

Tuesday, November 18, 9:30 – 10:45am

This session covers the coolest new features in the Visual Studio 2013 IDE and Editor. The new IDE includes Feedback options, Notification Center, and a revised Options dialog.

As developers, we spend the majority of our time in an editor, so the majority of this session is on the new productivity features in the Visual Studio editors. We'll start with Peek Definition and the very cool new Enhanced Scrollbar, then we'll cover the updated Navigate To and much more. This session also includes CodeLens and the new debugging features.

Come and learn how you can get the most from these new tools and features in Visual Studio 2013.

You will learn:

- How to use the new features of Visual Studio 2013 IDE
- How to increase your productivity using the new features
- in the Visual Studio 2013 editors

■ VST08 Visual Studio Data Tools for Developers – Introductory / Intermediate

Deborah Kurata

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

This session covers the data tools available for developers within Visual Studio, called the SQL Server Data Tools (SSDT). There are several tools, options, and features that comprise the SSDT. The SQL Server Object Explorer in Visual Studio is a mini-SQL Server Management Studio. So you can now do most everything you need to do using one tool.

The Database project allows you to check in/out your database table, stored procedure, and data scripts. Compiling a Database project produces a DACPAC that you, your DBA, or a sys admin can use to deploy database changes. No need to ever write a change script again!

Come see how to simplify your database tasks with the SSDT.

You will learn:

- How to use the SQL Server Object Explorer within Visual Studio
- How to build a database project
- How to deploy database changes using a DACPAC

■ VST12 The Road to Continuous Delivery, Automated UI Testing for Web, WPF and Windows Forms – Intermediate

Marcel de Vries

Tuesday, November 18, 2:00 – 3:15pm

Most of you have probably heard of this new industry trend, called continuous delivery. This is where teams not only create software in short sprints, they actually deliver the software into production with the click of a button.

One of the steps involved in achieving a high team velocity and delivering new features in production after each sprint is Automated UI testing. Of course you can test a large part of your application using unit tests, but there is always a small portion of tests that need to be validated in the UI.

In this session, Marcel will show you how to automate your UI testing with the Visual Studio CodedUI test framework, which is part of Visual Studio Premium and above. He will show you how you can build automated UI test suites on Windows Forms applications, WPF Applications, XAML based Store applications, and of course Web applications. We will go through some of the fundamentals of the Object model and the way you can build tests using record and Playback; and we will go into how to write tests that are more easily maintainable by introducing you to the Page Object pattern and a way to write DRY (Don't repeat Yourself) and DAMP (Descriptive And Meaningful Phrases) tests.

You will learn:

- CodedUI test framework that is part of Visual Studio
- How the tools work to build record and playback tests
- How to use the CodedUI object model and apply the Page object Pattern
- How to build maintainable test suites that support the full application lifecycle of your application

■ VST16 Understanding Dependency Injection & Writing Testable Software – Introductory / Intermediate

Miguel Castro

Tuesday, November 18, 4:15 – 5:30pm

Dependency Injection is one of those terms that advanced programmers throw out with an expectation and assumption of full understanding on the part of the receiver. However, I constantly get asked by attendees, students, and clients to please recommend a good DI product and show them how to use it; and when I proceed to start talking about the subject, it becomes immediately apparent that many don't even know what they're asking about. It's easy to get infatuated by a cool buzz phrase, especially when you hear so many others using it. But to truly understand something you need to start by understanding the problem spaces that it is trying to solve. It's important to learn the concepts behind DI so you can write software that can be properly tested. So let's bring you totally up to speed then.

Session Descriptions by Track, continued

In this session, I'll explain dependency injection from concept to implementation, and use raw code samples to show you how it works and what problems it solves. I'll demonstrate how writing abstracted code can help you test your applications much better, whether or not use a DI container. Then I'll get into what a DI container is and some of the characteristics of the ones that are out there, including MEF. I'll finish by showing you implementation examples in three different platforms.

You will learn:

- Abstraction and why it's important to testing
- Complete explanation of DI concepts
- What problems DI solves
- Coverage of various DI containers
- Writing unit tests with mocking

■ VSW04 The Busy Developers Guide to Virtualization with Hyper-V – Introductory / Intermediate

Brian Randell

Wednesday, November 19, 9:15 – 10:30am

Virtualization means a better life for developers. This session answers questions regarding which hardware to buy and why you really want an SSD - including options for desktop and servers in the virtualization stack. Learn how much memory to allocate, how to configure your virtual machine's virtual hard drives, what OS to use, how to effectively use snapshots, and how boot to VHD fits into the picture. See how, with just a little bit of code, you can automate the mundane. And, see how easy it is to integrate your F5 experience with virtualization. This session condenses reams of documentation, blog posts, and incantations into a set of easy to follow rules to get the most out of virtualization. This session is focused on using Hyper-V in Windows 8.1 but much will apply to other virtualization stacks.

■ VSW08 Build It and Ship It with TFS and Release Management – Intermediate

Brian Randell

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

In this session, Brian will dig into the latest version of Team Foundation Server (TFS) available. He'll show how TFS can be the hub for your team's Application Lifecycle Management including version control, work tracking, test, and builds. Then look how you can get applications out the door more effectively using Release Management. Brian will take you on a journey to create a clean automated pipeline so you can take your hands off deployment and sleep better at night.

■ VSW12 Readable Code – Intermediate

John Papa

Wednesday, November 19, 1:45 – 3:00pm

Is your code readable? There are some simple techniques you can use to create more readable code that can improve your efficiency and make it easier for your code to be supported across teams. Clean Code is popular and Readable Code takes a look at these concepts in a different light and gives you actionable items to improve your code today. Learn how to make Readable Code by using some of the techniques such as separation of concerns, above the fold, the LIFT principles, commenting, encapsulation, and many more!

You will learn:

- How to improve code maintainability
- How to spend less time searching for code
- How to spend less time explaining, fixing, or trying to understand code

■ VSW16 Visual Studio Online: An Update Every Three Weeks – Introductory / Intermediate

Brian Randell

Wednesday, November 19, 4:00 – 5:15pm

Something crazy happened at Microsoft. They changed their spots. About every three weeks for the last few years, they've been rapidly iterating on TFS in the cloud. Which means, when you show up to this session, Brian's not exactly sure what he'll show you because there's guaranteed to be something new. That said, if you're looking for a no-hassle way to manage your development team's assets using centralized version control or Git. If you want to track your work on projects big or small. If you want have elastic build servers on demand and even monitor your apps for availability and see what features your users truly use, then Visual Studio Online might just be for you whether you build Windows apps, OS/X apps, mobile apps on iOS or Android or yes, even Linux, you'll have something to see.

■ VSH04 Managing the .NET Compiler – Intermediate

Jason Bock

Thursday, November 20, 8:00 – 9:15am

With Project Roslyn, Microsoft has finally let .NET developers get access to their long-awaited compiler APIs. The potential impact of having a compiler API available for all developers is immense. In this session, you'll get a tour of the elements behind this new API, such as syntax trees and parsers, and how you can use them in code analysis and metaprogramming techniques.

You will learn:

- Get a thorough walkthrough of the Roslyn APIs
- How using these new compiler APIs can open up new opportunities for developers to improve their code
- How compilers work at a basic level and what Roslyn brings to table to make that usage easier

Session Descriptions by Track, continued

■ VSH08 Writing Asynchronous Code using .NET 4.5 and C# 5.0 – Intermediate

Brian Peek

Thursday, November 20, 9:30 – 10:45am

A variety of new features were added to the .NET 4.5 Framework, including support for easily writing asynchronous code. This session will introduce the concepts of asynchronous programming, .NET Tasks, how to ensure your UI remains responsive, and how to do all of this properly in your own applications using the new “async” and “await” keywords. If you’re looking for ways to provide a better, smoother experience for your users, don’t miss this session!

You will learn:

- About the pros/cons of asynchronous code
- How to write and use asynchronous code in .NET 4.5
- How to maintain a constantly available and responsive user interface

■ VSH12 Asynchronous Debugging in .NET – Intermediate

Jason Bock

Thursday, November 20, 11:00am – 12:15pm

Writing programs with asynchronous code has become easier with recent changes in .NET, such as the async and await keywords in C# and VB. However, they do not eliminate issues that arise with asynchronous programming. Debugging asynchronous code can also be a difficult endeavor. In this session, you’ll see how you can use tools in Visual Studio 2013 that help you find issues in your async code.

You will learn:

- Understand the difficulties that can occur with asynchronous code
- Gain insight into asynchronous code to eliminate common bugs
- See how tools in VS 2013 assist you in finding code issues

■ VSH16 Rock Your Code Using Code Contracts – Intermediate/Advanced

David McCarter

Thursday, November 20, 1:30 – 2:45pm

This session will introduce developers to the new powerful new feature that is part of the .NET 4.5 framework called Code Contracts. Code Contracts brings the advantages of design-by-contract programming to .NET programming. Contracts are used to improve testing via runtime checking, enable static contract verification, and documentation generation.

You will learn to write and design bullet-proof types in .NET, an important part of coding standards and agile.

■ VSH20 Rock Your Code with Visual Studio Add-ins – Intermediate

David McCarter

Thursday, November 20, 3:00 – 4:15pm

This session will focus on my must have Visual Studio add-ins and other tools that makes programming faster and easier (and makes you look like a rock star programmer). All the tools that are either free or very affordable. Tool categories include Writing Better Code (easier, faster and correct the first time!), Code Helpers, Documentation (helper and creation), General Utilities and more. These tools are designed to impress your boss and get you home at a reasonable time. Packed full of demonstrations and very few PowerPoint slides!

You will learn:

- How to use Visual Studio to write better code
- How to self-document code
- How to find tools which are mostly free

WINDOWS CLIENT

With last year’s release of Windows 8.1, adoption of the Windows Runtime (WinRT) is underway. Are you ready to build apps for this new platform? Modern Windows Store apps take advantage of key WinRT features such as Live Tiles, the Charms bar, and push notifications. They are almost certainly integrated with cloud and social services, providing users with experiences that were previously prohibitively difficult to implement. Perhaps more important, these apps run on tablets, ultrabooks, laptops, and desktops so they are available to users almost everywhere. Apps for WinRT can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live! Orlando, you’ll learn to build modern Windows Store apps, and understand the finer points of WinRT and related cloud services. This track includes coverage of the following:

- WPF development
- Windows Store Development
- XAML for non-XAML developers

■ VST15 What’s New in WPF 4.5 – Introductory / Intermediate

Walt Ritscher

Tuesday, November 18, 4:15 – 5:30pm

WPF is the go-to UI tool for building stunning, interactive Windows desktop application. Sure, HTML5 and Windows Store Apps (aka Metro) get most of the publicity nowadays, but corporate developers across the world are quietly building impressive LOB apps with WPF.

Microsoft implemented a lot of new features in WPF 4.5. Join me for an information packed session showcasing these improved features.

You will learn:

- The new binding improvements and Live Shaping of list data

Session Descriptions by Track, continued

- How to use the new Async APIs and learn the threading improvements
- How to use Live Shaping on list data

■ VSH06 Building Rich Data Input Windows 8 Applications – Intermediate

Brian Noyes

Thursday, November 20, 9:30 – 10:45am

A lot of Windows Store Apps you see are all about content consumption. Whether you are building a business application or just one that requires some configuration settings and occasional user input, learning what you need to do to collect input from the user, validate that input, store it locally, and call services to persist on the back end is a set of skills you will really need to master.

In this session, you will learn exactly that. You'll learn about some of the data input controls provided by the WinRT platform and how to hook them up to client side logic through data binding. You'll learn how to manage the transient state of that input across the suspend/terminate/resume lifecycle of Windows Store apps. You'll learn how to use Web APIs to make service calls to get that data persisted on the back end. You'll even see how you can have server business or validation logic send the right information back to provide client side validation indications to the user.

You will learn:

- About the data input controls of the WinRT platform and how to use them with data binding
- How to manage the transient data input of a user across the application lifecycle
- How to validate input and persist it through Web APIs

■ VSH10 XAML Antipatterns – Intermediate

Ben Dewey

Thursday, November 20, 11:00am – 12:15pm

XAML is a powerful markup for creating extremely rich application designs. With power comes great responsibility and structuring an XAML based application can be challenging. In this session, Ben Dewey will help navigate the myriad of options available when laying out the design of an application. He will focus on tips and tricks to follow and pitfalls to avoid. This session will focus on WPF, but the XAML techniques can be applied to all XAML based applications such as Silverlight, Windows Phone, and Windows Store based XAML applications.

You will learn:

- Tips for maintaining clean XAML
- Layout tips for responsive XAML based Applications
- About creating modular code with Custom Controls and User Controls



■ VSH14 Building Maintainable and Extensible MVVM WPF Apps with Prism 5 – Intermediate / Advanced

Brian Noyes

Thursday, November 20, 1:30 – 2:45pm

Prism 5 is a new release of the popular Prism toolkit that has been guiding tens of thousands of developers on how to build well-architected desktop applications for over 6 years now. Prism 5 includes new functionality for building applications based on the Model-View-ViewModel (MVVM) pattern as well as continuing to support building modular, extensible, and testable composite desktop applications with WPF. In this session, we will review the key features of Prism and how to use them, including modularity, UI composition, navigation, and loosely-coupled events. Then, we will look at how to implement the MVVM pattern with the new features of Prism 5.

You will learn:

- New features in Prism 5 and how to use them
- How to use modularity and regions in Prism to build composite loosely-couple applications
- How to communicate between the loosely coupled parts of your application

“I was never bored with the speakers. They were engaging and informative”

– Steve McAllister, Bank-A-Count Corp.

Session Descriptions by Track, continued

■ VSH18 XAML for the WinForms Developer – Introductory / Intermediate

Philip Japikse

Thursday, November 20, 3:00 – 4:15pm

Winforms has a canvas. Drag a control onto the canvas, and viola, you're done, right? What about different resolution monitors for your users? What about localization? WPF and Windows 8.1 apps (with XAML) have a completely different layout model. Sure, there's a canvas, but it's for special cases (like ink capture). XAML is a flexible flow layout model. And it's a bit like chess. Sure, the basics are fairly simple to grasp, but what about the finer details?

In this session, Philip will take you through what you need to know about layouts, sizing, and the flexible flow layouts to make the UI that you are looking for in WPF or Windows 8.1.

You will learn:

- Design principles for XAML based apps
- Layouts and layout containers in XAML
- Styles and triggers in XAML

■ VSF02 Workshop: Build a Windows 8.1 Application in a Day – Intermediate

Philip Japikse

Friday, November 21, 8:00am – 5:00pm

In this hands-on workshop, you will not only learn what you need to know to create a working application, but you will actually build an application before you leave! You pick either XAML or JavaScript/HTML, bring a Windows 8.1 device (or VM) and any version of Visual Studio 2013, and you will be writing code almost from the very start!

If you don't have a Windows 8 machine or just want to listen to lecture, I will be developing the applications live on stage during the lab time, so you can choose to develop the applications hands on or watch the application get developed in front of your very eyes.

You will learn:

- Design guidelines for Windows 8.1 apps
- Handling changing layouts in Windows 8.1
- Lifecycle management
- Notifications (tiles and toast)
- Charms (search, sent to/from, and settings)
- User data and file access

WINDOWS PHONE

Windows Phone now has more than 150,000 apps in its marketplace. Microsoft's acquisition of Nokia's Windows Phone business demonstrates Redmond's commitment to the platform. This track includes coverage of:

- Microsoft App Studio
- Building games for Windows and Windows Phone

■ VSH03 Games Development with Unity and Other Frameworks for Windows and Windows Phone – Introductory / Intermediate

Brian Peek

Thursday, November 20, 8:00 – 9:15am

There are a variety of platforms and frameworks which can be used to build games on both Windows and Windows Phone depending on the complexity of the game and the developer's skill level. In this session, we will delve into the many options available to developers, including DirectX, Unity, MonoGame, and more!

You will learn:

- Overview of game development on Windows and Windows Phone
- Examples using a variety of game frameworks and platforms
- Game development strategies and tips

■ VSH07 Build Your First Mobile App in 1 Hour with Microsoft App Studio – Introductory / Intermediate

Nick Landry

Thursday, November 20, 9:30 – 10:45am

Microsoft App Studio is an innovative new tool to design and build a starter app for Windows Phone and Windows Store without writing any code. Whether you're a mobile development neophyte or a savvy developer filled with great ideas but not enough time to prototype them, App Studio can help you get started by building the core of your application using multiple page templates and data sources, such as RSS feeds, YouTube videos, Flickr photos, HTML content, custom collections and more.

In this session, we'll build a live & working mobile app for both Windows Phone and Windows Store on the fly, exploring the various options of App Studio. We'll then generate the source code and dive into Visual Studio to understand the various parts produced by App Studio and how to extend them. We'll discuss how to add custom features to the starter app, turning our prototype into a real-world app, such as advertising, in-app purchasing and such. Lastly we'll go over what's involved to get the app published, how the submission process works, and where to take your app from there. If you still haven't published any mobile apps, it doesn't get any easier than with App Studio. Come learn how to get from "Idea" to "Publish" in just a few hours.

You will learn:

- How to build a starter mobile app for Windows Phone and Windows Store using Microsoft App Studio
- The basics of the Windows Phone and Windows SDKs, how to get started in mobile development and the available tools, including the emulators
- How to extend your starter Windows Phone and Windows apps from App Studio by diving into the generated source code in Visual Studio

Agenda At-A-Glance | (Sunday, Monday & Tuesday)

Developing Apps and Solutions for SharePoint	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	SharePoint, Office 365 and the Cloud
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START TIME	END TIME	SUNDAY November 16, 2014: SharePoint Live! Pre-Conference			
04:00 PM	09:00 PM	Pre-Conference Registration - Royal Pacific Resort Conference Center			
06:00 PM	09:00 PM	Dine-A-Round Dinner @ Universal CityWalk			
START TIME	END TIME	MONDAY, November 17, 2014: SharePoint Live! Pre-Conference Workshops			
8:00 AM	05:00 PM	SPM01 - Workshop: Modern Office 365, SharePoint & Cloud Development Ramp-Up - Andrew Connell	SPM02 - Workshop: Getting Up and Running with Office 365 - Dan Usher		
05:00 PM	06:00 PM	EXPO Preview			
06:00 PM	07:00 PM	Live! 360 Keynote: To Be Announced			
START TIME	END TIME	TUESDAY, November 18, 2014: SharePoint Live! Day 1			
8:00 AM	9:00 AM	SharePoint Live! Keynote: Creating Interactive Experiences for Internal and External Users in Office 365 - Sonya Koptjev, Senior Product Manager, SharePoint and Office, Microsoft			
9:00 AM	9:30 AM	Networking Break • Visit the EXPO			
9:30 AM	10:45 AM	SPT01 - Lean-Agile Development with SharePoint - Bill Ayers	SPT02 - What's New for IT Pro's in SharePoint 2013 - Brian Alderman	SPT03 - Getting Started with Cross Site Publishing in SharePoint 2013 - Prashant Bhojar	
11:00 AM	12:15 PM	SPT04 - How to Improve the SharePoint UI Using Bootstrap 3 - Ryan McIntyre	SPT05 - Microsoft To Be Announced	SPT06 - To Be Announced	
12:15 PM	2:00 PM	Lunch • Visit the EXPO			
2:00 PM	3:15 PM	SPT07 - Building SharePoint Single Page Apps with AngularJS - Andrew Connell	SPT08 - Getting Started with Office 365 - Identity, Provisioning and Basics of Tenant Administration - Dan Usher	SPT09 - Learn About the Top 5 Advanced Search Features You Never Knew You Needed - Paul Olenick	
3:15 PM	4:15 PM	Networking Break • Visit the EXPO			
4:15 PM	5:30 PM	SPT10 - SharePoint 2013 Display Templates and Query Rules - Matt McDermott	SPT11 - Office 365 Information Architecture and Governance 101 - Ben Curry	SPT12 - Getting Started with SharePoint 2013 Workflows - Prashant Bhojar	
5:30 PM	7:30 PM	Exhibitor Reception			

Speakers and sessions subject to change

Continued

Agenda At-A-Glance | (Wednesday)

Developing Apps and Solutions for SharePoint	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	SharePoint, Office 365 and the Cloud
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START TIME	END TIME	WEDNESDAY, November 19, 2014 SharePoint Live! Day 2			
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced			
9:15 AM	10:30 AM	SPW01 - Office Graph and Oslo - The Future of Discovering and Consuming Information? - Agnes Molnar	SPW02 - SharePoint Tips and Tricks - Avoiding Administrative Blunders - Dan Usher	SPW03 - Real World: Hybrid Office 365 Solution - Ben Curry	
10:30 AM	11:00 AM	Networking Break • Visit the EXPO			
11:00 AM	12:15 PM	SPW04 - To Be Announced	SPW05 - SharePoint Intranet Design - Michael Doyle	SPW06 - Roadmap for a Successful Migration to SharePoint Online - Paul Olenick	
12:15 PM	1:45 PM	Birds-of-a-Feather Lunch • Visit the EXPO			
1:45 PM	3:00 PM	SPW07 - Deploying Provider- Hosted Apps Into Production - Paul Schaefflein	SPW08 - Optimizing SQL Server 2014 for SharePoint 2013 - Brian Alderman	SPW09 - Office 365: Considerations for a Hybrid Deployment - Geoff Varosky	
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.			
4:00 PM	5:15 PM	SPW10 - Test-driven Development with SharePoint 2013 - Bill Ayers	SPW11 - Bringing the Users With You - SharePoint 2013 Adoption and Engagement - Robert Bogue	SPW12 - SharePoint and the Mystical OneDrive for Business - Dan Usher	
8:00 PM	10:00 PM	Live! 360 Evening Event			

Speakers and sessions subject to change

Continued

“SharePoint Live! was really well organized to prevent overlap in sessions on what I wanted to see! Keynote was great, too. Every session I went to was really well done!”

– David Ruth, Astadia

Agenda At-A-Glance | (Thursday & Friday)

Developing Apps and Solutions for SharePoint	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	SharePoint, Office 365 and the Cloud
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START TIME	END TIME	THURSDAY, November 20, 2014 SharePoint Live! Day 3			
8:00 AM	9:15 AM	SPH01- How to Develop and Debug Client-Side Code - <i>Mark Rackley</i>	SPH02 - Managing SharePoint 2013 with System Center Operations Manager (SCOM) 2012 R2 - <i>Jason Kaczor</i>	SPH03 - Getting a Grip on SharePoint Social - <i>Michael Doyle</i>	
9:30 AM	10:45 AM	SPH04 - Deep Dive into Office 365 APIs - <i>Jeremy Thake</i>	SPH05 - No Governance As Usual - <i>Robert Bogue</i>	SPH06 - Is "Enterprise Search" Dead??? - <i>Agnes Molnar</i>	
11:00 AM	12:15 PM	SPH07 - Lazy Client-side Dev: Let the 3rd-party Libraries Do the Heavy Lifting - <i>Mark Rackley</i>	SPH08 - Automating your Enterprise Application Deployments with PowerShell - <i>Geoff Varosky</i>	SPH09 - Implementing ECM Solutions with SharePoint 2013 - <i>Robert Bogue</i>	
12:15 PM	1:30 PM	Lunch on the Lanai			
1:30 PM	2:45 PM	SPH10 - BreezeJS Makes Client-Side SharePoint 2013 REST Development a... BREEZE! - <i>Andrew Connell</i>	SPH11 - 10 Misconceptions of Information Architecture You Should Forget - <i>Agnes Molnar</i>	SPH12 - Developers Approach to Search Applications - <i>Matt McDermott</i>	
3:00 PM	4:15 PM	SPH13 - SharePoint Design Manager – Step by Step - <i>Paul Schaefflein</i>	SPH14 - SharePoint Forensics for IT Professionals - <i>Jason Kaczor</i>	SPH15 - Introducing Office Web Apps as a Tool for Developing Content Rich Applications - <i>Ryan McIntyre</i>	
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up <i>Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka</i>			
START TIME	END TIME	FRIDAY, November 21, 2014 SharePoint Live! Post-Conference Workshops			
8:00 AM	5:00 PM	SPF01 - Workshop: Apps for SharePoint - The Next Level - <i>Paul Schaefflein</i>	SPF02 - Workshop: Implementing Search Based Intranet in SharePoint 2013 and Office 365 - <i>Agnes Molnar</i>		

Speakers and sessions subject to change

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.

■ SPW11 Bringing the Users with You - SharePoint 2013 Adoption and Engagement -Intermediate / Advanced

Robert Bogue

Wednesday, November 19, 4:00 pm – 5:15 pm

User adoption has always been a challenge with SharePoint. Some users and some departments see the value and jump onboard while other groups seem to ignore the power of the platform and blindly carry on business as usual without it. In this session, you'll learn how to get all of your users to understand the value and how to create a "home team" advantage when selling the upgrade to your organization. We'll explain what makes users hesitant and what you can do to help move them along.

You will learn:

- Why engagement is a leading indicator of long-term success
- Eliminate barriers to SharePoint adoption
- Discover how to drive users to SharePoint

■ SPH05 No Governance as Usual

- Intermediate

Robert Bogue

Thursday, November 20, 9:30 am – 10:45 am

Governance is a struggle that many organizations face. Getting the business to take ownership for the governance, figuring out what part of the governance is most needed, and figuring out how to get buy-in are all common problems. In this session, you'll get practical advice for moving your governance forward - even without 100% buy-in. Join us for a session about what you CAN do with governance (instead of what you can't).

You will learn:

- What governance really is and what it isn't
- Explore techniques to discern what the organization really wants
- Develop skills to drive support for the governance project in your organization

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, these myriad moving parts challenge even the most intrepid IT pros. These technologies become even more complex when you add public and hybrid cloud scenarios, including Office 365 and Windows Azure IaaS. Sessions in this track are geared primarily to IT pros and DBAs. First-class speakers will guide you through the nuances of SharePoint infrastructure management and administration, in Office 365 and "on-prem", and will equip you to deploy and support SharePoint 2013 effectively, with both GUI and PowerShell methodologies.

■ SPT02 What's New for IT Pro's in SharePoint 2013 - Introductory

Brian Alderman

Tuesday, November 18, 9:30 am – 10:45 am

SharePoint Server 2013 can help you achieve new levels of reliability and performance, delivering features and capabilities that simplify administration, protect communications and information, and empower users while meeting their demands for greater business mobility. In this session, you will learn more about what's new for IT Professionals in SharePoint Server 2013 and how its features and capabilities can help simplify administration, protect communications and information, and empower users.

You will learn:

- What functionality SharePoint 2013 provides
- Key component categories of SharePoint 2013
- New functionality included in SharePoint 2013 and why it's important in your SharePoint environment

■ SPW02 SharePoint Tips and Tricks - Avoiding Administrative Blunders - Introductory / Intermediate

Dan Usher

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

Have you ever inherited a SharePoint site? Are you the new "content administrator?" Do you suddenly find yourself in charge of managing the permissions for your department? Did you happen to volunteer to manage the SharePoint site for that new project without knowing just what you were getting into? Come to this highly interactive session where you'll be shown all the things that can go wrong with your newly inherited SharePoint installation from the common mistakes your users will make to the not so common mistakes. And as a bonus, if you're considering transitioning to the cloud we'll discuss some of the heartache that you might go through as you provision your new SharePoint Online instance and begin working your migration plan.

You will learn:

Session Descriptions by Track, continued

- Proper planning required for SharePoint environments
- Understand the importance of proper configuration of SharePoint platforms
- Understand that what makes sense in the cloud, may not make sense on-premise and vice versa

■ SPW05 SharePoint Intranet Design

– *Intermediate*

Michael Doyle

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

This session will cover how to create and/or improve your existing intranet design. We will highlight several examples from both government and private organizations. The focus will be on usability and findability. The intranet is a great tool for organizations to deliver content to their end users and enable them to do their job instead of spending time looking for information. We will cover best practices, tricks and tips and branding.

You will learn:

- How to keep your intranet content fresh and relevant
- How to improve your navigation
- How to brand your intranet without spending too much money

■ SPW08 Optimizing SQL Server 2014 for SharePoint 2013 – *Intermediate*

Brian Alderman

Wednesday, November 19, 1:45 pm – 3:00 pm

Knowing the vast majority of the content accessed via SharePoint is stored in SQL Server, and also knowing an incorrect configuration of SQL Server can have a detrimental impact on the performance of SharePoint is important to understand the integration of these two products. Regardless of whether you have a dedicated DBA, or the SharePoint administrator is also the DBA, there are critical SQL Server configurations that can be made that will improve the performance of 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 SQL Server settings negatively impact SharePoint and what changes can be made to improve the performance of SharePoint. These changes include database file settings and SQL Server instance 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.

You will learn:

- Understand Integration of SharePoint with SQL Server
- Optimize SQL Server instance hosting SharePoint 2013 content
- Implement Best Practices of SQL Server and SharePoint Integration

■ SPH02 Managing SharePoint 2013 with System Center Operations Manager (SCOM) 2012 R2 – *Introductory / Intermediate*

Jason Kaczor

Thursday, November 20, 8:00 am – 9:15 am

Helping to ensure that your SharePoint farm infrastructure is running smoothly is one of the most critical areas that every SharePoint Administrator must be concerned with. In this session, you will learn how Microsoft System Center can be configured to assist you in helping to keep your SharePoint-based infrastructure running well. You will find out how to tune alerts according to configuration and internal governance policies, help to increase overall service levels, as well as proactively manage incidents using the family of System Center products.

You will learn:

- What is required for SharePoint operational monitoring

“Smaller sessions mean more direct contact with speakers. Had a great time! Thanks for supporting the SharePoint Community!”

– *Paul Choquette, Code A Site, LLC*

- Capabilities SharePoint provides out-of-the-box for management and monitoring
- How the introduction and addition of System Center Operations Manager

■ SPH08 Automating your Enterprise Application Deployments with PowerShell – *Intermediate / Advanced*

Geoff Varosky

Thursday, November 20, 11:00 am – 12:15 pm

In enterprise application deployments to SharePoint, there are generally farms, or web applications that host specific applications for specific groups, rather than having just an all-in-one deployment. Often times, you do not have access to these other environments, and will need to pass the deployment baton off to the system administrators of those farms.

This session will walk you through how you can deploy your applications, without needing to have the administrator who will be deploying the application, have to do much more than type a few keys into the SharePoint Administration Console and press enter - and having full configuration and deployment of your custom SharePoint applications to other environments.

You will learn:

- How to utilize automation via PowerShell scripting to deploy SharePoint and applications for SharePoint

Session Descriptions by Track, continued

- Maintain a consistent deployment strategy for all applications
- How this can make for a more stable platform

■ SPH11 10 Misconceptions of Information Architecture You Should Forget – *Introductory / Intermediate*

Agnes Molnar

Thursday, November 20, 1:30 pm – 2:45 pm

Do you think Search is easy? Or maybe you think it's too complicated? Do you think it's enough to create your Search Center and that's it? Do you consider Search as a one-time project? Maybe you think Search is simply bad and useless? It isn't worth your time?

Maybe you think, even this session is a waste of time? If you answered YES! to any of these questions - this session is for you!"

You will learn:

- The value and complexity of Search
- "Gardening" Search
- Why you shouldn't blame Search

■ SPH14 SharePoint Forensics for IT Professionals – *Intermediate / Advanced*

Jason Kaczor

Thursday, November 20, 3:00 pm – 4:15 pm

Are you fully aware what your developers & or business users are putting into your SharePoint farm? Do you investigate, validate & test custom & 3rd-party components/solutions prior to deployment? ... Have you ever deployed a component/solution only to subsequently have performance or problems within your SharePoint infrastructure?

This session will show you how to dive-deep into components/solutions and evaluate them. Techniques and tools will be introduced to help you evaluate and report on potential issues and perform a general "quality-sniff-check."

You will learn:

- Why investigating and evaluating custom/3rd-party application solutions is critical to a health operational environment.
- How to investigate and evaluate custom/3rd-party application solutions
- Which techniques should be used when

HIGH-VALUE SHAREPOINT WORKLOADS: SOCIAL, SEARCH, BI, AND BUSINESS PROCESS AUTOMATION

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 2013 and Office 365.

■ SPT09 Learn About the Top 5 Advanced Search Features You Never Knew You Needed – *Intermediate / Advanced*

Paul Olenick

Tuesday, November 18, 2:00 pm – 3:15 pm

The SharePoint 2013 search offering includes an incredibly powerful tool set, much of which is configurable by power users. But what about when solution requirements demand more than what is available to the power user?

In this session, Paul Olenick (SharePoint MVP and Microsoft V-TSP) will provide a tour of some of the more advanced search features including rank profile tuning, user segmentation, content enrichment, custom connectors and more.

Attendees will see practical examples and uses for these features and get an understanding of the effort involved and resources required for utilizing them. Don't miss this opportunity to learn more about what SharePoint 2013 has to offer!

You will learn:

- Advanced features available in SharePoint 2013
- Effort involved with, and types of resources required when utilizing the features discussed
- See example use cases and solutions utilizing the advanced search features

■ SPT12 Getting Started with SharePoint 2013 Workflows – *Introductory / Intermediate*

Prashant Bhojar

Tuesday, November 18, 4:15 pm – 5:30 pm

You may have heard the buzz around Architectural and functional level changes in "SharePoint 2013 Workflows." It is a broad topic and sometimes developers can be left wondering which approach to use. Between OOTB, SharePoint Designer, Visual Studio and 3rd party products, the choices can be overwhelming.

In this demo driven session, we will cover architectural changes and important features of the different types of Workflows and their limitations in SharePoint 2013.

Prerequisite: Familiar with SharePoint, SharePoint Designer, C# and Object Oriented Concepts.

You will learn:

- Architecture of SharePoint 2013 Workflows
- Architecture Decisions for building SharePoint 2013 Workflows
- Limitations of Workflows

Session Descriptions by Track, *continued*

■ SPW01 Office Graph and Oslo – The Future of Discovering and Consuming Information – *Introductory / Intermediate*

Agnes Molnar

Wednesday, November 19, 9:15 am – 10:30 am

At SPC14, Microsoft made some major announcements - one of the most revolutionary was definitely Office Graph, and the related application, Oslo. If I wanted to oversimplify it, I would say Oslo is like a "Flipboard for business". A Search-Driven Application that aggregates content from various locations in various views. It's based on Office Graph that intends to help finding the right information in the right context. Office Graph combines people, content and the ecosystem, based on the "signals" it collects.

Although these tools are supposed to be released to the public in the second half of 2014, it's already time to get prepared! In this session, I'm going to overview and explain all information that is publicly available, as well as discuss how these tools work and why they are so revolutionary.

You will learn:

- What Office Graph is, how it works and its benefits
- What CodeName "Oslo" is and how it uses Office Graph
- Other applications of Office Graph (and other Graph solutions)

■ SPH03 Getting a Grip on SharePoint Social – *Intermediate*

Michael Doyle

Thursday, November 20, 8:00 am – 9:15 am

The social components in SharePoint are pervasive. It can be quite a challenge to fully understand how all the pieces fit together. This session will help you demystify the various components such as OneDrive, Newsfeed, My Sites, Profiles, Following and the list just keeps growing. We will also spend some time on the difficulties in trying to brand the social components to fit your organization's needs. Finally,

we will take a look at getting social components to work across multiple farms that potentially span the globe.

You will learn:

- Understanding of the various social components
- How to customize the various social components
- How to make social work across multiple SharePoint farms

■ SPH06 Is "Enterprise Search" Dead?? – *Introductory / Intermediate*

Agnes Molnar

Thursday, November 20, 9:30 am – 10:45 am

As an "Enterprise Search" expert, I've been faced with a lot of companies' findability challenges. Based on my experience, pure "Enterprise Search" projects are very rare. Companies need to solve business problems. They have business process or information discovery pain points. They need business solutions and applications that help.

Do these applications use a search engine to collect and aggregate information? They don't care. The experience of "10 blue links" is old, outdated.

In this thought-provoking session, I'm going to highlight why Search is much more than a technology and how it can help with real-world business solutions. I'm also going to demonstrate what the future of findability and content discovery will look like. Moreover, I'm going to do this without using the expression "Enterprise Search" in my presentation.

You will learn:

- 10 Reasons why "Enterprise Search" is outdated
- Business Cases for Findability, Information Aggregation and Discovery
- The Future of Findability

■ SPF02 Workshop: Implementing Search Based Intranet in SharePoint 2013 and Office 365 – *Intermediate*

Agnes Molnar

Friday, November 21, 8:00 am – 5:00 pm

Search-Based Applications, or SBAs, are applications that are built using the power of enterprise-class search engines like the fully integrated FAST in SharePoint 2013. You don't need a database to power these apps; the power of search feeds the app - from any content source you have!

Search is not just about retrieving links to information. It can also retrieve data. The enhanced Search in SharePoint 2013 has the capabilities of crawling both structured and unstructured data sources. It can extract entities like names of vendors and geographic locations. It can build semantic clusters of information. All this can be presented using dashboards and faceted navigation interfaces.

Benefits of SBAs:

- SBAs use the already existing functionality and power of enterprise search. You don't need to custom program to get this power.
 - SBAs use the messy, soiled information the way it is. You don't need to create and migrate information into databases.
 - SBAs are quick to adapt to changing requirements. You don't need to spend months, making small changes.
 - Most importantly, SBAs leverage your investment in SharePoint.
- #### **You will learn:**
- A solid understanding of SBAs and how they work
 - How to make a case for using SBAs
 - A roadmap for building and planning SBAs
 - Resources and infrastructure needed to implement SBAs

Session Descriptions by Track, *continued*

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.

■ SPT03 Getting Started with Cross Site Publishing in SharePoint 2013 – Introductory

Prashant Bhojar

Tuesday, November 18, 9:30 am – 10:45 am

Cross site publishing lets users store contents in one or more authoring site collection and the content can be displayed and serviced in different target site collections. In this demo driven session, we will cover how power users can use Cross Site Publishing to share contents. This session will also cover tips and tricks of Using Cross Site Publishing.

Prerequisite: Familiar with SharePoint List, Libraries, Site Collections.

You will learn:

- SharePoint 2013 Development Overview
- SharePoint 2013 development environment options
- Architecture Decisions for building SharePoint 2013 Development Environment

■ SPH09 Implementing ECM Solutions with SharePoint 2013 – Intermediate

Robert Bogue

Thursday, November 20, 11:00 am – 12:15 pm

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'll learn how to leverage Content by Search to improve the ability to locate content in SharePoint as well as how to leverage enhancements in document sets to build richer ECM scenario solutions.

You will learn:

- Gain a thorough understanding of the key changes in Records Management capabilities
- Explore key usability improvements
- How to soup up your search using new search feature



DEVELOPING APPS AND SOLUTIONS FOR SHAREPOINT

This track is "for developers only," with sessions that focus on tools and methodologies for development in SharePoint 2013 and Office 365. Expert speakers will guide an exploration of patterns and practices, highlighting the capabilities of various development tools and addressing important considerations including application lifecycle management and the future of the cloud app model versus full-trust solutions. In addition, developers will find high-value sessions throughout the tracks of SharePoint Live! 360, where solution-specific development sessions are listed.

■ SPM01 Workshop: Modern Office 365, SharePoint & Cloud Development Ramp-Up – Introductory / Intermediate

Andrew Connell

Monday, November 17, 8:00 am – 5:00 pm

Are you interested in becoming a SharePoint developer but you don't know where to start? In this workshop, I'll get you up to speed. You might have heard the terms full-trust solutions, sandbox solutions, SharePoint apps, server-side code, client side object model (CSOM), cloud app model (CAM), REST API... what does it all mean? When should you use one over the other? Have no fear! The current release of SharePoint (SharePoint 2013) and Office 365 embrace the client-over-HTTP model of development which makes the lives of developers much easier. In this workshop, for those new to SharePoint development, we'll start out with some background to get you up to speed quickly. Then we'll look at the landscape of the development world for Office 365, SharePoint & the cloud. It doesn't matter if your SharePoint environment is on-premises, hybrid or hosted in the cloud with Office 365. When you walk out of this workshop, you'll be armed with the knowledge to create custom solutions

Session Descriptions by Track, continued

for your business problems using the best tools, techniques and libraries at your disposal for modern day development. Furthermore, during this workshop I will also highlight specific sessions at the rest of the conference where you can dive deeper and learn more about specific topics we touch on during the workshop.

You will learn:

- Get a clear understanding of developing for SharePoint on-premises and in Office 365
- Understand server-side & client-side code options
- Understand how & when to work with the different SharePoint APIs

■ SPT01 Lean-Agile Development with SharePoint – Introductory / Intermediate Bill Ayres

Tuesday, November 18, 9:30 am – 10:45 am

SharePoint gives us a great platform for developing sophisticated intranet portals, collaboration sites, and many other workloads. But it can also be a challenge to use modern software development frameworks like Scrum and XP. Wouldn't it be great if we could get all the benefits of Agile practices - faster development, predictable deliveries, better quality, less stress and happy stakeholders?

In this session, we will cover the definitions of Lean, Agile, Scrum, Kanban, XP, and TDD. Then we will look at the specific challenges around Agile SharePoint development and some development techniques to overcome these obstacles. This talk covers both project delivery and engineering. We'll look at unit tests, integration tests, UI tests, continuous integration and, of course, test-driven development (TDD) with practical experiences from real-life Agile SharePoint projects.

You will learn:

- The terminology and true meaning of Lean and Agile software delivery frameworks and practices, and how this affects SharePoint development

- How to use Lean and Agile in SharePoint development projects and web-based solutions on the Microsoft platform
- Understand Agile practices like TDD, ATDD and CI

■ SPT04 How to Improve the SharePoint UI Using Bootstrap 3 – Introductory / Intermediate Ryan McIntyre

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

Bootstrap has become the go-to standard for web developers looking for a simple and powerful framework to use when building websites. It provides many capabilities and features that not only simplify markup, leading to increased productivity and easier maintenance, but can also enhance the website by enabling the developer with a simple way to add complex capabilities that they may not have even known was possible.

Why aren't we using it in SharePoint development? There's no reason we can't! This session will provide seasoned SharePoint developers and designers with an introduction to Bootstrap 3 so we can review the components in the framework and learn how to incorporate Bootstrap into our solutions. Which components should we be leveraging? Which components should we be avoiding? How do we utilize Bootstrap to increase our mobile and responsive experiences?

To answer these questions, you will be introduced to Bootstrap and we will review its' capabilities. We then compare to existing SharePoint features so we can make proper decisions on when and when not to use Bootstrap. Leveraging this foundation, the session will move into demos of building a branding solution using Bootstrap as well as show the creation of a SharePoint app which will be built using Bootstrap. Coming out of this session you will have a clear understanding of what Bootstrap 3 is, when and how to use it properly in your SharePoint solutions and apps, and a new perspective on SharePoint development!

You will learn:

- Introduction to Bootstrap
- How to leverage Bootstrap in SharePoint applications and how to get started
- See Bootstrap in action

■ SPT07 Building SharePoint Single Page Apps with AngularJS – Intermediate / Advanced

Andrew Connell

Tuesday, November 18, 2:00 pm – 3:15 pm

SharePoint 2013 enables developers to create two different kinds of apps: cloud apps and SharePoint-Hosted Apps. The latter type, SharePoint-Hosted Apps, mean that the majority, if not all, of the application runs within the client. In this session you'll learn how to build a SharePoint-Hosted Application using the popular presentation framework AngularJS. We will cover how to best structure your projects and leverage the SharePoint REST API & CSOM to create a great experience for your users, all without refreshing the page!

You will learn:

- How you can build SharePoint Hosted Apps as a full blown and first class experience for users with zero server side code.
- How to create enterprise class apps using JavaScript
- How to build single page apps using AngularJS

“I liked learning about current trends and new technologies. It is easy to miss this in day-day work.”

– Wyan Houghton, Lexington Medical Center

Session Descriptions by Track, continued

■ SPT10 SharePoint 2013 Display Templates and Query Rules – *Introductory / Intermediate* **Matt McDermott**

Tuesday, November 18, 4:15 pm – 5:30 pm

SharePoint 2013 introduces new techniques for presenting search results. This session teaches you two of the primary techniques that you can use with SharePoint 2013 to present search results in new powerful ways using Display Templates and Query Rules.

You will learn:

- How to improve the presentation of search results
- How to implement Query Rules to present meaningful results
- How to deploy your changes from site to site

■ SPW07 Deploying Provider-Hosted Apps into Production – *Introductory / Intermediate* **Paul Schaefflein**

Wednesday, November 19, 1:45 pm – 3:00 pm

Many articles have been published and many sample apps have been written to fully explain the SharePoint App model. But missing from all of that content is an explanation of strategies and techniques for deploying your provider-hosted app into a production environment. This session will cover this very important aspect of SharePoint App development.

You will learn:

- Production deployment tips
- App registration and certificates

■ SPW10 Test-driven Development with SharePoint 2013 – *Intermediate/ Advanced* **Bill Ayres**

Wednesday, November 19, 4:00 pm – 5:15 pm

This session follows on from my Lean-Agile SharePoint Development talk and goes much deeper into test-driven development (TDD) with practical examples that demonstrate the TDD process. In particular we'll take a deeper dive into building unit and integration tests and see how these can be used as part of the TDD cycle. We'll also look at options for code isolation to facilitate unit tests. We will also touch on the various Acceptance Test-driven Development approaches. Although SharePoint focused, this session will be relevant to anybody building solutions on the Microsoft platform.

You will learn:

- Improve your server-side SharePoint development using test-driven development
- How to use JavaScript testing frameworks to unit test client-side code as part of your TDD cycle
- Test-driven development techniques that apply to any developer building software on the Microsoft platform

■ SPH01 How to Develop and Debug Client-Side Code – *Introductory / Intermediate* **Mark Rackley**

Thursday, November 20, 8:00 am – 9:15 am

Client-side development is officially an essential skill for all SharePoint developers. However, with the lack of traditional compilers and debugging processes, many developers quickly grow frustrated and resent the client-side development experience. There is hope, though. In this class, you will learn dos and don'ts for being an effective client-side developer

You will learn:

- Simple tricks that make developing and debugging JavaScript easier
- The basics of using REST and CSOM to interaction with SharePoint Lists
- Be introduced to tools and plug-ins that can take your Client Side applications to the next level

■ SPH04 Deep Dive into Office 365 APIs – *Intermediate*

Jeremy Thake

Thursday, November 20, 9:30 am – 10:45 am

The Office 365 APIs were released in Preview at the SharePoint Conference 2014 in March. This session will be a deep dive into how these APIs can be leveraged across Mobile Device platforms and Web Application platforms including ASP.NET MVC, Windows 8, Windows Phone 8.1 and more. It will cover in detail how the Azure AD Authentication is used based on the Users consent and key scenarios to show the value of this API.

You will learn:

- Why these Office 365 APIs were built
- How to get started with Office 365 APIs
- The key APIs available in the Office 365 APIs



Session Descriptions by Track, continued

■ SPH07 Lazy Client-side Dev: Let the 3rd-party Libraries Do the Heavy Lifting – Introductory / Intermediate

Mark Rackley

Thursday, November 20, 11:00 am – 12:15 pm

One of the bright spots for Client Side Development is the large number of options of plugin libraries that can bring your Client Side Applications to the next level in SharePoint and give users the visuals and usability they crave. Critical knowledge for the modern SharePoint Developer is to know about various plugin options that are ‘SharePoint Friendly.’

You will learn:

- Several powerful Client Side Libraries that work with SharePoint (tables, graphs, forms, calendars and more!)
- Tips for choosing the write library for their needs
- To understand the options for storing data as objects in JavaScript in a manner that various libraries need

■ SPH10 BreezeJS Makes Client-Side SharePoint 2013 REST Development a... BREEZE! Intermediate / Advanced

Andrew Connell

Thursday, November 20, 1:30 pm – 2:45 pm

SharePoint 2013 gives developers two options for accessing their data remotely using either the client side object model (CSOM) or OData... also known as REST. Both provide different methods for getting data and have their own advantages as well as disadvantages. For those of us who prefer the REST option, we know there are a few challenges in that we have a lot of plumbing we need to write. In this session you’ll learn how the free and open source library Breeze turns working with the SharePoint REST API a breeze! Breeze brings validation, entity checks, batching, change tracking, and client-side caching to the client... think an ORM like Entity Framework in JavaScript! In this session you’ll learn how to set it up, how to configure it, how to

write different types of queries and then how to even use some really slick data validation capabilities in the browser!

You will learn:

- Details and nuances of working with the SharePoint REST API
- How to setup the Breeze library to work with the SharePoint 2013 REST API
- How to be more productive writing queries using Breeze and leveraging additional data validation techniques

■ SPH12 Developers Approach to Search Applications – Introductory / Intermediate

Matt McDermott

Thursday, November 20, 1:30 pm – 2:45 pm

This session looks at what developers can do with the SharePoint 2013 Search API to create custom search applications. Whether your goal is to enhance the SharePoint Search center or create custom search applications that take advantage of SharePoint’s powerful search engine, this session offers tools and techniques to help you build the solution and get the most from SharePoint Search.

You will learn:

- Understand out of the box search enhancements
- About the new 2013 Search API
- The SharePoint REST interface to Search

“Smaller sessions mean more direct contact with speakers. Had a great time! Thanks for supporting the SharePoint Community!”

– Paul Choquette, Code A Site, LLC

■ SPH13 SharePoint Design Manager – Step by Step – Introductory

Paul Schaefflein

Thursday, November 20, 3:00 pm – 4:15 pm

SharePoint 2013 includes a new feature intended to aid in the customization of the user interface of sites. The Design Manager can be quite daunting to those unfamiliar with SharePoint’s markup. This session will walk through all the capabilities of the Design Manager for publishing sites in SharePoint 2013.

You will learn:

- SharePoint Design manager
- Masterpages
- Page Layouts

■ SPF01 Workshop: Apps for SharePoint – The Next Level – Intermediate

Paul Schaefflein

Friday, November 21, 8:00 am – 5:00 pm

Apps for SharePoint is the preferred customization approach in SharePoint 2013. Getting started is well documented and has lots of samples. But what do you need to move to the next level?

This workshop will cover the concepts and requirements for apps once they move beyond the developer workstation. Topics include advanced capabilities of SharePoint, App authentication and security, strategies and techniques for production deployment and other tips and tricks to make your app successful.

You will learn:

- App security
- Production deployment strategies
- SharePoint capabilities

Session Descriptions by Track, *continued*

SHAREPOINT, OFFICE 365 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, including Windows Azure IaaS (Virtual Machines). 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 2013 can be 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. And as a business user or leader, you must guide your organization in making the right choice for each workload. Join the elite presenters for invaluable, first-hand guidance and insight.



■ SPM02 Workshop: Getting Up and Running with Office 365 – Introductory / Intermediate Dan Usher

Monday, November 17, 8:00 am – 5:00 pm

With the continued mantra of doing less with more, there's a continued march toward utilizing the cloud to make use of the economies of scale. For enterprise organizations looking to transition their SharePoint systems to Microsoft's cloud offering of SharePoint Online, there's a bit of work involved to get up and operating in the cloud around provisioning, identity, directory synchronization and transition planning. During this session we will also go into the basics of SharePoint Online tenant administration to better understand sharing capabilities inherent in the system for IT Pros to manage in a cloud platform.

During this workshop we'll be working through understanding what Office 365 provides for, how to provision an Office 365 instance, setup directory and password synchronization and finally make our way to using a federated identity to authenticate.

You will learn:

- The basics of Office 365
- How to properly select which version works for you
- How to select the proper identity to use
- How to install and configure directory synchronization and integrate federated identity

■ SPT08 Getting Started with Office 365 - Identity, Provisioning and Basics of Tenant Administration – Introductory / Intermediate Dan Usher

Tuesday, November 18, 2:00 pm – 3:15 pm

So your business is getting rid of its old e-mail provider and wants to move their local SharePoint to the cloud and they've asked you to investigate this "Office 365 thing." You're left with a few questions and quickly realize there's more to it than you anticipated. No worries mate, we've got you covered. In this session we'll run through the basics of Office 365, what it means to you from a licensing perspective, for an end user perspective, from a service description perspective and most importantly how to provision a tenant, setup user accounts and setup your DNS entries so that you can start collaborating using SharePoint.

We'll finish this session up with planning for considerations for more advanced topics around directory synchronization and federation.

You will learn:

- The core decisions when looking at Office 365 for use with businesses
- The licensing model, core capabilities of SharePoint Online capabilities with Office 365
- How identity management works with Office 365

"The fact that I could choose from Modern Apps, SharePoint, SQL Server, Visual Studio all at the same conference in the same area. Overall, this conference was awesome and a great experience. I will recommend to my management that the other developers attend over the next several years." – Daniel Jenkins, Allure Global Solutions, Inc.

Session Descriptions by Track, *continued*

■ SPT11 Office 365 Information Architecture and Governance 101 – *Introductory / Intermediate*

Ben Curry

Tuesday, November 18, 4:15 pm – 5:30 pm

The Office 365 technical architecture has forced many to change their information architecture and governance plans. This session will help you understand hybrid cloud challenges, platform gaps, and how to overcome some of the Office 365 feature limitations. You'll see examples on planning role-based authorization, distributed and tiered governance models, managing the personal cloud space, and how mobile devices will impact your design. Last, the class will end with some live demonstrations of how to implement the features and controls discussed during the session.

You will learn:

- The basic difference in governing an on-premises environment and Office 365
- Methods to re-engineer content to fit within a cloud offering such as Office 365
- How to apply real world solutions to difficult hybrid cloud challenges

■ SPW03 Real World: Hybrid Office 365 Solution – *Intermediate*

Ben Curry

Wednesday, November 19, 9:15 am – 10:30 am

In this session, you'll see a real-world example of solving problems and finding opportunities when moving part of your workload to Office 365. You'll be introduced to designing federated searching, cloud crawling, navigation synchronization, line-of-business integration, Active Directory Synchronization, social features, and Office 365 personal sites. This will be a live-demo class and you'll see an example solution end to end!

You will learn:

- How to decide which workloads belong on-premises and which belong in the cloud.
- The basics of Office 365 pre-reqs such as Directory Synchronization and ADFS.
- How to leverage navigation, search, and UPA to integrate a hybrid cloud model using Office 365 and on-premises SharePoint 2013



■ SPW06 Roadmap for a Successful Migration to SharePoint Online – *Introductory / Intermediate*

Paul Olenick

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

Many companies are considering a move to SharePoint online. For those that are, this means a migration is on the horizon. Let's face it, migrations are some of the most painful types of SharePoint projects there are. Enter in the complexity of a new paradigm (cloud) and things get even trickier.

Whether you're migrating from SharePoint on-prem or a completely different platform, some of the keys to success are to recognize potential pitfalls, understand your migration options, establish a consistent, manageable process and establish the right type of communication with the user community. It is also crucial to recognize that a migration is your opportunity to improve your SharePoint program and apply lessons learned - this concept should be built into all aspects of the migration effort.

In this session, Paul Olenick (SharePoint MVP and Microsoft V-TSP) will walk you through a proven migration roadmap. From inception, planning, design, testing, execution to final cutover (and everything in between).

When done right, migration projects can be successful, within budget all without undue impact to the business users.

You will learn:

- Key considerations, potential pitfalls, and how to choose from the common strategies and methods for migration
- Walk away with a sample roadmap for a successful migration to SharePoint Online
- How to utilize the migration as an opportunity to improve their overall SharePoint program

Session Descriptions by Track, continued

■ SPW09 Office 365: Considerations for a Hybrid Deployment

– Introductory / Intermediate

Geoff Varosky

Wednesday, November 19, 1:45 pm – 3:00 pm

While Office 365 can itself be a stand-alone deployment, there are many situations where a hybrid deployment (having both an on-premises deployment of Exchange, SharePoint, Active Directory as well as a cloud-based deployment) makes sense for organizations. These situations may include a temporary hybrid deployment for a staged migration to the cloud, or, a long-term hybrid deployment, utilizing the best of both worlds.

This session will discuss not just SharePoint, but the whole Office 365 offering, and what to take into consideration when deploying a hybrid environment - as well as walking through some of the tools and functionality involved.

You will learn:

- Overview of Office 365 Functionality
- What to consider for a hybrid deployment
- Use cases for a hybrid deployment of SharePoint and Office 365



■ SPW12 SharePoint and the Mystical OneDrive for Business

– Introductory / Intermediate

Dan Usher

Wednesday, November 19, 4:00 pm – 5:15 pm

Security, accessibility and availability are three keys to ensuring information workers success when they go mobile. In the 2013 release of SharePoint, SkyDrive Pro was bestowed upon end users, providing information workers with a new tool to better synchronize data before they hit the road. With Service Pack 1 being released, the name was changed to protect the innocent, to OneDrive for Business. Microsoft continues to press forward, providing innovative solutions to meeting the core needs of information workers.

You will learn:

- The basics of OneDrive for Business
- How it stacks up when hosted on-premise vice in the cloud as well as how it stacks up against other service providers
- Some of the benefits of using it as an integrated collaboration suite for small organizations that may not need all of the capabilities of SharePoint

“I like the size of this conference, the sessions were good, plus you get one-on-one time with speakers. The hotel was very nice and I liked the food.”

– Kevin Hoyt, Athene

■ SPH15 Introducing Office Web Apps as a Tool for Developing Content Rich Applications

– Introductory / Intermediate

Ryan McIntyre

Thursday, November 20, 3:00 pm – 4:15 pm

Office Web Apps was introduced with SharePoint 2010 as a service used to provide browser-based access to Office documents. Office Web Apps (OWA) 2013 modifies the service architecture significantly, enabling the exposure of document interactions through a browser to be customized and expanded within SharePoint as well as exposed outside of SharePoint.

With this architecture change, we need to review the capabilities from a new perspective and question how we can best leverage this service. To start, we need to understand the new architecture changes. From there, how do we manage the health of OWA and apply updates? How do we leverage OWA to build additional capabilities into our applications? How do we expand OWA capabilities? What are the differences in OWA on-prem and OWA Office 365?

In this session, we'll be answering these questions and more. We'll look at the new 2013 architecture and understand how to deploy the service on-prem and manage it properly. We will then look at how to extend the service and take advantage of the new capabilities in both our SharePoint and non-SharePoint solutions. You'll leave the session with a deeper understanding of OWA capabilities, and ready to incorporate OWA into your solution architectures!

You will learn:

- The 2013 Office Web Apps architecture
- Understand extensible options and pros and cons of each
- How to leverage Office Web Apps in SharePoint as well as non-SharePoint applications

Agenda At-A-Glance | (Sunday, Monday & Tuesday)

BI, Big Data, Data Analytics, and Data Visualization		SQL Server Administration & Maintenance		SQL Server Features & Components		SQL Server for the Developer / SQL Server 2014		SQL Server in the Cloud		SQL Server Performance Tuning and Optimization		SQL Server Tools, Tricks, and Techniques	
SUNDAY, November 16, 2014: SQL Server Live! Pre-Conference													
START TIME	END TIME												
4:00 PM	9:00 PM	Pre-Conference Registration - Royal Pacific Resort Conference Center											
6:00 PM	9:00 PM	Dine-A-Round Dinner @ Universal CityWalk											
MONDAY, November 17, 2014: SQL Server Live! Pre-Conference Workshops													
START TIME	END TIME												
8:00 AM	5:00 PM	SQM01 - Workshop: Big Data and NoSQL for Database and BI Pros - Andrew Brust						SQM02 - Workshop: Maintaining SQL Server for Non-DBAs - Don Jones					
5:00 PM	6:00 PM	EXPO Preview											
6:00 PM	7:00 PM	Live! 360 Keynote: To Be Announced											
TUESDAY, November 18, 2014: SQL Server Live! Day 1													
START TIME	END TIME												
8:00 AM	9:00 AM	SQL Server Live! Keynote: To Be Announced											
9:00 AM	9:30 AM	Networking Break • Visit the EXPO											
9:30 AM	10:45 AM	SQT01 - Best Practices for Leveraging SQL Server in Windows Azure Virtual Machines - Scott Klein				SQT02 - SQL Server Integration Services End-to-End - David Dye				SQT03 - Introduction to SQL Server Clustering - Chad Churchwell			
11:00 AM	12:15 PM	SQT04 - SQL Server 2014 In-memory OLTP Deep Dive - Scott Klein				SQT05 - Designing and Maintaining a SQL Server Replication Topology - Chad Churchwell				SQT06 - Hadoop Administration for SQL Server DBAs - Edwin Sarmiento			
12:15 PM	2:00 PM	Lunch • Visit the EXPO											
2:00 PM	3:15 PM	SQT07 - Big Data 101 with Azure HDInsight - Andrew Brust				SQT08 - Implementing Auditing in SQL Server - David Dye				SQT09 - Building Perfect SQL Servers, Every Time - Joey D'Antoni			
3:15 PM	4:15 PM	Networking Break • Visit the EXPO											
4:15 PM	5:30 PM	SQT10 - Integrating SQL Server Analysis Services with Hadoop - Edwin Sarmiento				SQT11 - Dealing with Errors in SQL Server Integration Services - David Dye				SQT12 - SQL Server High Availability and Disaster Recovery - Chad Churchwell			
5:30 PM	7:30 PM	Exhibitor Reception											

Speakers and sessions subject to change

Continued

Agenda At-A-Glance | (Wednesday, Thursday & Friday)

BI, Big Data, Data Analytics, and Data Visualization		SQL Server Administration & Maintenance		SQL Server Features & Components		SQL Server for the Developer / SQL Server 2014		SQL Server in the Cloud		SQL Server Performance Tuning and Optimization		SQL Server Tools, Tricks, and Techniques	
START TIME													
END TIME													
WEDNESDAY, November 19, 2014: SQL Server Live! Day 2													
Live! 360 Keynote: To Be Announced													
8:00 AM	9:00 AM	SQW01 - Who Moved My Tuple? Columnstore Indexes in SQL Server 2014 - <i>Joey D'Antoni</i>				SQW02 - Integrating Reporting Services with SharePoint - <i>Kevin Goff</i>				SQW03 - Everything You Never Wanted to Know about SQL Server Indexes - <i>Don Jones</i>			
9:15 AM	10:30 AM	Networking Break • Visit the EXPO											
10:30 AM	11:00 AM	Networking Break • Visit the EXPO											
11:00 AM	12:15 PM	SQW04 - Getting Started with MDX - <i>William E. Pearson III</i>				SQW05 - To Be Announced				SQW06 - Virtualizing SQL Server in VMware, Hyper-V, or Xen: Yes or No? - <i>Don Jones</i>			
11:00 AM	12:15 PM	Birds-of-a-Feather Lunch • Visit the EXPO											
12:15 PM	1:45 PM	Birds-of-a-Feather Lunch • Visit the EXPO											
1:45 PM	3:00 PM	SQW07 - Getting Started with Analysis Services 2014 Tabular - <i>William E. Pearson III</i>				SQW08 - Programming the T-SQL Enhancements in SQL Server 2012 - <i>Leonard Lobel</i>				SQW09 - Prevent Recovery Amnesia - Forget the Backups - <i>Chris Bell</i>			
1:45 PM	3:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
4:00 PM	5:15 PM	SQW10 - Implementing Data Warehouse Patterns with the Microsoft BI Tools - <i>Kevin Goff</i>				SQW11 - Accelerate Database Performance through Data Compression - <i>Joey D'Antoni</i>				SQW12 - Building a Database Deployment Pipeline - <i>Grant Fritchey</i>			
4:00 PM	5:15 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
8:00 PM	10:00 PM	Live! 360 Evening Event											
START TIME													
END TIME													
THURSDAY, November 20, 2014: SQL Server Live! Day 3													
8:00 AM	9:15 AM	SQH01 - SQL Server Reporting Services on Power BI - <i>Kevin Goff</i>				SQH02 - Getting Started Reading Query Execution Plans - <i>Grant Fritchey</i>				SQH03 - Database Design: Size DOES Matter - <i>Thomas LaRock</i>			
8:00 AM	9:15 AM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
9:30 AM	10:45 AM	SQH04 - Excel, Power BI and You: An Analytics Superhub - <i>Andrew Brust</i>				SQH05 - Secrets of SQL Server: Database WORST Practices - <i>Pinal Dave</i>				SQH06 - Securing Your Database by Using Transparent Data Encryption (TDE) - <i>Bradley Ball</i>			
9:30 AM	10:45 AM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
11:00 AM	12:15 PM	SQH07 - Self-Service BI Governance - <i>Jen Underwood</i>				SQH08 - Statistics and the Query Optimizer - <i>Grant Fritchey</i>				SQH09 - To Be Announced			
11:00 AM	12:15 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
12:15 PM	1:30 PM	Lunch on the Lanai											
12:15 PM	1:30 PM	Lunch on the Lanai											
1:30 PM	2:45 PM	SQH10 - Busy Developer's Guide to R - <i>Ted Neward</i>				SQH11 - Inside the SQL Server Query Optimizer - <i>Bradley Ball</i>				SQH12 - Monitoring Databases in a Virtual Environment - <i>Thomas LaRock</i>			
1:30 PM	2:45 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
3:00 PM	4:15 PM	SQH13 - Advanced Analytics and Data Mining for Power BI - <i>Jen Underwood</i>				SQH14 - Cardinality Estimates in SQL Server 2014 - <i>Thomas LaRock</i>				SQH15 - Busy Developer's Guide to NoSQL - <i>Ted Neward</i>			
3:00 PM	4:15 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.											
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka											
START TIME													
END TIME													
FRIDAY, November 21, 2014: SQL Server Live! Post-Conference Workshops													
8:00 AM	5:00 PM	SQF01 - Workshop: Performance Tuning Best Practices - Every DBA and Developer MUST Know - <i>Pinal Dave</i>						SQF02 - Workshop: SQL Server 2014 for Developers - <i>Leonard Lobel</i>					

Speakers and sessions subject to change

SQL Server Live! Session Descriptions by Track

SQL SERVER ADMINISTRATION AND MAINTENANCE

Looking to brush up on SQL Server administration fundamentals? Are you a “reluctant DBA” charged with supporting SQL Server – and given no training? SQL Server Live! is here to help, with a complete selection of core maintenance topics: indexing, backup and recovery, monitoring, task automation, PowerShell, virtualization, and more!

■ SQM02 Workshop: Maintaining SQL Server for Non-DBAs – Introductory / Intermediate

Don Jones

Monday, November 17, 8:00 am – 5:00 pm

Stuck supporting SQL Server because you’re the “Microsoft person” in your shop? Not looking to become a “DBA,” but still need to maintain SQL Server? Are you mainly supporting SQL Server as a back-end to a third-party application, and have no control over the application code or queries? This is the (non-hands-on) workshop for you. Longtime SQL Server instructor Don Jones brings you JUST what you need to know to keep SQL Server up and running – along with a serious look at what you can actually do (and mustn’t touch) when supporting a third-party database application. Learn about performance tuning, backup and recovery, indexes and index tuning, storage optimization, and much more. It’s a great way to kick off your SQL Server Live! experience, and to gain the background information you’ll need to really leverage other courses at the conference!

You will learn:

- Learn key maintenance tasks
- Automate maintenance for hands-off, worry-free operations
- Tune indexes and storage for maximum performance

■ SQT03 Introduction to SQL Server Clustering – Introductory

Chad Churchwell

Tuesday, November 18, 9:30 am – 10:45 am

This session will be an introduction to clustering SQL Server for high availability. We will cover the architecture of what all is needed to create a cluster, the piece each component plays with regards to SQL Server. The differences between a clustered SQL instance and a stand-alone SQL instance will be discussed. We will cover quorum models, shared storage requirements and also have a full clustering demo. Finally, we will cover enhancements for clustering that were released with SQL Server 2012 as well as SQL Server 2014.

You will learn:

- Understand the use case to use failover clustering with SQL Server
- Understand the components needed to create a SQL Server cluster
- Leave with the knowledge and insight to feel comfortable administering a SQL Server cluster as well as installing a new SQL Server cluster

■ SQT06 Hadoop Administration for SQL Server DBAs Intermediate / Advanced

Edwin Sarmiento

Tuesday, November 18, 11:30 am – 12:15 pm

As database professionals, we cannot hide the fact that Hadoop and Big Data are becoming more than just buzz-words. Hadoop provides a platform for storing and processing large data sets across a cluster of commodity servers and is solving real business problems that deal with massive amounts of data. And who among others understand data better than database professionals? In this session, we will learn the core components that make up the Hadoop ecosystem, some of the use cases for implementing Hadoop,

deploying and administering a Hadoop cluster. We will also look at some of the similarities between SQL Server and Hadoop from an architecture perspective. At the end of the session, you will be confident enough to get started on exploring the world of Hadoop and Big Data.

You will learn:

- Core components that make up the Hadoop ecosystem,
- Use cases for implementing Hadoop
- Deploying and administering a Hadoop cluster

■ SQT09 Building Perfect SQL Servers, Every Time – Introductory / Intermediate

Joey D’Antoni

Tuesday, November 18, 2:00 pm – 3:15 pm

One of the biggest challenges in any large SQL environment is maintaining consistent configurations and meeting the pressures from the business for rapid server deployments. Additionally by default, SQL Server does not install with the best practices for every environment. You will learn best practices for system settings, file system layout and scheduling maintenance tasks. You will learn about what the best practices are for most SQL Server configurations, and how to automate your SQL Server builds in both a physical and virtual world. You will learn about the tradeoffs and benefits to completely automating the build process. You will hear about lessons learned building a private cloud at a Fortune 100 telecommunications company. You will also learn how to use these same methods to ensure consistency with your servers, whether they are in the cloud, or on-premises.

You will learn:

- Best practices for configuring SQL Server
- How to script your SQL Server installation process so it happens in a reliable, repeatable fashion
- Lessons from building a private cloud at a major telecommunications company

SQL Server Live! Session Descriptions by Track

■ **SQT12 SQL Server High Availability and Disaster Recovery – Intermediate**

Chad Churchwell

Tuesday, November 18, 4:15 pm – 5:30 pm

This session will cover the different methods used to make SQL Server highly available, as well as to protect your SQL Server instance in the event of a disaster. We will compare the pros and cons of each technology and discuss design decisions when choosing a technology. We will cover clustering, log shipping, mirroring, and AlwaysOn Availability groups.

You will learn:

- Different technologies available in SQL Server
- Limitations and use cases for each technology
- Information to take back to your organization to make recommendations for a solid HA/DR plan

■ **SQW03 Everything You Never Wanted to Know about SQL Server Indexes – Intermediate**

Don Jones

Wednesday, November 19, 9:15 am – 10:30 am

SQL Server indexes are an absolutely crucial part of SQL Server performance - but do you know how they REALLY work? Like, under the hood? Index and PTO geek Don Jones takes you on a backstage tour of indexes. You'll learn about B-trees, clustered and non-clustered indexes (separating myth from fact), how indexes consume storage and become fragmented, and how - over time - index design MUST be revisited and revised on ANY database.

You will learn:

- Choose the right kind of index (there's more than two!)
- Learn WHY and HOW index maintenance becomes necessary
- Get hard numbers on index tuning and maintenance



“Loved the 4-in-1 concept in 2013 - it really helped me convince my boss to send me in tight budget times.”

– Jason Suly, CTC

■ **SQW06 Everything You Never Wanted to Know about SQL Server Indexes – Intermediate**

Don Jones

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

Is it safe to virtualize SQL Server? Yes! If you don't screw it up, that is. And just about everyone does. In this concise session, you'll get the hard facts on SQL Server virtualization - whether you're using Hyper-V, vSphere, Xen, or anything else - along with a simple checklist of what to do, and what NOT to do, to maintain SQL Server performance levels. You'll also get monitoring tips and tricks, and some advice about using virtualization for high availability that you may not have previously considered.

You will learn:

- Learn what to NEVER do when virtualizing SQL Server
- Discover hidden benefits of virtualization for SQL Server

■ **SQH12 Monitoring Databases in a Virtual Environment – Intermediate**

Thomas LaRock

Thursday, November 20, 1:30 pm – 2:45 pm

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.

You will learn:

- A clear understanding of virtualization architecture
- Virtualization configuration options and recommendations
- Awareness of common performance issues; how to spot them and how to fix them

Session Descriptions by Track

SQL SERVER PERFORMANCE TUNING AND OPTIMIZATION

Get the most from SQL Server – even if it's hosting a third-party application database! Learn the insider tricks to performance tuning, covering the Query Optimizer, CPU issues, transaction logs, monitoring, and much more. SQL Server Live! helps you maximize your SQL Server investment!

■ SQW11 Accelerate Database Performance through Data Compression – Introductory / Intermediate

Joey D'Antoni

Wednesday, November 19, 4:00 pm – 5:15 pm

Much like the cars of the 1970s sacrificed gas mileage for better performance, database technology has also made its share of sacrifices for efficiency. Fortunately, times have changed significantly since then. Just as adding a turbo-charger to a car delivers more power while saving fuel, the addition of compression to a database accelerates read performance while saving disk space.

Come learn how, why, and when compression is the solution to your database performance problems. This session will discuss the basics of how compression and de-duplication reduce your data volume. We'll review the three different types of compression in SQL Server 2012, including the overhead and benefits of each and the situations for which each is appropriate, and examine the special type of compression used for ColumnStore indexes to help your data warehouse queries fly. As with turbo, data compression also has drawbacks, which we'll cover as well.

You will learn:

- The costs and benefits of using data compression in SQL Server
- Best practices for when and how to use compression in your database
- An understanding of how columnstore indexes can be used in SQL Server

■ SQH02 Getting Started Reading Query Execution Plans – Introductory / Intermediate

Grant Fritchey

Thursday, November 20, 8:00 am – 9:15 am

The best way to understand why your query is running slow is to look at the execution plan. But, knowing how to get started in execution plans, what to look for, what's important can all be terribly confusing. This session will provide you with a simple set of tasks to get you started reading execution plans. You'll learn where to start, what to look for first, and you'll be better prepared to tune your queries. We'll also look at some methods you can use to write queries against the plans themselves in order to more easily and quickly identify potential issues within your plans. The information presented will be immediately applicable on the queries you have running back in the office.

You will learn:

- Understand how to get useful information out of execution plans
- Learn where to look at execution plans to understand what things are, what they mean, and what they're doing to the data
- To make appropriate changes to improve performance on your queries

■ SQH05 Secrets of SQL Server: Database WORST Practices – Introductory / Intermediate

Pinal Dave

Thursday, November 20, 9:30 am – 10:45 am

"Oh my God! What did I do?" Chances are you have heard, or even uttered, this expression. This demo-oriented session will show many examples where database professionals were dumbfounded by their own mistakes, and could even bring back memories of your own early DBA days. The goal of this session is to expose the small details that can be dangerous to the production environment and SQL Server as a whole, as well as talk about worst practices and how to avoid them. We will shed light on some of these perils

and the tricks to avoid them may even save your current job. After attending this session, Developers will only need 60 seconds to improve the performance of their database server in their SharePoint implementation. We will have a quiz during the session to keep the conversation alive. Developers will walk out with scripts and knowledge that can be applied to their servers, immediately post the session. Additionally, all attendees of the session will have access to learning material presented in the session.

You will learn:

- Performance
- Best Practices
- Tuning
- Database

■ SQH08 – Statistics and the Query Optimizer – Introductory / Intermediate

Grant Fritchey

Thursday, November 20, 11:00 am – 12:15 pm

There are large numbers of performance tuning methods to get your queries to run faster. But the most important thing you can do to improve query performance is ensure that you have provided the query optimizer within SQL Server with the best possible statistics. This session will teach you what statistics are, how they are generated and their use within the optimizer. You'll be able to take home a better understanding of how the optimizer works with statistics in order to write better T-SQL and build better database structures to avoid common issues such as bad parameter sniffing.

You will learn:

- How to read the output from DBCC SHOW_STATISTICS in order to completely understand how statistics are stored within SQL Server and how they are used by the optimizer to create execution plans
- Understand the various mechanisms for automatically or manually creating statistics and where each is applicable
- How statistics are maintained, both automatically and manually, and which is applicable in a given situation

Session Descriptions by Track, continued

■ SQH11 Inside the SQL Server Query Optimizer – Intermediate / Advanced Bradley Ball

Thursday, November 20, 1:30 pm – 2:45 pm

In SQL Server 2014 there are big changes to the Query Optimizer. We get a new cardinality estimator! The way we look at statistics are improved! Heuristics have been improved! Fancy words but what does this mean to you when you're writing T-SQL? Does this mean I need to fear an upgrade to SQL 2014? Want to understand how to use the old or new Optimizer? In this session, we will break down the changes that were made, why they were made, and example of how SQL 2014 can make your T-SQL life better!

You will learn:

- How the Optimizer Changes in SQL Server 2014
- How to use the New or Old Cardinality estimator
- How the Optimizer Rules can be used to your advantage

■ SQH14 Cardinality Estimates in SQL Server 2014 – Intermediate / Advanced

Thomas LaRock

Thursday, November 20, 3:00 pm – 4:15 pm

The way SQL Server estimates cardinality for a query has been updated for SQL 2014. In this session, we will discuss why cardinality matters, the differences between the SQL 2014 cardinality and previous versions, and how to evaluate if your queries will benefit after upgrading to SQL 2014.

You will learn:

- Differences between old and new cardinality estimator
- How to know which one is being used
- How to know if the new version is causing performance issues
- How to revert back to the old version if needed

■ SQF01 Workshop: Performance Tuning Best Practices - Every DBA and Developer MUST Know – Intermediate

Pinal Dave

Friday, November 21, 8:00 am – 5:00 pm

Performance Tuning is a tricky subject, but not as difficult as we think. It is very common to see in this industry that the DBA believes the performance issue is due to bad code and the Developer believes it is due to the bad deployment of the database server.

In this session, we will try to bridge the gap between DBA and Developer. We will approach performance as a whole subject rather than dividing them into DBA or Developer problems.

We will have very different approaches to solving the performance problems of SQL Server - we will have stories related to real world scenarios and practical approach of solving performance problems.

We will primarily discuss:

- Best Deployment Practices
- Indexes, Best Practices and Maintenance
- Identifying slow running queries and Tuning
- Identifying resource bottleneck with the help of SQL Wait Stats
- Optimizing Resources - CPU, IO, Memory
- Best Practices to Resolve ad-hoc issues

You will learn:

- Performance Tuning
- Best Practices
- Index and Query Tuning

SQL SERVER FEATURES AND COMPONENTS

SQL Server is more than just a database engine – it's a powerful platform for data management. Master its breadth and depth with SQL Server Live! content on enterprise features, "Hekaton" in-memory OLTP, SSIS, Semantic Search, replication, AlwaysOn, and more.

■ SQT02 SQL Server Integration Services End-to-End – Introductory / Intermediate

David Dye

Tuesday, November 18, 9:30 am – 10:45 am

Have you ever been asked to export data from a SQL Server database to an Excel spreadsheet or parse an XML file and import data into Microsoft Access or SQL, or connect to an FTP server and import a comma delimited file? If you have been tasked with any of these chores or are required to export or import any data on a daily basis, then SQL Server Integration Services (SSIS) is the answer. SSIS is the toolset used to help you implement data integration process applications among your business application system's files and databases.

SSIS was first introduced in SQL 2005 as the replacement to Data Transformation Services (DTS) and serves as the primary tool to extract, transform, and load data. Built on top of the Common Language Runtime (CLR), SSIS provides a powerful and extensible platform to meet any ETL process.

This full day workshop will cover SSIS from beginning, creating simple to complex SSIS packages, to end, debugging, deploying, and maintaining projects. All demonstrations and examples will be presented using SSIS 2012, but detail will be given throughout the workshop to discuss the differences between SSIS 2005 through 2014. Upon completion, attendees will be provided with the knowledge and tools to immediately begin creating their own SSIS packages in their environment.

Session Descriptions by Track, continued

You will learn:

- Be familiar with control flow tasks and architecture
- Identify the primary components of a data flow control flow task
- Implement event handlers for pro-active error handling and custom logging
- Use variables in a package to implement dynamic execution
- Be familiar with the different methods of deployment and the differences of each
- Use parameters to provide a means of making package execution dynamic and portable
- Work with the SSIS catalog to monitor execution and metrics

■ **SQT05 Designing and Maintaining a SQL Server Replication Topology – Intermediate** **Chad Churchwell**

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

This session is focused on design and architectural decisions when choosing replication as a technology to use within your organization. We will cover all the moving pieces involved with replication, the internal architecture of how replication works, as well as describing the agents in detail. One will also learn what replication is intended to do as well as what it is not a good fit for. I will cover the new SQL 2014 support enhancements as well as combining with AlwaysOn Availability groups to protect your replication environment to ensure minimal downtime. I will also cover monitoring and alerting on replication errors and latency to ensure accurate data.

You will learn:

- How replication works behind the scenes and architecturally to better prepare yourself with knowledge to manage a replicated environment
- How to be proactive and use best practices for monitoring and alerting of replication issues when they arise as well as how to resolve common replication errors
- How replication can be used with a high availability technology to ensure protection of your mission critical systems

■ **SQT08 Implementing Auditing in SQL Server – Introductory**

David Dye

Tuesday, November 18, 2:00 pm – 3:15 pm

SQL Audit provides the ability to track and log activities and changes at the instance or database level built upon SQL Audit Extended Events, which 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:

- Different technologies available in SQL Server to audit
- To implement auditing in SQL Server
- To create a server audit specification
- To create a database audit specification

■ **SQT11 Dealing with Errors in SQL Server Integration Services – Introductory / Intermediate**

David Dye

Tuesday, November 18, 4:15 pm – 5:30 pm

SSIS was first introduced in SQL 2005 as a replacement to DTS and is the primary ETL tool for SQL Server. Errors can occur anywhere within an SSIS package and the cause and error message can be somewhat cryptic. This session focuses on identifying error causes and handling them dynamically and proactively. The means of dealing with errors is defined by where the error occurs and we will cover error handling in control flow, data flow, and script tasks in great detail.

You will learn:

- To identify the different error handling methods in control flow, data flow, and script tasks
- To utilize event handlers to proactively handle errors
- To redirect data error and proactively handle data flow errors
- To identify error descriptions and log error details

■ **SQW02 Integrating Reporting Services with SharePoint – Introductory / Intermediate**

Kevin Goff

Wednesday, November 19, 9:15 am – 10:30 am

Have you ever seen a SharePoint site that integrates reports from SSRS, and wonder how all the pieces fit? If so, this session is for you. I'll cover the necessary integration/configuration steps for integrating SSRS 2008R2/SSRS 2012 with SharePoint 2010/2013, as well as deploying reports to a SharePoint location. I'll also show how to integrate SSRS reports into SharePoint/PerformancePoint Services dashboard pages, as well as how to schedule reports for delivery to SharePoint document libraries. Finally, you'll see the improvements from Microsoft that make reporting against SharePoint lists much easier than before.

You will learn:

- Differences in the integration points between the different versions of SSRS and SharePoint in the last few years
- How to schedule reports for automated delivery to SharePoint Document libraries
- How to integrate SSRS reports into SharePoint

“Overall, this conference was awesome. Not one boring session and excellent speakers. Topics were relevant to today’s tech. I will put some of what I learned to use as soon as I get back.”

*- Steve Harper, PC Support Engineer,
Lake Trust Credit Union*

Session Descriptions by Track, continued

SQL SERVER TOOLS, TRICKS, AND TECHNIQUES

Cement your “guru” status with SQL Server Live! tricks, tips, and techniques for maximizing SQL Server as part of a SharePoint Server installation, data integration implementations, BI workloads and more!

■ SQW09 Prevent Recovery Amnesia - Forget the Backups – Introductory

Chris Bell

Wednesday, November 19, 1:45 pm – 3:00 pm

Do you suffer from Recovery Amnesia? You have a complete strategy to backup your SQL environment; but what about the recovery? Is that even part of your strategy?

Through this introductory session, we will review the various aspects & myths of backups in SQL Server. We will pin down how developing a recovery strategy to meet business requirements is, in fact, more important than just a good backup strategy.

You will learn:

- Why it is more important to have a good recovery strategy
- To develop a solid backup & recovery strategy to meet your business requirements
- Knowledge you are doing what you can to protect your data and meet business requirements

“I love how much real world knowledge you acquire on a wide variety of topics. I know I’d be using what I’ve learned as soon as I get back to work. The networking functions were great for meeting peers and building friendships.”

– Michael Cross, Niagara Regional Police Service

■ SQW12 Building a Database Deployment Pipeline – Introductory/ Intermediate

Grant Fritchey

Wednesday, November 19, 4:00 pm – 5:15 pm

The pace of business accelerates fairly continuously and application development moves right with it. But we’re still trying to deploy databases the same way we did 10 years ago. This session addresses the need for changes in organizational structure, process and technology necessary to arrive at a nimble, fast, automatable and continuous database deployment process. We’ll use actual customer case studies to illustrate both the common methods and the unique context that led to a continuous delivery process that is best described as a pipeline. You will learn how to customize common practices and tool sets to build a database deployment pipeline unique to your environment in order to speed your own database delivery while still protecting your organization’s most valuable asset, its data.

You will learn:

- About the process changes needed to support a stream-lined database deployment mechanism
- Details on the necessary business process changes needed to apply agile methods to databases
- See multiple case studies showing how different organizations used unique, but similar, techniques to completely rearrange their deployment processes in order to arrive at faster, but safe, database deployments

■ SQH03 – Database Design: Size DOES Matter – Intermediate

Thomas LaRock

Thursday, November 20, 8:00 am – 9:15 am

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:

- Understanding why datatypes matter
- Awareness of performance problems associated with poor datatype design choices
- Solution options to fix performance issues caused by sub-optimal design choices

■ SQH06 Securing Your Database by Using Transparent Data Encryption (TDE)

– Intermediate

Bradley Ball

Thursday, November 20, 9:30 am – 10:45 am

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, what it doesn’t do, how it effects Read-Only Filegroups, Performance, Compression (Backup and Row/Page), and other Advance Features as well as some tips on how to manage it.

You will learn:

- Understand what Transparent Data Encryption does and doesn’t do
- Understand the impact of Transparent Data Encryption on applications
- Understand how to manage Transparent Data Encryption

Session Descriptions by Track, continued

BI, BIG DATA AND ANALYTICS

As organizations are increasingly turning to SQL Server and related technologies to make better decisions about their businesses, SQL Server Live! presents a full track to help you master the complex world of BI, Big Data and Analytics. From Analysis Services to Power BI, from Big Data to NoSQL, you'll find it all!

■ SQM01 Workshop: Big Data and NoSQL for Database and BI Pros – Intermediate Andrew Brust

Monday, November 17, 8:00 am – 5:00 pm

These days, it's difficult to visit a technology Web site – or even a mainstream news site – and not read a story about Big Data. Big Data is at the top of its hype cycle: it's seemingly everywhere, and even Microsoft is getting into the game.

But what is Big Data really about? What about its sidekick, NoSQL? And how is any of it germane to business analytics, especially for database administrators, developers, and business intelligence specialists working in enterprise environments? Can Java-based, open-source software such as Apache Hadoop, which runs mostly on Linux, be relevant to SQL Server professionals supporting their organization's analytics efforts? And if it is relevant, how can we cross-train into this strange new world?

There's good news here, I promise. Much of this technology now runs on Windows, and Microsoft has created tools that make it usable from Visual Studio, Excel, and Microsoft BI. Even more important, working with these technologies in non-Microsoft environments is approachable as well. All you need is a proper introduction to Hadoop, NoSQL, and related technologies that is free of hype and explained in terms a relational database or BI professional can understand.

That's exactly what you'll get in this full-day workshop, as Andrew Brust – a longtime SQL Server author and Microsoft

BI influencer who is also Gigaom's Research Director for Big Data – shows you the ropes. You'll learn new skills that are in strong demand in the BI/BD world – and actually understand what you learn. It will be exciting, manageable...and fun. You can do this – come see for yourself.

You will learn:

- The four sub-groups of NoSQL database
- How Hadoop works, through looks at three different Hadoop distributions
- How to integrate Microsoft BI with Hive and Hadoop
- How NoSQL and Big Data tie together

■ SQT07 Big Data 101 with Azure HDInsight – Intermediate

Andrew Brust

Tuesday, November 18, 2:00 pm – 3:15 pm

HDInsight is the name of Microsoft's distribution of Apache Hadoop, the essential and defining technology of the Big Data world. HDInsight runs in the cloud on Windows Azure, and yet provides an environment that users of other Hadoop distributions will find familiar and quickly useable.

But what is "Big Data," really? And why in the world would Microsoft embrace Hadoop, an open source technology, written in Java that customarily runs on clusters of Linux servers? In this session, Andrew Brust, Microsoft BI expert and Gigaom's Research Director for Big Data and Analytics, will explain what Big Data is all about and how Hadoop works. He will highlight its advantages and disadvantages and introduce you to HDInsight. Andrew will also discuss HDInsight's developer tools, demonstrate relevant Microsoft BI tools and show how they work with HDInsight. Most importantly, you'll learn how developers with relational database skills can make the jump into this exciting and opportunity-filled area.

You will learn:

- What Big Data really is, in a beyond-the-hype context
- About Microsoft HDInsight, its .NET SDK for Hadoop, and LINQ Provider for Apache Hive

- How Microsoft's newest BI technologies work
- Understand how SQL Server Parallel Data Warehouse's
- PolyBase technology integrates with Hadoop and SQL Server

■ SQT10 Integrating SQL Server Analysis Services with Hadoop – Introductory / Intermediate

Edwin Sarmiento

Tuesday, November 18, 4:15 pm – 5:30 pm

While Hadoop is designed for scalability with massive amounts of data, it is inherently slow. This makes ad-hoc analysis prohibitive due to slow query performance. To address this issue, Hadoop data can be brought into SQL Server Analysis Services. In this session, we will look at how to integrate SQL Server Analysis Services with Hadoop to provide real-time data analysis and reporting.

You will learn:

- About the Hadoop ecosystem and architecture
- How to integrate Hadoop with SQL Server Analysis Services
- How to take advantage of the Hadoop-Analysis Services combination to provide data analysis platform for your business



Session Descriptions by Track, continued

■ SQW01 Who Moved My Tuple? Columnstore Indexes in SQL Server 2014 – Intermediate Joey D’Antoni

Wednesday, November 19, 9:15 am – 10:30 am

Data Warehouse workloads can be very large and taxing on your database server. With the modern demands of real-time analytics against growing volumes of data this challenge continues. When columnstore indexes and batch mode query processing were introduced in SQL Server 2012, they were a performance game changer. In the 2012 implementation of columnstore, direct updating and inserting of data was not supported and other restrictions, such as data types limited the use of the feature. SQL 2014 removes those limitations; you can use a columnstore index as a clustered index, and more importantly directly perform DML against the index. Also, more query operators support batch mode, which means more of your queries can see performance benefits. You will understand the changes for 2014 and how having updateable columnstore indexes may cause changes to your process design. You will see the power of columnstore indexes in analytics, their limits, and how to include them into your system design.

You will learn:

- How SQL Server implements columnstore technology for incredible data warehouse performance
- Best practices around when and where to use columnstore indexes
- An overview of how columnstore indexes operate internally to SQL Server

■ SQW04 Getting Started with MDX – Introductory

William Pearson

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

In this session, led by Microsoft BI Architect and SQL Server MVP Bill Pearson, we will concentrate largely upon crafting simple MDX expressions and queries whose purposes, for the most part, are to return a set of data. We will overview the structure of a cube, using as a basis the sample Adven-

ture Works cube that is available to anyone installing SQL Server Analysis Services 2008 R2. We will then outline the components of simple MDX syntax, and get started writing basic expressions and queries. We will expose basic member functions, introduce filters (or “slicer”), and begin exploring core MDX functionality, including calculated members, and named sets. This session applies equally to Analysis Services 2008, 2008R2, 2012, and 2014.

You will learn:

- An Introduction to MDX - discussing its relevance, uses and basic components
- Expose the concept of tuples and explore syntax elements
- Examine Illustrative MDX Queries

■ SQW07 Getting Started with Analysis Services 2014 Tabular – Introductory

William Pearson

Wednesday, November 19, 1:45 pm – 3:00 pm

The Analysis Services 2014 Business Intelligence Semantic Model (BISM) unifies Multidimensional (OLAP) and Tabular (relational) options for organizational BI. In this session, BI Architect, SQL Server MVP and Analysis Services Maestro Bill Pearson introduces Microsoft Business Intelligence 2014 and the Business Intelligence Semantic Model (“BISM”). He then overviews the Tabular model, beginning with the creation of a project with SQL Server Data Tools (“SSDT”), and continuing from the data import steps to the creation and management of calculations, measures and Key Performance Indicators (“KPI”). Finally, he provides insight to the creation and maintenance of perspectives and hierarchies, as well as other considerations involved in working with Tabular.

You will learn:

- A general understanding of the Business Intelligence Semantic Model (“BISM”)
- An overview of the Tabular model
- Examine the creation and management of calculations, measures and Key Performance Indicators

■ SQW10 Implementing Data Warehouse Patterns with the Microsoft BI Tools – Introductory / Intermediate

Kevin Goff

Wednesday, November 19, 4:00 pm – 5:15 pm

You’ve read some of the content of well-known Data Warehousing books: now what? How do you take the structures and disciplines inside such books as the Ralph Kimball series and implement them? This session will take several of the key concepts in Data Warehousing and demonstrate some implementations using SQL Server Integration Services and Analysis Services. We’ll look at items such as Type 2 Changing Dimensions, Confirmed Dimensions, Dimension Outriggers, Role-Playing Relationships, Many-to-Many Bridge table relationships, Factless Fact tables, Handling of NULL foreign key values, and more.

You will learn:

- Some of the most critical “DOs and DON’Ts” in the design and population of fact and dimension tables
- ETL patterns for populating some of the more advanced dimension modeling concepts (such as type-2 changing dimensions)



Session Descriptions by Track, continued

■ SQH01 SQL Server Reporting Services on Power BI – Introductory / Intermediate

Kevin Goff

Thursday, November 20, 8:00 am – 9:15 am

In this presentation, I'll show over a dozen different SSRS topics, and allow attendees to select which topics to cover. Everything from sparklines to heat maps, from Tablix-drilldown reports to advanced charts, from performance gauges to subreport/drilldown reports to new page/group control features in R2....and even topics like data-driven subscriptions, reports against OLAP cubes, and deploying to SharePoint. Since no presentation can cover all the topics, I'll let the majority of the audience decide which to cover.

You will learn:

- The power of SSRS as a general-purpose report writer
- The ability to walk away with over a dozen different demos that showcase many different SSRS features
- The improvements that SSRS has made over the years in visualizations

■ SQH04 Excel, Power BI and You: An Analytics Superhub – Introductory / Intermediate

Andrew Brust

Thursday, November 20, 9:30 am – 10:45 am

With Microsoft's announcement of its "Power BI" self-service cloud Business Intelligence offering, Excel steps into the BI mainstream. The combination of the Excel 2013 Data Model, Power Pivot, Power View, Power Query and Power Map means the ability to do serious, sophisticated analytics in Excel is here, right now. In this session, we'll look at the analytics capabilities in the core Excel product and the aforementioned add-ins, as well as investigate how to use these tools together. We'll also see how to extend these capabilities into Office 365 and the Windows 8 modern app environment with Power BI.

You will learn:

- About the Excel Data Model and the BI Semantic Model
- The four Excel analytics add-ins: Power Pivot, Power View, Power Query and Power Map
- Publishing your Excel analytics to SharePoint and Office 365

■ SQH07 Self-Service BI Governance – Introductory / Intermediate

Jen Underwood

Thursday, November 20, 11:00 am – 12:15 pm

Large companies do suffer with shadow IT systems and rogue analyst databases hidden under desks. With new Microsoft Power BI and a plethora of different, extremely compelling, self-service reporting tools flooding the market, this issue has become more critical than ever to proactively address. Enterprise self-service BI deployments do require governance structure, processes and workflows - it truly is a critical success factor. If you simply install the BI tool and start rolling it out enterprise-wide with no governance in place, you WILL have an uncontrollable mess, compliance and reporting risks. It is much better to roll out self-service BI the right way from the beginning. In this session, we will discuss approaches and frameworks for getting your self-service BI implementation successfully launched and governed. Although these principles apply to all tools regardless of vendor, session examples will showcase Microsoft Power BI, Excel, SQL Server Analysis Services and SharePoint solutions.

You will learn:

- Understand what happens without self-service BI governance
- Approaches to self-service BI implementation
- Review proven frameworks, tools and workflows for enterprise self-service BI governance roll outs

■ SQH10 Busy Developer's Guide to R – Ted Neward

Thursday, November 20, 1:30 pm – 2:45 pm

Details coming soon.

■ SQH13 Advanced Analytics and Data Mining for Power BI – Intermediate

Jen Underwood

Thursday, November 20, 3:00 pm – 4:15 pm

Take your Power BI analytics skills to the next level. In this session, we will introduce and walk-through a variety of popular advanced analytic techniques and tools. We will cover prescriptive and predictive analytics, methodology and tools including but not limited to Microsoft Power BI: Excel, Power Pivot, Power Query, SQL Server Data Mining, Predixion, Frontline Systems Solver and R. Advanced analytics lifecycle topics discussed include choosing the right analytic technique and tool, data preparation, developing analytic models, evaluating models and implementing analytics into smart reports, dashboards, business processes and applications.

You will learn:

- Prescriptive and predictive analytics methodology and tools
- How to choose the right analytic technique and tool
- Data preparation, analytic model development, model evaluation and
- How to implement predictive models into smart reports, dashboards, business processes and applications

Session Descriptions by Track, continued

■ SQH15 Busy Developer's Guide to NoSQL – Ted Neward

Thursday, November 20, 3:00 pm – 4:15 pm

Heard about this “NoSQL” thing but aren’t really sure what it means, and worse, you’re getting conflicting answers? If you’re a developer who’s been spending all of his professional data storage days in the relational world, hearing about databases that are ‘schemaless’ and ‘dynamic’ and ‘nonrelational’, August seem like a step backwards, leaving you to wonder what the big deal is. In this talk, we’ll go over a bunch of the different NoSQLs, why they’re different from the RDBMS, and more importantly, what they’re good for and why you should spend (a little) time learning how to use and develop to them.

SQL SERVER FOR THE DEVELOPER

Developers have an incredible amount of impact on the overall performance of a database application, and SQL Server Live! shines a spotlight to help developers deliver more. From T-SQL enhancements to SQL Server 2014’s new in-memory OLTP capabilities, and a day-long workshop on SQL Server 2014 for developers, there’s plenty of content to keep you busy – or to supplement your Visual Studio Live! agenda!

■ SQT04 SQL Server 2014 In-memory OLTP Deep Dive – Intermediate / Advanced Scott Klein

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

SQL Server’s new In-Memory OLTP technology (codenamed ‘Hekaton’) promises to be one of the most exciting new features to be released when SQL Server 2014 ships. As a DBA you will have a number of questions surrounds its

internals, how it should be administered and how it will impact you high-availability design. In this demo-filled session, Scott Klein will discuss Hekaton from a DBA perspective. We will look at Hekaton’s architecture and internals, capacity planning considerations, administration considerations and how it impacts your high-availability design. Scott will also present some use cases and examples of where Hekaton can be used.

You will learn:

- How the in-memory technology is integrated into SQL Server
- Memory provisioning and high availability
- Manageability and supportability

■ SQW08 Programming the T-SQL Enhancements in SQL Server 2012 – Intermediate

Leonard Lobel

Wednesday, November 19, 1:45 pm – 3:00 pm

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:

- 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

■ SQF02 Workshop: SQL Server 2014 for Developers – Intermediate Leonard Lobel

Friday, November 21, 8:00 am – 5:00 pm

This full-day workshop will get you up to speed on powerful new features for developers in SQL Server 2008, SQL Server 2008 R2, and SQL Server 2012. Lenni will pull no punches as he rips through the most important SQL Server program-mability points in this intensive demo-packed tour.

Part 1—SQL Server Data Tools (SSDT). We’ll start with an introduction to SQL Server Data Tools (SSDT), the new database development environment for SQL Server in Visual Studio, and then dive right into extensive demos that showcase the most important SSDT features. 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 developer-specific functionality found in SSMS, you will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model—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 Visual Studio.

Part 2—T-SQL Features. Next, we’ll explore the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML, which enhances your ability to capture change data from the OUTPUT clause of any DML statement. Work with the latest date and time data types, which include support for time zone awareness. Then learn about the newest T-SQL enhancements in SQL Server 2012, such as 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.

Session Descriptions by Track, continued

Part 3—Beyond Relational. Then we'll examine the powerful "beyond relational" features, including the latest additions in SQL Server 2012. These 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 how to use the hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM and FileTable to discover how you can finally enjoy the native ability to store large binary objects in the file system transparently. We'll also cover the geospatial data types that enable you to integrate location-intelligence into the database, and build several location-aware applications on top of these new data types. We'll also cover the rich XML support provided by the relational engine, including XSD, XPath, and XQuery.

Part 4—Enterprise Features. We'll wrap up with powerful enterprise-level data warehousing and security features including Change Data Capture, SQL Server Audit and Transparent Data Encryption. With Change Data Capture (CDC), you can monitor and record changes made to trans-

actional tables without requiring any application changes or resorting to triggers. Enabling Transparent Data Encryption (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.

You'll learn a ton of new SQL Server features in this information-packed day!

You will learn:

- How to leverage SQL Server Data Tools (SSDT) to greatly enhance your productivity as a SQL Server developer
- T-SQL enhancements added to SQL Server 2008 and SQL Server 2012
- Unstructured data storage, including native file streaming, and the hierarchical and geospatial data types
- Enterprise-level data management features, including Change Data Capture (CDC), SQL Server Audit, and Transparent Data Encryption (TDE)

SQL SERVER IN THE CLOUD

Running SQL Server in "the Cloud?" We'll help you make sense of the pros and cons, the dos and don'ts, and the tips and tricks needed to be successful.

■ **SQT01 Best Practices for Leveraging SQL Server in Windows Azure Virtual Machines – Scott Klein**

Tuesday, November 18, 9:30 am – 10:45 am

Windows Azure Virtual Machines is a robust infrastructure for SQL Server, providing the full benefits of infrastructure-as-a-service offering in Microsoft data centers. SQL Server in a Windows Azure Virtual Machine enables both low overall TCO and an efficient platform for enterprise level workloads. This session will examine the critical facets beyond the mere provision of the SQL VM, and look at the characteristics and considerations for tuning, optimizing, and the key indicators for monitoring performance. We'll look at special consideration for High-Availability and Disaster Recovery, and pay a little special attention to scalability.

You will learn:

- Windows Azure Virtual Machine overview, discussing topics including durability and benefits of running in Windows Azure
- Best practices for performance tuning, optimizing, and monitoring SQL Server running in a virtual machine in the cloud
- High availability and Disaster Recovery scenarios leveraged by your on-premises environment



Agenda At-A-Glance (Sunday, Monday & Tuesday)

Advanced Windows Networking	Hybrid Cloud and Virtualization	Jack of All Trades	Security and Ethical Hacking	System Center & Microsoft Exchange	Windows PowerShell	Windows Server
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START TIME	END TIME	SUNDAY, November 16, 2014: TechMentor Pre-Conference				
4:00 PM	9:00 PM	Pre-Conference Registration - Royal Pacific Resort Conference Center				
6:00 PM	9:00 PM	Dine-A-Round Dinner @ Universal CityWalk				

START TIME	END TIME	MONDAY, November 17, 2014: TechMentor Pre-Conference Workshops				
8:00 AM	5:00 PM	TMM01 - Workshop: Microsoft Office 365: The Bootcamp - <i>Andy Malone</i>		TMM02 - Workshop: Automating Hyper-V with System Center Technologies - <i>Greg Shields</i>		
5:00 PM	6:00 PM	EXPO Preview				
6:00 PM	7:00 PM	Live! 360 Keynote: To Be Announced				

START TIME	END TIME	TUESDAY, November 18, 2014: TechMentor Day 1				
8:00 AM	9:00 AM	TechMentor Keynote: To Be Announced				
9:00 AM	9:30 AM	Networking Break • Visit the EXPO				
9:30 AM	10:45 AM	TMT01 - Desired State Configuration: An Administrator's Overview - <i>Don Jones</i>	TMT02 - Automating vSphere with VMware Orchestrator, Part 1 - <i>Greg Shields</i>		TMT03 - Creating an Everywhere LAN Without the Hassle Using DirectAccess - <i>John O'Neill, Sr.</i>	
11:00 AM	12:15 PM	TMT04 - PowerShell Scripting and Toolmaking with Patterns and Practical Uses - <i>Don Jones</i>	TMT05 - Automating vSphere with VMware Orchestrator, Part 2 - <i>Greg Shields</i>		TMT06 - To Be Announced	
12:15 PM	2:00 PM	Lunch • Visit the EXPO				
2:00 PM	3:15 PM	TMT07 - GO DARK: The PowerShell Delegated Administration Resource Kit (AKA JEA) - <i>Don Jones</i>	TMT08 - Using Microsoft Azure for Easy, Secure, Off-Site Backup - <i>John O'Neill, Sr.</i>		TMT09 - System Center and the Modern Datacenter: A Tactical Briefing - <i>Greg Shields</i>	
3:15 PM	4:15 PM	Networking Break • Visit the EXPO				
4:15 PM	5:30 PM	TMT10 - Top 20 Mistakes in Microsoft Public Key Infrastructure (PKI) Deployments - <i>Mark B. Cooper</i>	TMT11 - Integrating Office 365 with Active Directory, Step-by-Step - <i>John O'Neill, Sr.</i>		TMT12 - Career Strategies for IT Professionals: A Roundtable Discussion and Q&A - <i>Don Jones & Greg Shields</i>	
5:30 PM	7:30 PM	Exhibitor Reception				

Speakers and sessions subject to change

Continued

Agenda At-A-Glance (Wednesday)

Advanced Windows Networking	Hybrid Cloud and Virtualization	Jack of All Trades	Security and Ethical Hacking	System Center & Microsoft Exchange	Windows PowerShell	Windows Server
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START TIME	END TIME	WEDNESDAY, November 19, 2014: TechMentor Day 2				
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced				
9:15 AM	10:30 AM	TMW01 - Managing and Deploying BYOD Identity Solutions with a Microsoft PKI - <i>Mark B. Cooper</i>	TMW02 - Managing Infrastructure Migrations at Windows Server's End-of-Life - <i>Rick Claus</i>	TMW03 - Automating Application Installations: An Introduction to Software Packaging & Repackaging - <i>John O'Neill, Sr.</i>		
10:30 AM	11:00 AM	Networking Break • Visit the EXPO				
11:00 AM	12:15 PM	TMW04 - Securing Cloud Servers and Services with PKI Certificates - <i>Mark B. Cooper</i>	TMW05 - Everything You've Needed to Know about Windows Scale Out File Server - <i>Rick Claus</i>	TMW06 - Skype Internals from a Security Perspective - <i>Andy Malone</i>		
12:15 PM	1:45 PM	Birds-of-a-Feather Lunch • Visit the EXPO				
1:45 PM	3:00 PM	TMW07 - CIM-ple Remote Management with PowerShell - <i>Jeffery Hicks</i>	TMW08 - Troubleshooting the Windows Client, an Introductory Clinic - <i>Jeff Stokes</i>	TMW09 - The Dark Side of Social Networking and How to Survive It - <i>Andy Malone</i>		
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.				
4:00 PM	5:15 PM	TMW10 - Creating Graphical PowerShell Tools - <i>Jeffery Hicks</i>	TMW11 - Building a Better VDI Image: Best Practices from Microsoft - <i>Jeff Stokes</i>	TMW12 - The Hacker's Guide to Identity Theft and How to Survive It - <i>Andy Malone</i>		
8:00 PM	10:00 PM	Live! 360 Evening Event				

Agenda At-A-Glance (Thursday & Friday)

Advanced Windows Networking	Hybrid Cloud and Virtualization	Jack of All Trades	Security and Ethical Hacking	System Center & Microsoft Exchange	Windows PowerShell	Windows Server
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START TIME	END TIME	THURSDAY, November 20, 2014: TechMentor Day 3			
8:00 AM	9:15 AM	TMH01 - Managing Hyper-V with Windows PowerShell <i>- Jeffery Hicks</i>	TMH02 - Building a Secure and Cost-Effective BitLocker <i>- Sami Laiho</i>	TMH03 - Improve Your Tech Writing Skills: Lessons from a Professional Author - Don Jones	
9:30 AM	10:45 AM	TMH04 - Document Everything with Windows PowerShell <i>- Jeffery Hicks</i>	TMH05 - The Real-World Guide to Upgrading your IT Skills AND Your Infrastructure, Part 1 - Rick Claus	TMH06 - Proactive Security in Windows Environments <i>- Sami Laiho</i>	
11:00 AM	12:15 PM	TMH07 - Discussing the Future of Desktop Administration: Are Configuration Manager's Days Numbered? <i>- Don Jones & Greg Shields</i>	TMH08 - The Real-World Guide to Upgrading your IT Skills AND Your Infrastructure, Part 2 - Rick Claus	TMH09 - How to Build a Perfect File Server with Windows Server - Sami Laiho	
12:15 PM	1:30 PM	Lunch on the Lanai			
1:30 PM	2:45 PM	TMH10 - Eliminate the Regulatory Compliance Nightmare <i>- J. Peter Bruzzese</i>	TMH11 - To Be Announced		TMH12 - Oh Snap! Active Directory Attribute-level Recovery when the AD Recycle Bin Cannot Help - Ashley McGlone
3:00 PM	4:15 PM	TMH13 - Exchange 2013 and SharePoint 2013: Better Together - J. Peter Bruzzese	TMH14 - Migrating Your Windows Failover Clusters - Is Now the Right Time to Upgrade? - Bruce Mackenzie-Low	TMH15 - Migrate GPOs from One Domain / Forest to another Using PowerShell - Ashley McGlone	
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up <i>Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka</i>			
START TIME	END TIME	FRIDAY, November 21, 2014: TechMentor Post-Conference Workshops			
8:00 AM	5:00 PM	TMF01 - Workshop: Microsoft Exchange Boot Camp for the Accidental Exchange Administrator <i>- J. Peter Bruzzese</i>		TMF02 - Workshop: Windows Troubleshooting DEEP DIVE - Bruce Mackenzie-Low	

Session Descriptions by Track

SECURITY AND ETHICAL HACKING

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

■ TMW06 Skype Internals from a Security Perspective – Intermediate / Advanced

Andy Malone

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

Skype has become the cornerstone of communication platforms which provide millions of users worldwide with a set of versatile, low-cost tools for calling, video and chat to a broad audience. Traditionally shrouded in secrecy, join Andy Malone as he takes you on a journey into the very heart of Skype, from its history & development to management, control, security and forensics. For IT & Security professionals this is the definitive deep dive you've been waiting for and it is packed with, tips and tricks that you won't want to miss.

You will learn:

- Look at the internals of Skype
- How Skype works and how it encrypts call data
- Potential weakness

■ TMW09 The Dark Side Social Networking and How to Survive it – Intermediate / Advanced

Andy Malone

Wednesday, November 19, 1:45 pm – 3:00 pm

Social networking has changed the way we interact on a global scale. On the surface it lets us make new friends and

business contacts. But, what of the darker side of Social Networking? How do you protect your business or yourself and your family from predators, cyberbullies, scammers, stalkers and other cyber-criminals? In this sometimes shocking and often thought provoking deep dive, Andy Malone takes you on a dark journey into the very heart of Facebook and other platforms to discover how they really work as well as offering tips, tricks and practical advice on Social Networking Security.

This session will contain shocking information some attendees may find disturbing.

You will learn:

- What goes on underneath the Social network
- About traps and how to avoid them
- Discover the dark-side of the social networking world that you never knew existed.

■ TMW12 The Dark Side Social Networking and How to Survive it – Intermediate / Advanced

Andy Malone

Wednesday, November 19, 4:00 pm – 5:15 pm

It's amazing to think that the humble human being is represented by nothing more than a set of numbers, but it's true! From the moment we are born to the moment we die that's all we are. At least to a computer anyway. Identity theft is one of the fastest growing crimes. With someone else's identity you can create a new life by hiding an old crime. You can even enjoy the high life at someone else's expense and the insane thing is, that it's so simple. With just a few pieces of information and a few clicks you could enjoy the benefits of credit card fraud at the expense of a well-targeted victim. In this fascinating and often eye opening session join Andy Malone as he takes you inside the mind of an identity thief to discover the tricks of the trade.

You will learn:

- How the bad guys can access your identity
- How it's used to commit fraud.
- How to protect yourself from this worrying crime

■ TMH06 Proactive Security in Windows Environments – Intermediate

Sami Laiho

Thursday, November 20, 9:30 am – 10:45 am

Did you see the news about the latest zero-day attack using RTF-files? Yet again, an example where no harm is done if you have your proactive security measures in place. In fact, all of the biggest zero-day attacks in the last decade have been of such nature that even without an anti-malware solution you could have avoided the worst consequences if you just had your proactive security done right. If a user has admin rights he/she can turn off the protective measures - this is the most important thing to do right and get rid of the excessive user permission. In this session, you'll see how admins can turn off all policies in a heartbeat. After you're done with getting rid of admin rights you need to implement stuff like firewalls, IPsec, Software Restriction policies and disk encryption. And yes, you also need a reactive solution like an anti-malware on top of the more important proactive measures. Reactive security reacts to found threats and proactive security prevents you from getting them in the first place. Join this session, and see one of the leading OS and Security Experts Sami Laiho show you how to build a proactive security solution that's always up to date.

You will learn:

- How to prevent malware on Windows machines
- How and why to use permissions wisely
- How and why to implement UAC, AppLocker, SRP, BitLocker, SecureBoot etc.

"The Keynote speakers were engaging, thought provoking and informative. Wonderful location and well laid out."

– Jeff Byers, Experis IT

Session Descriptions by Track, continued

WINDOWS POWERSHELL

TechMentor brings you best-in-the-world Windows PowerShell coverage with hardcore education from the finest experts on the planet! Go from zero to hero. Learn to build tools. Master Desired State Configuration. Generate reports. Get your PowerShell game off the ground, master new techniques, and go home the superhero you always wanted to be.

■ TMT01 Desired State Configuration: An Administrator's Overview – Intermediate / Advanced

Don Jones

Tuesday, November 18, 9:30 am – 10:45 am

Microsoft has made a splash with Desired State Configuration (DSC), a new configuration management technology that lets you tell computers how you want them configured, and then sit back and watch them do it – and maintain that state – without any effort on your part. It's a major change in how we manage computers, and it's already moving into production environments like gangbusters. It'll be easy to get left behind, so NOW is the time to learn what it's all about. PowerShell guru Don Jones teaches you how to get started using DSC IMMEDIATELY in your production, test, or lab environments. It's easier than you might think, so jump on board!

You will learn:

- How to architect DSC in any environment
- How to build configuration "scripts"
- How to segment and modularize configurations

■ TMT04 PowerShell Scripting and Toolmaking with Patterns and Practical Uses – Intermediate / Advanced

Don Jones

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

Take your PowerShell scripting to the next level – no, three levels up! – by learning to build scripts that function as reusable, modular tools. Leverage built-in shell functionality so that YOU work less, and see how to put those tools to use in practical, real-world situations like trend reporting, inventory reports, and more. A little bit of scripting or programming background can be helpful in this session, but you'll learn most of what you need – and get Don's examples to take home – in just one short session.

You will learn:

- The proper practices and patterns for building native-like tools
- How to use tools to create incredible reports
- The right way to handle errors, prepare for debugging, and more

■ TMT07 GO DARK: The PowerShell Delegated Administration Resource Kit (AKA JEA) – Intermediate / Advanced

Don Jones

Tuesday, November 18, 2:00 pm – 3:15 pm

At TechEd 2014, PowerShell inventor Jeffrey Snover introduced a new toolkit of his own design. This toolkit makes it easier for you to give administrators and users "Just Enough Administration" (JEA) for each specific task they need to complete. Using underlying PowerShell Remoting technology, this toolkit finally puts true, granular, delegated administration within reach of everyone. PowerShell expert

Don Jones will walk you through the toolkit, its underlying concepts, and key technologies. You'll not only learn how to use it to set up a delegated administration "jump" server, but also how to explain this new set of concepts to your security team back home. You no longer have to live in a world where "administrator" means "keys to the kingdom!"

You will learn:

- What delegated administration means, and what it's used for
- How to use the toolkit to define and manage delegated administration endpoints
- How to manage and monitor this new kind of administration

■ TMW07 CIM-ple Remote Management with PowerShell – Introductory / Intermediate Jeffery Hicks

Wednesday, November 19, 1:45 pm – 3:00 pm

Managing remote computers has always meant using Windows Management Instrumentation (WMI). Back in the day, that meant complicated scripts written in VBScript. PowerShell changes all of that and makes it very easy to manage 1, 10 or 1000 machines with WMI.

In this demo-packed session, you'll navigate WMI's murky and mysterious waters using Windows PowerShell. You'll explore the legacy WMI approach as well as the newer, more firewall-friendly, approach using CIM. Don't know what that means? Then don't miss this session led by Prof. PowerShell and MVP Jeff Hicks.

You will learn:

- How to configure and use CIMSessions
- How to use CIM cmdlets with legacy systems
- How to discover WMI information using CIM

Session Descriptions by Track, continued

■ **TMW10 Creating Graphical PowerShell Tools (BYOL-HOL) – Intermediate/Advanced**

Jeffery Hicks

Wednesday, November 19, 4:00 pm – 5:15 pm

Even though PowerShell is a typically viewed as a console-based tool, there may be situations where you want to put a pretty face on your scripts. In this hands-on session, PowerShell author and trainer Jeff Hicks will guide you through the steps to create your first graphical PowerShell script using WinForms and PowerShell Studio from SAPIEN Technologies. You will learn how to populate dropdowns, fill text boxes, utilize radio buttons and much more. Come prepared with your test environment and a trial copy of the latest version of PowerShell Studio. This is a hands-on session but you are welcome to simply come and take notes. All samples and demos will be made available.

You will learn:

- How to create a basic Winform script
- How to use common graphical elements such as buttons, text boxes and drop-down lists
- How to transform your PowerShell script into a graphical tool

■ **TMH01 Managing Hyper-V with PowerShell (BYOL-RA) – Intermediate**

Jeffery Hicks

Thursday, August 14, 2:00 pm – 5:00 pm

It seems you can't walk across the datacenter without tripping over some piece of virtualization software. If you run a Windows shop, more than likely that software is Microsoft Hyper-V. Even better, Windows 8 can run Hyper-V directly, giving you an instant test environment. But it doesn't matter if you need to manage a desktop Hyper-V setup or a set of corporate servers. You can do it all from your desk with Windows PowerShell.

This session, led by PowerShell expert Jeff Hicks, will have

plenty of live demonstrations showing how to manage just about everything in Hyper-V from creating new virtual machines, to managing snapshots to health reporting. If your laptop has Windows 8 or later with Hyper-V you are welcome to follow along but this is not a hands-on lab.

You will learn:

- How to manage Hyper-V virtual machines from the PowerShell prompt
- How to create a new virtual machine
- How to build Hyper-V management reports

■ **TMH04 Document Everything with PowerShell (BYOL-RA) – Intermediate**

Jeffery Hicks

Thursday, November 20, 9:30 am – 10:45 am

Face it, a major part of an IT Pro's ongoing job is to document and report. Your manager wants a monthly report showing disk utilization on a hundred different servers. Your team needs a weekly CPU utilization report for every mission-critical server. You need daily reports on every recent event log error.

PowerShell makes all of this easy. In this jam-packed session, led by PowerShell MVP Jeff Hicks, you'll learn to use key PowerShell cmdlets to get the information you need. Then, you'll learn a variety of techniques for building reports – from simple text files, to fancy HTML documents, to fully formatted Microsoft Word documents. This is not a hands-on session, but you are welcome to follow along. All of Jeff's demo scripts and samples will be shared with the group.

You will learn:

- How to prepare formatted text files
- How to create styled HTML reports that can be used on an intranet server or emailed
- How to create formatted server documentation using Microsoft Word

SYSTEM CENTER AND MICROSOFT EXCHANGE

It's getting harder to manage a Microsoft environment without System Center, and Exchange remains mission critical just about everywhere. We've assembled the best and brightest to show you how. Create automated, virtualized datacenters. Master application deployment. Maintain email availability. And automate, automate, automate! It's the dedicated, deep-dive System Center and Exchange coverage you've always wanted, and it's only at TechMentor.

■ **TMM02 Workshop: Automating Hyper-V with System Center Technologies – Intermediate / Advanced**

Greg Shields

Monday, November 17, 8:00 am – 5:00 pm

Curious about Hyper-V and System Center? Experienced with VMware and vSphere? Ready to add Microsoft virtualization to your modern datacenter?

This daylong Master Class gives you the skills to incorporate automation into the design, build, management, and operations of a Hyper-V virtual infrastructure. It delivers the training necessary to build and operate a Hyper-V virtual datacenter. In it you'll learn how Microsoft System Center 2012 R2 layers on top of Hyper-V to deliver a production-ready and highly-automated virtual environment experience.

Our morning session starts with System Center 2012 R2 Virtual Machine Manager to integrate the constituent components of a Hyper-V virtual environment, including servers, storage, networking, and clusters. You'll learn how best to create and deploy VMM building blocks like hardware profiles, guest OS profiles, and VM templates. By morning's end, you'll know everything you need for success in building your virtualized datacenter.

Session Descriptions by Track, continued

Then, in the afternoon, you'll continue with a look at automating the operation of a Hyper-V virtual datacenter using System Center technologies. You'll automate the installation of software using Server App-V and Web Deploy packages. You'll customize VMs as they're provisioned with Generic Command Execution (GCE) scripts. And you'll learn the real-world applicability of VMM Service Templates as you create services you can immediately deploy in your production environment.

Building VMs is but only the start of automation. You'll see how System Center can remediate problems automatically with the help of Orchestrator. You'll eliminate the tedious work in provisioning virtual machines by enabling self-service via App Controller and Service Manager, while protecting yourself from VM sprawl with VMM resource policies and approvals for service requests.

You will learn:

- How to build a VMM/Hyper-V environment, how to fully automate VM deployment, management, updating, and self-service
- Extend your vSphere virtualization knowledge into Microsoft's Hyper-V and VMM virtualization stack
- Why Hyper-V in combination with System Center management makes a perfect second (or first!) hypervisor for your datacenter needs



■ TMT09 System Center and the Modern Datacenter: A Tactical Briefing – Intermediate Greg Shields

Tuesday, November 18, 2:00 pm – 3:15 pm

The idea of “automation” has become a literal definition for “the modern datacenter.” You can't have one without the other. But automation in a well-oiled, production datacenter is far more than just a few PowerShell scripts. Today's datacenters demand configuration control and monitoring. They require orchestration, and they absolutely need coordination between teams of administrators.

These and the modern datacenter's other tasks are the reason for System Center's existence. System Center brings rational and measurable control to otherwise-chaotic datacenter management. More than the sum of its individual parts, System Center's components work best when they're integrated together.

Greg Shields has been working with System Center's components since before there was a System Center. He's put together a 75-minute tactical briefing on System Center's impacts to the modern datacenter: Where it fits, where it yet fails, and exactly where your IT organization needs to be. Whether you're yet to start with System Center, have implemented a few of its components, or just want to get more from your investment, attend this session and learn the System Center automation tactics that'll make you invaluable.

You will learn:

- Up-to-the-minute tactical briefing on System Center's role in your modern datacenter
- Added advantages of System Center's integration between components. With System Center, 1 + 1 can equal > 2
- Bring your questions about best practices and measurable returns on a System Center investment

■ TMW03 Automating Application Installations: An Introduction to Software Packaging & Repackaging – Introductory / Intermediate John O'Neill Sr.

Wednesday, November 19, 9:15 am – 10:30 am

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

You will learn:

- How to package and repackage software
- Understand and use custom transform files
- Snapshot installations to create custom MSI files
- Debugging MSI problems

■ TMH10 Eliminate the Regulatory Compliance Nightmare –

J. Peter Bruzzese

Thursday, November 20, 1:30 pm – 2:45 pm

Regulatory Compliance has become a real nightmare for admins, especially Exchange admins. This session will explore the problem, review the built-in tools available in Exchange/Office365 and review enterprise grade, third-party tools to turn the nightmare into sweet dreams (corny I know) for your organization.

You will learn:

- Why we need to focus on regulatory compliance
- Built-in features of Exchange 2013 and Office 365
- Existing feature gaps

Session Descriptions by Track, continued

■ **TMH13 Exchange 2013 and SharePoint 2013: Better Together** – *Intermediate / Advanced* **J. Peter Bruzzese**

Thursday, November 20, 3:00 pm – 4:15 pm

We find Exchange and SharePoint are often deployed in an environment but not necessarily configured to work with each other. This session will discuss the configuration and use of incoming/outgoing email settings, site mailboxes and Office Web Apps Server (OWAS).

You will learn:

- The value of making Exchange and SharePoint interact together
- Specific features that work together
- The configuration necessary to make these two solutions play nice

■ **TMF01 Workshop: Microsoft Exchange Boot Camp for the Accidental Exchange Administrator** – *Introductory / Intermediate* **J. Peter Bruzzese**

Friday, November 21, 8:00 am – 5:00 pm

Interested in getting started in a new direction? Or perhaps just adding on to your already impressive list of IT skills? If you are already an IT admin and grasp the concepts of Active Directory, DNS, and so forth... you are ready to enter a new world, the world of Exchange. This workshop will get you started fast so that you can become an Exchange on-premise or online expert in no time.

You will learn:

- The overall purpose of Exchange
- How to manage Exchange
- An understanding of the management tools and various key features

WINDOWS SERVER

Juice up your core Windows Server skills with some truly incredible deep-dive content. Master troubleshooting, dominate the blue screen of death, blast through performance problems. Go beyond being a mere administrator and become a true Server Guru.

■ **TMT10 Top 20 Mistakes in Microsoft Public Key Infrastructure (PKI) Deployments** – *Intermediate / Advanced*

Mark B. Cooper

Tuesday, November 18, 4:15 pm – 5:30 pm

How well designed and implemented is your Public Key Infrastructure? Enterprises around the world use Microsoft Windows based Public Key Infrastructure for digital certificates. However, most environments make the same mistakes. Learn what the most common mistakes are and how you can mitigate them.

This session will be based on new/exclusive content created for this conference. Borrowing from over 10 years of designing, assessing and remediating Public Key Infrastructures around the world, a common theme emerges. As the creator of the Microsoft PKI Health Check, it was my job to access and analyze PKI environments around the world.

This content is based on the most common mistakes that were seen at customer after customer. The common threads were amazingly clear and often time were easy to remediate.

I will focus on providing real world examples, means to identifying the risks and tools and processes to correct these errors. Without these fixes, audience members face service disruptions, security compromises and integrity issues in their authentication systems.

You will learn:

- Awareness of common security risks with Microsoft PKI
- Action items and remediation solutions for common

deployment mistakes

- Presentation of risks associated with PKI in a Microsoft AD environment
- Impact on HSPD-12 and PCI compliance with PKI deployment mistakes

■ **TMW02 Managing Infrastructure Migrations at Windows Server's End-of-Life** – *Intermediate / Advanced*

Rick Claus

Wednesday, November 19, 9:15 am – 10:30 am

Are you still supporting infrastructure from 2003? Are you one of those IT Pros that think "If ain't broke, don't fix it?" I'm sorry to say that End of Life (EOL) is approaching fast (July-2015). Join us in a session where we'll dig into the process of migrating your infrastructure to the latest OS. This demo-intensive session will cover how to migrate various workloads and foundation services like DHCP, DNS, File/Print and more. Migrating is just the beginning; ongoing management will also be covered. Like the song says, "it's the end of the world as we know it." But you'll be fine.

You will learn:

- Understand what outdated infrastructure services should be migrated to a more modern and up to date version running on Windows Server 2012 R2
- The safest way to migrate your infrastructure workloads
- To prepare for the next phase of your infrastructure working in a hybrid world

"I liked all the topics and wished I could have been in two sessions at the same time."

- Bill Bailey, IT Manager, Vice President, Farmers Bank

Session Descriptions by Track, continued

■ **TMW05 Everything You've Needed to Know about Windows Scale Out File Server** – *Intermediate / Advanced*

Rick Claus

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

Storage and SANs are probably the Biggest portion of your annual IT budget. Like your closet or garage at home, it is never big enough and it's time to expand. Have you reached the point where yet another SAN is required for your IT Infrastructure? Have you considered how enterprise class commodity storage paired up with new features of Windows Server 2012 R2 can get you the best performance per dollar without having to spend massive amounts of money on your favorite SAN manufacturer? See how you can solve your storage issues while simplifying their overall administration with the use of standard tools powered by PowerShell, System Center and even in-box tools. Discover how these technologies enable new hardware designs like Cluster-In-A-Box and how they can power your hyper-v and SQL workloads for a fraction of the cost (and headache) of traditional block storage.

You will learn:

- Demystify Block Level Storage (SANs) and what they really are
- Design your own highly available SMB3 based scale out file server to service your virtualization and SQL workloads
- Architect storage solutions using new hardware platforms like Cluster-In-A-Box solutions for maximum IO/ps while minimizing spend

“I can't praise TechMentor enough. I plan on sending others from my department. BEST VALUE FOR AN IT CONFERENCE!”

– *Brant Davidson, Director of Management Information Systems, International School of Zug and Luzern*

■ **TMH09 How to Build a Perfect File Server with Windows Server – Intermediate**

Sami Laiho

Thursday, November 20, 11:00 am – 12:15 pm

Join Sami Laiho in this session to learn how to build a perfect file server. We will cover important topics such as DFS, Access Based Enumeration and correct use of groups in Active Directory that are all applicable to Server 2003 SP1 and up. We will review some newer techniques like Dedup and Dynamic Access Control as well but everything in this session is of most interest to anyone running or designing a Windows file server. You can administer thousands of servers and their shares easily with only using AD Users and Computers or AD Administrative Center and never visit the servers. Do this correctly once and save thousands of hours of using the ADIDAS protocol!

You will learn:

- How to build AD users and groups wisely for giving out permissions to shares
- How to save money using Storage Spaces, DFS, ABE, DAC etc.
- How administer file servers wisely

■ **TMH12 Oh Snap! Active Directory Attribute-level Recovery when the AD Recycle Bin Cannot Help – Intermediate / Advanced**

Ashley McGlone

Thursday, November 20, 1:30 pm – 2:45 pm

Have you ever repopulated a batch of attributes for a large set of users due to a configuration or scripting error? (Think Exchange and Lync.) The Active Directory Recycle Bin is great for recovering deleted objects but not corrupted objects. Authoritative restore is the textbook option, but there is a better way. Yes, you can buy expensive third-party products to do this, or you can use the free features in the box to build your own attribute-level recovery solution for Active Directory on Windows Server 2008 and above. Come find out how in this session.

You will learn:

- How to leverage the Windows Server 2008 feature for Active Directory snapshots
- How to mount and explore snapshots using NTDSUTIL and PowerShell
- How to recover attribute data from a snapshot back into production

■ **TMH14 Migrating Your Windows Failover Clusters - Is Now the Right Time to Upgrade?** – *Intermediate*

Bruce Mackenzie-Low

Thursday, November 20, 3:00 pm – 4:15 pm

Let's face it, you've been putting off upgrading your Windows Failover Clusters because you finally got them working and you don't want to break a thing. You're not alone! Many companies are still running Windows Server 2003 and 2008 failover clusters for that very reason.

Fear not! Join Bruce Mackenzie-Low as he explores the differences between the Failover Cluster versions and what features are worth your while to upgrade. Is Windows Server 2012 R2 really just SP1 for 2012? Learn what to consider when migrating your cluster and the best industry practices for accomplishing the job. Leave this session with the confidence you'll need to make a smooth transition to your next version of Windows clusters.

You will learn:

- Best practices for migrating Windows failover clusters
- Compelling reasons and features to upgrade
- Common pitfalls to avoid for a smooth transition

Session Descriptions by Track, continued

■ **TMH15 Migrate GPOs from One Domain / Forest to another Using PowerShell** – Intermediate / Advanced

Ashley McGlone

Thursday, November 20, 3:00 pm – 4:15 pm

Do you need to copy your GPOs into a lab environment for testing or migrate them to another environment due to an acquisition, merger, or divestiture? There are VBScripts provided with the GPMC, but that is so “last decade”. What about WMI filters, OU links, and embedded credentials? Come see a demo using PowerShell to do this with speed and style. You’ll walk away knowing the pitfalls, preparations, and scripts for a successful GPO migration.

You will learn:

- How to identify the GPOs, links, and dependencies in your environment
- How to convert specific accounts and paths to the target domain
- Helpful cmdlets in the Group Policy PowerShell module
- Real world stories of lessons learned to save you time



ADVANCED WINDOWS NETWORKING

This TechMentor can’t focus on back-end infrastructure without a nod to back-end networking. Plenty is changing these days, not just with network security, but with core networking itself. Join us for some ridiculous deep dives into the IPv6 and VPN technologies your network needs for connecting everything to everything else.

■ **TMT03 Creating an Everywhere LAN Without the Hassle Using DirectAccess** – Introductory / Intermediate

John O’Neill Sr.

Tuesday, November 18, 9:30 am – 10:45 am

The mobile workforce is growing larger by the day. Windows 8.x and Windows Server 2012 provide many technologies to enable and empower these employees! This session will provide a crash course into deployment of DirectAccess the quick and easy way. Accomplish DA success by taking advantage of the many improved remote access and mobility features of Windows 8.x and Server 2012!

You will learn:

- Why DirectAccess is better than conventional VPNs
- How Windows 8.x and Windows Server 2012 simplify DirectAccess
- Deploy DirectAccess with only a single network adapter and NO complicated certificate management
- Creating exemptions in the NRPT rules

■ **TMW01 Managing and Deploying BYOD Identity Solutions with a Microsoft PKI** – Intermediate / Advanced

Mark B. Cooper

Wednesday, November 19, 9:15 am – 10:30 am

Microsoft provides an enterprise class Certification Authority, but how do you extend it for BYOD scenarios? The need to integrated BYOD into corporate VPN, Wireless and Secure Email presents a number of challenges. This session will address the core issues, Microsoft solutions as well as third-party providers.

This session will review the certificate needs of the common enterprise environment with specific focus on BYOD. The current challenges in utilizing Microsoft Certificate Services for these devices will be reviewed. Solutions will be offered based on current Microsoft options as well as third-party providers.

Special emphasis will be on the management, issuance and security issues with BYOD. Topics will include how to effectively manage an AD environment after a BYOD compromise and how to deal with built-in latency issues with Windows based PKI. I will also cover the vulnerabilities and risks to an enterprise when BYOD is not managed properly.

You will learn:

- Demonstrate current enterprise issues with BYOD certificate management
- Assess security and threats associated with BYOD and non-certificate identities
- Provide solutions and roadmap for incorporating BYOD in a Microsoft PKI environment

“The size gives us opportunities to be heard. Also, the speakers were top notch. I enjoyed seeing the ones you selected.”

– Dan Romanski, ECU

Session Descriptions by Track, continued

HYBRID CLOUD AND VIRTUALIZATION

Okay, so you're not "doing the cloud." Fine. But you have to admit the cloud does some cool stuff, like automatically provisioning complex new services entirely on-demand. Why not soak up some of that awesomeness into your own environment and ease your life? With our "hybrid cloud" and virtualization content, you'll be able to do just that. You'll also be able to better manage your entire virtual infrastructure, no matter who's hypervisor you love, with sessions on storage and more.

■ TMM01 Workshop: Microsoft Office 365: The Bootcamp – Intermediate / Advanced Andy Malone

Monday, November 17, 8:00 am – 5:00 pm

Microsoft Office 365 is evolving! In this 1 day Bootcamp you will witness the next generation of collaboration and productivity. Step up as we discuss not only these new technologies but also the potential opportunities they bring. From initial setup this course takes you through all the features from administration and deployment to integration, co-existence, migration and troubleshooting. We also look at the products themselves include SharePoint, Exchange & Lync.

This intensive 1 day Bootcamp prepares you with real world tangible skills that you will be able to use today. The purpose of this Bootcamp is to fast-track through the maze of technology and get straight to the point. Practical, focused and intense, this workshop gives delegates the opportunity to roll up their sleeves and get their hands dirty! Bring a portable HDD for lots of extras!

This workshop is designed for experienced IT Professionals who already have a good grounding in Active Directory,

DNS and the core products who want to transition their skills to the cloud. Skills learned will include the ability to administer, configure, manage and troubleshoot the next generation of cloud based collaboration platform.

■ TMT02 Automating vSphere with VMware Orchestrator, Part 1 – Advanced

Greg Shields

Tuesday, November 18, 9:30 am – 10:45 am

You're experienced with VMware vCenter Server. You've built virtual machines and VM templates, and you're managing the everyday activities of your virtualized datacenter. But with vCenter Server alone, how much manual effort is required to get through your everyday tasks? How many extra steps are still required to fulfill each new request?

Take the next step in automating your virtualized datacenter with a VMware solution that you might not know you already own: VMware Orchestrator. With a little effort, this surprisingly-powerful little tool will quickly bring big changes to how your datacenter operates.

Join Greg Shields of Concentrated Technology in a two-part exploration of VMware Orchestrator. You'll learn how best to complete its quirky installation. You'll gain experience in navigating its sometimes challenging management interface. You'll see how workflows are constructed and presentation elements are configured to constrain requests to just the configurations you define. You'll integrate Active Directory actions and invoke PowerShell commands, and leave this advanced-level workshop with a production-ready self-service solution that can automate just about anything your virtualized datacenter needs.

You will learn:

- Add workflow automation to vCenter Server
- Extend workflows and automation objects to administrators and non-administrators
- Create an environment of managed self-service for common requests

■ TMT05 Automating vSphere with VMware Orchestrator, Part 2 – Advanced

Greg Shields

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

You're experienced with VMware vCenter Server. You've built virtual machines and VM templates, and you're managing the everyday activities of your virtualized datacenter. But with vCenter Server alone, how much manual effort is required to get through your everyday tasks? How many extra steps are still required to fulfill each new request?

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You will learn:

- Add workflow automation to vCenter Server
- Extend workflows and automation objects to administrators and non-administrators
- Create an environment of managed self-service for common requests

Session Descriptions by Track, continued

■ TMT08 Using Microsoft Azure for Easy, Secure, Off-Site Backup – *Introductory / Intermediate*

John O'Neill Sr.

Tuesday, November 18, 2:00 pm – 3:15 pm

In the Information Age, data is king. Nothing will ruin an IT Pro's day faster than losing important data because a backup was corrupt, incomplete, or non-existent. Recovery needs to occur quickly, but at the same time backups need to be protected by storing them off-site. With Microsoft Azure as a backup target, organizations can rest assured their data is safely stored away from the datacenter, but can still be recovered quickly. The days of shuttling tapes to a safety deposit box or off-site DC are over! In this in-depth session, learn exactly what it takes to backup in-house data to Microsoft Azure quickly and easily.

You will learn:

- When to use Microsoft Azure Backup and when not to
- How Microsoft Azure provides reliable, off-site data storage
- How to backup a Windows server to Microsoft Azure
- Use standard Windows tools to manage Microsoft Azure backups

■ TMT11 Integrating Office 365 with Active Directory, Step-by-Step – *Intermediate*

John O'Neill Sr.

Tuesday, November 18, 4:15 pm – 5:30 pm

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

You will learn:

- Integrating on premise AD with Microsoft Azure AD, step by step
- Using the synchronization tools including PowerShell
- Office 365 Portal administrator roles
- Single sign on with Office 365

■ TMW04 Securing Cloud Servers and Services with PKI Certificates – *Intermediate / Advanced*

Mark B. Cooper

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

The era of cloud computing is here, but less defined is how enterprises are maintaining control of security and identities. The use of hybrid PKI solutions enables environments to protect not only their internal servers, but also protect cloud hosted services. In this session, we will explore the options available today that give you maximum control and security across both environments.

Whether you are using private cloud services, shared Microsoft Azure or other providers, you are faced with the question of how to secure data and identities. The majority of best practices and design guides offer little if any detail on how to incorporate and protect cloud hosted services.

This session will explore the security deficiencies and security risks in current cloud implementations. I will also provide several designs and implementations that can be leveraged to protect the enterprise.

You will learn:

- Understand the challenges to integrating cloud servers into a PKI
- Extend and leverage corporate managed PKI for services in the cloud
- Assess cloud offerings and solutions for cloud based certificates

■ TMW11 Building a Better VDI Image: Best Practices from Microsoft – *Intermediate / Advanced*

Jeff Stokes

Wednesday, November 19, 4:00 pm – 5:15 pm

In this session, we'll cover image creation of VDI guests, considerations of application virtualization for thin provisioning images and also how to baseline performance of builds to watch for problem applications before they impact production.

You will learn:

- VDI Image Creation
- Application Virtualization Considerations
- Baselining Performance of VDI Images

JACK OF ALL TRADES

Why not take your resume in a couple of new directions? Conquer IIS (which is basically a pre-requisite for half of Microsoft's server products) and SQL Server (the pre-requisite for the other half). Sharpen your tech writing and communication skills. Let TechMentor help you climb a rung up the ladder by broadening your potential!

■ TMT12 Career Strategies for IT Professionals: A Roundtable Discussion and Q&A – *Introductory*

Don Jones, Greg Shields

Tuesday, November 18, 4:15 pm – 5:30 pm

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

Session Descriptions by Track, continued

Join Greg Shields and Don Jones of Concentrated Technology, along with other TechMentor attendees in this roundtable discussion and Q&A on career strategies for IT professionals. With nearly 40 years of combined experience in Information Technology, Don and Greg have served in nearly every role in the IT professional's career path. They'll share their experiences in this interactive session.

But even more important than Don and Greg's war stories are those of your own. Bring your experiences, your questions, and most importantly your concerns to this group conversation. Together, we'll shed light on the career strategies that are working – and those that aren't.

You will learn:

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

■ TMW08 Troubleshooting the Windows Client, an Introductory Clinic – Intermediate / Advanced

Jeff Stokes

Wednesday, November 19, 1:45 pm – 3:00 pm

Level 3-400 troubleshooting session centered on Windows Performance Toolkit (WPA/WPR), Process Monitor and Explorer, and IE F12 tracing.

We'll walk through best practices of client troubleshooting with these tools, including how to recovery data from encrypted machines. Diagnostic boot media with DaRT from MDOP will be explored as well.

You will learn:

- Become conversant in the use of several different troubleshooting suites of tools
- Understand how to easily pre-configure systems for monitoring and troubleshooting
- About client wellness and reliability standards and best practices

■ TMH02 Building a Secure and Cost-Effective BitLocker – Intermediate / Advanced

Sami Laiho

Thursday, November 20, 8:00 am – 9:15 am

Security is always a compromise between security, usability and cost. With BitLocker you can build a usable and secure implementation that's included in the price! Sami has been implementing BitLocker in hundreds of companies and in this session, he will show you how to use BitLocker effectively in Windows 7 and 8.1 environments. Did you know that with 8.1, Microsoft actually suggests that a secure BitLocker be built without any PIN code or a USB stick? In this session, you will see how to implement encrypted OS drives and USB sticks for different security levels. Microsoft often says you need MDOP licenses to get MBAM for BitLocker to be administered effectively but Sami disagrees. Sami will show you how to change PIN codes without Admin rights on Windows 7 and how to build a BulletProof BitLocker in Windows 8.1 without the PIN code in the first place.

You will learn:

- How to build a bulletproof BitLocker implementation and how to effectively manage it
- How to make BitLocker in Windows 7 easier to manage
- How to troubleshoot BitLocker

■ TMH03 Improve Your Tech Writing Skills: Lessons from a Professional Author – Introductory

Don Jones

Thursday, November 20, 8:00 am – 9:15 am

If you're a highly skilled IT pro, the best way to stand out in the tech community is to share your knowledge. Speaking at industry conferences such as TechMentor is one option. Writing also offers numerous avenues for sharing what you know or persuading an audience to adopt a proposal. Doing this effectively is a great way to advance your career. Another way honing your writing can be put to good use is by publishing your ideas and expertise. There are many paths to accomplish this. Blogging is one but if you want

to establish yourself as a credible authority, you must have something interesting to say and it must be well-written. Yet another option is writing in-depth white papers or articles focusing on technical issues or how to tackle a specific problem, whether it's managing people or how to configure or debug a system.

Whether you want to write short blogs or descriptive tutorials, this session will explore how to develop and research an idea and will offer tips for how to pull together quality editorial pieces. A focus on quality writing is critical. Poorly written material will distance you from your audience and in the case of proposals it will alienate key stakeholders, decision makers and management.

You will learn:

- How writing and publishing can help you enhance your career
- Common mistakes writers often make and the fallout of those errors
- Tips to improve your writing and make it more interesting

■ TMH05 The Real-World Guide to Upgrading your IT Skills AND Your Infrastructure, Part 1 – Intermediate / Advanced

Rick Claus

Thursday, November 20, 9:30 am – 10:45 am

Self-proclaimed "Server Hugger" Rick Claus will take you along his journey of how he overcame his apprehension of Cloud technologies to level up his IT Skills. In other words, bringing clarity to the role of the IT Professional in a cloud world. This two part demo heavy session provides practical real world examples of how to replicate and extend an existing on-premise infrastructure to the next generation of Server and Cloud — opening the door to simple, predictable and scalable IT solutions that put the IT Professional back in control.

Part One: Leverage your current IT Skills to tackle the big challenges of getting up to date and virtualizing one of the most important workloads (Active Directory) safely in

Session Descriptions by Track, continued

a virtualized lab environment. Once up to date, it's time to migrate and test existing or new workloads

You will learn:

- To build a replica of your existing work environment for lab/test and migration purposes
- Identify your existing on-premises skills and how they translate to a public IaaS (Infrastructure as a service) cloud offering like Microsoft Azure
- Replicate your environment to IaaS on Microsoft Azure

■ **TMH07 Discussing the Future of Desktop Administration: Are Configuration Manager's Days Numbered? – Intermediate / Advanced**

Don Jones, Greg Shields

Thursday, November 20, 11:00 am – 12:15 pm

There is every potential for a wholesale change in desktop administration a'comin'. Technologies like PowerShell Desired State Configuration and OneGet are only now being revealed, and the capabilities they suggest could spell the death knell for IT's traditional desktop management tools.

This desktop revolution might be a long time coming, but now is the time to prepare. Could today's command line be tomorrow's Configuration Manager? Join Don Jones and Greg Shields of Concentrated Technology in this interactive session on the future of desktop administration. You'll see a few early details of PowerShell's DSC and OneGet capabilities, and explore directly where your future learning might be best directed. Bring thoughts, questions, and concerns to this interactive session on desktop administration's future.

You will learn:

- About PowerShell's new Desired State Configuration and OneGet functionalities
- Discover how OneGet repositories might be useful in the future
- Understand the role of System Center and Configuration Manager in the future

■ **TMH08 The Real-World Guide to Upgrading your IT Skills AND Your Infrastructure, Part 2 – Intermediate / Advanced**

Rick Claus

Thursday, November 20, 11:00 am – 12:15 pm

Self-proclaimed "Server Hugger" Rick Claus will take you along his journey of how he overcame his apprehension of Cloud technologies to level up his IT Skills. In other words, bringing clarity to the role of the IT Professional in a cloud world. This two part, demo heavy session provides practical real world examples of how to replicate and extend an existing on-premise infrastructure to the next generation of Server and Cloud — opening the door to simple, predictable and scalable IT solutions that put the IT Professional back in control.

Find out the real world difference between using your own big room of blinky lights or extending to the cloud

You will learn:

- How to create a Hybrid Environment to connect your on-premises infrastructure to Microsoft Azure
- Evolve out of traditional VMs on IaaS (Infrastructure as a Service) to PaaS (Platform as a Service) for key workloads
- Transition your on premises identity to a federated or synchronized PaaS offering in order to extend to other cloud services

■ **TMF02 Workshop: Windows Troubleshooting DEEP DIVE – Intermediate / Advanced**

Bruce Mackenzie-Low

Friday, November 21, 8:00 am – 5:00 pm

Buckle your seat belts and prepare yourself for an inspiring full day adventure of advanced Windows troubleshooting with Industry expert Bruce Mackenzie-Low as your guide. Slay the toughest Windows outages with confidence as you learn how to analyze BSODs, server hangs, and performance issues. Leverage free, state-of-the-art tools from Microsoft including the Windows Debugger and the Windows Performance Toolkit for executing your in-depth analysis.

Gain hands-on experience with your own laptop as you practice labs with proven techniques for resolving crashes and hangs. Running Windows 7 or later, your laptop should have at least 2GB of free disk space for installing tools and labs. Power strips will be available in the room.

You will learn:

- Best practices for analyzing Windows crashes, hangs and performance issues
- Gain hands-on experience with proven techniques for troubleshooting complex outages
- Install the latest free tools from Microsoft ready to take back to your office



“Unique, fun way of teaching. Enjoy more guidance and concepts and ways of doing things differently vs. line by line technical.”

- David Bishop, Lone Star College System

Agenda At-A-Glance (Sunday, Monday & Tuesday)

What sets Modern Apps Live! apart is the **singular topic focus**; sessions build on each other as the conference progresses, leaving you with a holistic understanding of modern applications, which means a complete picture of what goes into building a modern app for Windows 8, iPad, and Windows Phone 8 devices that all interact with state-of-the-art backend services running in public or private clouds.

START TIME	END TIME	SUNDAY November 16, 2014: Modern Apps Live! Pre-Conference
4:00 PM	9:00 PM	EXPO Preview
6:00 PM	9:00 PM	Dine-A-Round Dinner @ Universal CityWalk
START TIME	END TIME	MONDAY, November 17, 2014: Modern Apps Live! Pre-Conference Workshop
8:00 AM	5:00 PM	MAM01 - Workshop: Modern App Technology Overview - Android, iOS, Cloud, and Mobile Web - <i>Nick Landry, Kevin Ford, & Steve Hughes</i>
5:00 PM	6:00 PM	EXPO Preview
6:00 PM	7:00 PM	Live! 360 Keynote: To Be Announced
START TIME	END TIME	TUESDAY, November 18, 2014: Modern Apps Live! Day 1
8:00 AM	9:00 AM	Modern Apps Live! Keynote: To Be Announced
9:00 AM	9:30 AM	Networking Break • Visit the EXPO
9:30 AM	10:45 AM	MAT01 - Defining Modern App Development - <i>Rockford Lhotka</i>
11:00 AM	12:15 PM	MAT02 - Modern App Architecture - <i>Rockford Lhotka</i>
12:15 PM	2:00 PM	Lunch • Visit the EXPO
2:00 PM	3:15 PM	MAT03 - ALM with Visual Studio Online (TFS) and Git - <i>Brian Randell</i>
3:15 PM	4:15 PM	Networking Break • Visit the EXPO
4:15 PM	5:30 PM	MAT04 - Reusing Business and Data Access Logic Across Platforms - <i>Kevin Ford</i>
5:30 PM	7:30 PM	Exhibitor Reception

**“The range and diversity of the sessions.
Modern Apps Live is a great concept!”**

– Carlos Sarmiento, Developer, Legal Pro Systems

Agenda At-A-Glance (Wednesday, Thursday & Friday)

START TIME	END TIME	WEDNESDAY, November 19, 2014: Modern Apps Live! Day 2
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced
9:15 AM	10:30 AM	MAW01 - Coding for Quality and Maintainability - Jason Bock
10:30 AM	11:00 AM	Networking Break • Visit the EXPO
11:00 AM	12:15 PM	MAW02 - UX Design for Modern Apps - Anthony Handley
12:15 PM	1:45 PM	Birds-of-a-Feather Lunch • Visit the EXPO
1:45 PM	3:00 PM	MAW03 - Applied UX: iOS, Android, Windows - Anthony Handley
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.
4:00 PM	5:15 PM	MAW04 - Leveraging Azure Services - Kevin Ford
8:00 PM	10:00 PM	Live! 360 Evening Event
START TIME	END TIME	THURSDAY, November 20, 2014: Modern Apps Live! Day 3
8:00 AM	9:15 AM	MAH01 - Analyzing Results with Power BI - Steve Hughes
9:30 AM	10:45 AM	MAH02 - Building a Native iOS App - To Be Announced
11:00 AM	12:15 PM	MAH03 - Building an Android App with Xamarin - Nick Landry
12:15 PM	1:30 PM	Lunch on the Lanai
1:30 PM	2:45 PM	MAH04 - Building a Windows App - Brent Edwards
3:00 PM	4:15 PM	MAH05 - Building a Responsive Single Page App - Allen Conway
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up - Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka
START TIME	END TIME	FRIDAY, November 21, 2014: Modern Apps Live! Post-Conference Workshop
8:00 AM	5:00 PM	MAF01 - Workshop: Modern App Development In-Depth: iOS, Android, Windows, and Web - Brent Edwards, Anthony Handley, & Allen Conway

Speakers and sessions subject to change

Session Descriptions

MAM01 Workshop: Modern App Technology Overview - Android, iOS, Cloud, and Mobile Web

– *Introductory*

Nick Landry, Kevin Ford, & Steve Hughes

Monday, November 17, 8:00am – 5:00pm

The Modern Apps Live! conference covers the “how and why” modern apps are built with various technologies. If you haven’t built apps for iOS (iPhone, iPad), Android, Xamarin, CSLA, TypeScript, or AngularJS, then this workshop is for you. This workshop is designed as a crash course for beginners who want to understand the basics of these technologies. We highly recommend it for attendees of the Modern Apps Live! conference because the content in the later conference sessions assumes you have at least some understanding of the technologies presented in this session. When you leave you’ll have an understanding of the development options and core techniques for each platform so you’ll be ready to build compelling modern apps.

MAT01 Defining Modern App Development

– *Intermediate*

Rockford Lhotka

Tuesday, November 18, 9:30 – 10:45am

We’re rapidly moving into the era of “modern apps”, where users expect a more intuitive, productive, and compelling experience from their computers and devices. Moreover, they expect a similar app experience on their phone, their tablet, and their computer; all of which is transparently supported by a cloud-based infrastructure (public or private) so that the app has their data and settings everywhere they go. In this session, you’ll see how and why Modern Apps is so important to you and your users, and you’ll understand the high level process for designing and building this type of app.



“I really liked the cohesive feel of Modern Apps Live! Especially the way a single application was built and referred to in all sessions in the track. Brilliant!!”

– *Chad Heyes, Fiserv*

MAT02 Modern App Architecture

– *Intermediate*

Rockford Lhotka

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

There’s a lot of technology involved when architecting and developing modern apps. Somehow you need an architecture that can support multiple disparate client operating systems and platforms, and yet hopefully take advantage of a set of services. Balance that against the desire to reuse as much code as possible between clients and the server and architecture becomes a serious challenge. In this session, you’ll see several options for modern app architecture with discussion about the pros and cons of each.

MAT03 ALM with Visual Studio Online (TFS) and Git – Intermediate

Brian Randell

Tuesday, November 18, 2:00 – 3:15pm

This session gets you started on the right foot by walking through the process of setting up a project in Visual Studio Online (TFS), including the use of source control (TFS or git), staffing, reporting, and requirements gathering. You will also learn how to establish effective Visual Studio solution and project organization to support a robust enterprise application architecture. Leaving this session, you’ll not only be able to set up your own TFS and Visual Studio projects, but you’ll understand how to use Visual Studio Online to gather and manage requirements and the overall project lifecycle.

MAT04 Reusing Business and Data Access Logic Across Platforms – Intermediate

Kevin Ford

Tuesday, November 18, 4:15 – 5:30pm

Modern App development can be extremely expensive and

Session Descriptions, continued

complex. An important way to control that complexity and cost is to reuse as much business and data access as possible across all the platforms you choose to support. In this session, you will learn how to organize server-side logic for reuse across various platforms, including the use of technologies such as Entity Framework. You will also learn how to use technologies such as Xamarin and CSLA .NET to reuse much of your client-side business logic across platforms.



MAW01 Coding for Quality and Maintainability – Intermediate

Jason Bock

Wednesday, November 19, 9:15 – 10:30am

Cost-effective enterprise software development requires the entire team to be focused on ensuring quality is present right from the beginning and at every step in the process. Much of this work involves some form of testing to verify the application works as expected. In this session, you will learn how to implement effective strategies using mocking and unit testing for your modern app code across various operating systems and platforms. Even the most basic code testing regimen provides amazing value to any software development effort, and you owe it to yourself and your organization to get started, or to continually improve your existing process.

MAW02 UX Design for Modern Apps – Intermediate

Anthony Handley

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

Although quality business and data layers are critical to any application, the user sees and interacts with the application through its user interface. The user experience for all applications has become increasingly important over the years, and modern applications have set a high bar for even the simplest app. Modern apps have set a higher bar in terms of productivity, aesthetics, platform integration, and usability than the apps most of us have built throughout our careers. In this session, you will learn some new ways of thinking

that will enable you to reimagine application development, and techniques you can apply as you design your own modern apps.

MAW03 Applied UX: iOS, Android, Windows – Intermediate

Anthony Handley

Wednesday, November 19, 1:45 – 3:00pm

Each of the major device platforms has its own set of UX gestures, features, and user expectations. Yet do you really want to implement a different user experience for each phone, tablet, and desktop computing scenario? That could leave you implementing and maintaining your UI layer as many as 7 times! Learn when and how to reuse UX concepts across platforms, and when you really do need to provide a custom implementation for one or more platforms or device types.

MAW04 Leveraging Azure Services – Intermediate

Kevin Ford

Wednesday, November 19, 4:00 – 5:15pm

Microsoft Azure provides powerful support for modern app development, covering the needs of mobile and enterprise development efforts. In this session, you will learn how to take advantage of several Azure services, bringing them all together to support a modern app that includes mobile, web, and BI features. The features discussed include blob storage, SQL Server, Mobile Services, and Web Sites.

“Modern Apps Live! was my favorite. The topics chosen for that were nice and the speakers did justice in presenting them.” – Anvit Sinha, Centric Group

Session Descriptions, continued

MAH01 Analyzing Results with Power BI – Intermediate

Steve Hughes

Thursday, November 20, 8:00 – 9:15am

In today's world, users increasingly expect the data collected by their apps to be available for analysis in rich and flexible ways. SQL Server 2012, along with SharePoint and Excel 2013 (via PowerPivot and PowerView). In this whirlwind session, you'll learn the basic thinking behind design and implementation of a data mart or data warehouse, and how to establish a data model for analysis. You'll also see how PowerPivot and PowerView work to enable flexible access and analysis of enterprise data.

MAH02 Building a Native iOS App – Intermediate

To Be Announced

Thursday, November 20, 9:30 – 10:45am

Back-end business, data, application, and mobile services can be used to support applications built for the iPhone and iPad devices running Apple's iOS platform. In this session, you'll learn how to implement a mobile iPad application that provides a comparable user experience, while leveraging the same back-end code that supports Windows, Android, and JavaScript clients.

MAH03 Building an Android App with Xamarin – Intermediate

Nick Landry

Thursday, November 20, 11:00am – 12:15pm

Android is a popular development target for modern apps, providing usability on phones and tablets. Xamarin is a powerful toolset that allows developers to write native Android (and iOS) apps using C#. The one area where Android is unique is in the UI design and implementation, but even there Xamarin allows the code controlling the UI

to be written in C#. In this session, you'll learn how to build an Android client app that makes use of the same business logic as a WinRT (Windows 8 or Windows Phone 8.1) client app, as well as leveraging the same back-end services as the Windows, iOS, and JavaScript clients.

MAH04 Building a Windows App – Intermediate

Brent Edwards

Thursday, November 20, 1:30 – 2:45pm

This session will walk through the software design and implementation choices and details involved in building a modern app for Windows 8 and Windows Phone using C# and XAML. The future of the .NET platform lies in WinRT, not only for store apps but also for business apps, and this session will provide you with the knowledge necessary to start down the path toward WinRT development. Not surprisingly, you'll learn how this client can leverage the same client-side business logic as the Xamarin Android client, and the same server-side services as all the other client implementations.

MAH05 Building a Responsive Single Page App – Intermediate

Allen Conway

Thursday, November 20, 3:00 – 4:15pm

Single Page Applications (SPAs) built with HTML5 and JavaScript (or TypeScript) are increasingly popular. These apps run in a modern browser and provide the user with a rich smart client experience that is generally consistent across different browsers and platforms. In this session, you'll learn what's involved in implementing an SPA using modern JavaScript frameworks, TypeScript, and HTML5. You'll also learn how to make an SPA responsive so it supports all device types from small phone screens to full-size desktop monitors. You will also learn how to build an SPA to take advantage of existing back-end services that support Windows, Android, and iOS clients.

MAF01 Modern App Development In-Depth: iOS, Android, Windows, and Web – Intermediate

Brent Edwards, Anthony Handley, & Allen Conway

Friday, March 14, 8:00am – 5:00pm

The Modern Apps Live! conference content focused a lot on the tradeoffs and choices involved in designing and building a modern app. This workshop dives deep into the technology behind those choices and the way they are used to implement the MyVote demo app used in the conference. This is a no-holds barred deep dive into the design and implementation of modern apps, from the app server to the mobile services to each client app technology. You'll learn about Azure cloud services, web sites, mobile services, SQL, and storage. You'll learn about Xcode and iOS development, and Xamarin for Android development. Through it all you'll learn about user experience and design and how important the UX is to success modern apps.

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Michael Desmond
Editor in Chief, MSDN Magazine

Michael Desmond is editor in chief of MSDN Magazine, Microsoft's flagship publication for software developers working with Microsoft tools and technologies. A 20-year veteran in IT and technology publishing, Desmond was an editor at *PC World* magazine for six years before launching an editorial consultancy that did work for leading technology firms like IBM, Intel and Sun Microsystems.



Jeffrey Schwartz
Editor, Redmond Magazine

Jeffrey Schwartz is the editor of 1105 Media's *Redmond* magazine, an editor-at-large and columnist for *Redmond Channel Partner* magazine, and author of a blog covering enterprise cloud computing called *The Schwartz Cloud Report*. Earlier in his tenure with the Enterprise Computing Group of 1105 Media, he held senior editorial positions with *Application Development Trends*, *Visual Studio Magazine* and *Redmond Developer News*. He has covered all aspects of enterprise IT for more than two decades and has spent much of that time writing about mobile computing technology. Before joining 1105 Media's Enterprise Computing group, he held several senior editorial roles with such publications as *VARBusiness* (now part of *CRN*), *InternetWeek* and *CommunicationsWeek*.



Keith Ward
Editor in Chief, Virtualization Magazine

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



Lafe Low
Editor, Live! 360 Events

Lafe Low has been a technology editor and writer for more than 25 years. Most recently, he was the editor in chief of *TechNet* magazine. He has also held various editorial positions with *Redmond* magazine, *CIO* magazine and *InfoWorld*. He also launched his own magazine entitled *Explore New England*, and has published four editions of his guidebook *The Best in Tent Camping: New England*.



Michael Domingo
Editor-in-Chief, Visual Studio Magazine

Michael Domingo is Editor in Chief of *Visual Studio Magazine*. He's been a technology journalist for more than 20 years, covering database management systems, technology certifications, and the breadth of Microsoft development and networking tools over those years. You can find him on Twitter @domingophoto.



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Andrew Brust

*Research Director, Gigaom Research
SQL Server Live! Conference Co-Chair
Visual Studio Live! Conference Co-Chair*

Andrew Brust is Research Director for Big Data and Analytics at Gigaom Research. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; co-moderator of Big On Data - New York's Data Intelligence Meetup; serves as Microsoft Regional Director and MVP; and writes the Redmond Review column for VisualStudioMagazine.com.



Andrew Connell

*Consultant, Instructor, Developer, & Author
SharePoint Live! Conference Co-Chair*

Andrew Connell is an independent consultant that enjoys development, writing & teaching. He has a background in content management solutions and Web development that spans back to his time as a student at the University of Florida in the late 1990's managing class websites. He has consistently focused on the challenges facing business today to maintain a current and dynamic online presence without having to rely constantly on Web developers or have a proficiency in Web technologies. You can find Andrew on his blog (<http://www.andrewconnell.com>), follow him on Twitter@andrewconnell or email him at me@andrewconnell.com.



Don Jones

*Author / Evangelist, PluralSight
SQL Server Live! Conference Co-Chair
TechMentor Conference Co-Chair*

Don Jones is a multiple-year recipient of Microsoft's MVP Award, and is an Author Evangelist for video training company Pluralsight. Don is also a co-founder and President of PowerShell.org, a community dedicated to Microsoft's Windows PowerShell technology. Don has more than two decades of experience in the IT industry, and specializes in the Microsoft business technology platform. He's the author of more than 50 technology books, an accomplished IT journalist, and a sought-after speaker and instructor at conferences worldwide. Reach Don on Twitter at @concentratedDon, or on Facebook at Facebook.com/ConcentratedDon.



Rockford Lhotka

*CTO, Magenic Technologies
Modern Apps Live! Conference Chair
Visual Studio Live! Conference Co-Chair*

Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world. Rockford is a Microsoft Regional Director and MVP. Magenic is a company that specializes in planning, designing, building and maintaining your enterprise's most mission critical systems.



Matthew McDermott

*Founder and Director, Aptillon, Inc.
SharePoint Live! Conference Co-Chair*

Matthew is a founder and director at Aptillon, Inc, an eight-time Microsoft SharePoint Server MVP and part time trainer for Critical Path Training. Matthew specializes in SharePoint Integration, Strategy and Implementation Consulting helping his clients solve business problems with SharePoint. Matthew is a speaker, content author, blogger and specialist in SharePoint technologies focused on web content management, collaboration, search and social computing.

Matthew's free time is spent as a canine handler for K9 Search • Austin, a volunteer K9 search team serving the FBI, Austin, and San Antonio Police Departments. An accomplished cook and bartender, in his spare time Matt spends as much time with his wife as his dog will allow.



Greg Shields

*Author / Evangelist, PluralSight
TechMentor Conference Co-Chair*

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

Conference Speakers



Brian Alderman
*Director, Technical Resources and Instructors,
Mindsharp, MCT, MCITP for SharePoint*



Jason Bock
Principal Consultant, Magenic



Miguel Castro
Principal Consultant, Melvicorp LLC



Rachel Appel
Appel Consulting



Robert Boedigheimer
*Principal Systems Developer, Schwans Shared
Services, LLC*



Chad Churchwell
Premier Field Engineer, Microsoft



Bill Ayers
*Technical Director, Flow Simulation Ltd.,
BSc, MSc, PhD, CEng, MCM, MCSM, MCT*



Robert Bogue
*President, Thor Projects, LLC
MCITP, MCT, MCTS, MCSE, MCSA:Security, A+,
Network+, Server+, etc.*



Rick Claus
Sr. Technical Evangelist, Microsoft



Bradley Ball
*Sr. Consultant, Pragmatic Works
MCITP DBA 2005, MCTS DBA SQL 2008*



Eric D. Boyd
Founder and CEO, responsiveX



Andrew Connell
*Consultant, Instructor, Developer, & Author
SharePoint Live! Conference Co-Chair*



Chris Bell
*Founder / CEO, WaterOx Consulting, Inc
MCSE SQL 2012 DBA*



Andrew Brust
*SQL Server Live! Conference Co-Chair
Visual Studio Live! Conference Co-Chair
Research Director, Gigaom Research*



Allen Conway
Senior Consultant, Magenic



Prashant G. Bhojar
SharePoint Consultant, Portal Solutions LLC



J. Peter Bruzese
Exchange MVP, ClipTraining



Mark B. Cooper
*President, PKI Solutions Inc.
MCSM - Directory, CISSP*

Conference Speakers, continued



Ben Curry
Senior Architect, Summit 7 Systems
CISSP, Office 365 MVP, MCT, CCNA



Michael Doyle
Senior Architect, Propoint Technology
MCTS, MCSD, MCSE



Anthony Handley
UX Practice Lead, Magenic



Rob Daigneau
Senior Fellow, Construx
Microsoft MVP in Systems Integration



David Dye
Sergeant, Cape Coral Police Department
MCSA, MCDBA, MCITP, MCTS, MCT, A+, N+,
Linux+



Jeffery Hicks
Principal Consultant, JDH IT Solutions
MCSE, MCSA, MCT, PowerShell MVP



Joey D'Antoni
Solutions Architect, Anexinet



Brent Edwards
Associate Principal Consultant, Magenic



Ben Hoelting
Director of Technology, Aspenware



Pinal Dave
Founder, SQLAuthority.com
MS Computer Science



Kevin Ford
Practice Lead, Magenic



Steve Hughes
Practice Lead, Magenic



Marcel de Vries
Technology Manager, Info Support



Grant Fritchey
Product Evangelist, Red Gate Software



Philip Japikse
Principal Architect, InterKnowledge



Ben Dewey
Mobile Practice Lead, Windows Division,
Tallan Inc.



Kevin Goff
Independent Contractor
Microsoft SQL Server MVP



Don Jones
Author / Evangelist, Pluralsight
SQL Server Live! Conference Co-Chair
TechMentor Conference Co-Chair

Conference Speakers, continued



Jason Kaczor
*SharePoint Architect / Consultant,
Illumination Industries Ltd.
Microsoft MVP - SharePoint Architecture; 2014,
2013, 2012, 2011*



Scott Klein
Senior Technical Evangelist, Microsoft



Deborah Kurata
President, InStep Technologies, Inc.



Sami Laiho
*Senior Technical Fellow, Adminize.com
MVP, STEP Member, MCT Regional Lead*



Nick Landry
Senior Technical Evangelist, Microsoft



Thomas LaRock
Technical Evangelist, Confio Software



Vishwas Lele
Architect, AIS



Rockford Lhotka
*CTO, Magenic
Modern Apps Live! Conference Co-Chair
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Leonard Lobel
*CTO, Sleek Technologies, Inc.
MVP*



Bruce Mackenzie-Low
*Systems Software Engineer, HP
MCSE, MCSA*



Andy Malone
*Sr Technical Trainer, Quality Training (UK) Ltd
MVP, MCT*



David McCarter
*Principal Software Engineer/ Contractor/
Teacher, dotNetTips.com
Microsoft C# MVP*



Matthew McDermott
Founder and Director, Aptillon, Inc.



Ashley McGlone
Premier Field Engineer, Microsoft



Ryan McIntyre
National Architect, Neudesic



Agnes Molnar
*CEO, Managing Consultant, Search Explained
MVP, MCT*



Ted Neward
CTO, iTrellis

Conference Speakers, continued



Brian Noyes
CTO, Solliance



Mark Rakley
Solutions Architect, Summit 7 Systems



Jeff Stokes
Senior Premier Field Engineer, Microsoft



Paul Olenick
SharePoint Consultant, AvePoint
MVP, MCIT



Brian Randell
Partner, MCW Technologies



Jeremy Thake
Senior Product Marketing Manager, Microsoft



John O'Neill Sr.
Chief Technologist, AWS Solutions
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Covering Microsoft Technologies and Developer News with personal narrative from Kyle Reddoch. www.winphankyle.com



John Sansom is a Microsoft Certified Master (MCM) of SQL Server and author of the popular SQL Brit blog community. Inspiring excellence and encouraging the development of others, John created the **SQL Community Forum**, an entirely free community for ambitious Data Professionals to collaborate and share knowledge. Having only just recently

launched, the community has already amassed over 1000 posts of insight and experience.

John is also the publisher of the free SQL community ebook **DBA JumpStart**, an inspiring collection of advice for Data Professionals, written by 20 SQL Server experts.

Awarded the Microsoft Community Contributor (MCC) award, John is a prolific blogger and can be found regularly writing about SQL Server and Professional Development over at www.johnsansom.com



The **Tampa Bay Virtualizations Users Group (TBVUG)** is focused on the latest virtualization technologies, cloud computing, management software, and related certifications to help IT professionals and anyone interested in these technologies to network together and share their knowledge and expertise to the group.



The **Arizona PowerShell User Group (AZPOSH)** was formed to build a strong local community of IT Professionals interested in using and learning PowerShell.

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Additional information here: <http://thewindowsdeveloperusergroup.com/> or follow us on twitter: @windowsdevug.

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ALLEN CONWAY

Allen Conway's Blog provides an array of information around Microsoft .NET and surrounding technologies associated with the Microsoft stack as well as editorials and experiences in the career of being a software engineer. The goal is an extraction of some of his thoughts and ideas in order to give back to others in the community.

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Canada's Technology Triangle .NET User Group is a community group for .NET developers in the **Kitchener/Waterloo** and surrounding area that provides networking opportunities for local IT professionals all while learning about the latest .NET technologies. Founded in August 2002,

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We will meet regularly to explore the use of .NET for building mobile to web applications or just for fun of coding. Our goal is to create a great social group in the London and surrounding area where everyone can come share and learn from each other. We will be learning and coding with a focus on web and multi-platform mobile development, including MonoTouch, Mono for Android, Windows Phone, Windows 8 and ASP.NET. www.meetup.com/London-NET-Developers-Group/

TECH VALLEY .NET USER GROUP

Tech Valley .NET User Group is a user group for .NET developers in the greater Tech Valley region of upstate New York. Our topics cover all things that relate to Microsoft .NET technologies. Meetings occur every 2nd Tuesday of the month at 630pm. See our website at <http://www.tvug.net> or our Meetup page at www.meetup.com/TechValleyNETUserGroup/ for more details!

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From Downtown Orlando (I-4 West):

- Take I-4 West to Exit 74B (Universal Studios) and get in the right lane
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From Tampa (I-4 East):

- Take I-4 East towards downtown Orlando.
- Take Exit 75A (Universal Studios) and get in the left lane
- At traffic light, turn left on Universal Blvd.
- Turn left at next traffic light (Hollywood Way)
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From Orlando International Airport:

- Take the North exit out the airport onto Beachline Expressway (SR528) West (International Drive, Convention Center)
- Continue on Beachline and take I-4 East
- Take Exit 75A (Universal Studios) and get in the left lane
- At the end of the exit ramp, turn left onto Universal Blvd.
- At the second traffic light, turn left (Hollywood Way)
- Loews Royal Pacific Resort entrance is 1/3 mile on your left
- *SR528 is a toll road.

From I-95 South:

- Take I-95 South to Exit 260B (I-4 West towards Orlando)
- Take I-4 West to Exit 74B (Universal Studios) and get in the right lane
- At the traffic light, turn right onto Hollywood Way
- Loews Royal Pacific resort entrance is second on the right

From I-95 North:

- Take I-95 North to Exit 205 (SR528 - Beachline Expressway) heading West
- Continue on Beachline and take I-4 East
- Take Exit 75A (Universal Studios) and get in the left lane
- Turn left on Universal Blvd.
- Turn left at second traffic light (Hollywood Way)
- Loews Royal Pacific Resort entrance is 1/3 mile on your left
- *SR528 is a toll road.

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- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 85 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 86 for pricing details.

The Live! 360 3-Day Package is your three day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences.

Summer Special
by Aug 6, 2014

\$1,395

Save \$400

Super Early Bird
by Sep 17, 2014

\$1,395

Save \$400

Early Bird
by Oct 15, 2014

\$1,495

Save \$300

Standard
after Oct 15, 2014

\$1,795

Registration Packages, continued

Live! 360 3-Day Conference + Hotel Package

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 85 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 86 for pricing details.

The Live! 360 3-Day Conference + Hotel Package is your 3-day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences; PLUS four nights at the Royal Pacific Resort. 4 nights at the Royal Pacific (Room and tax only) - available Monday night (November 17) through Thursday night (November 20), departing Friday (November 21).

Summer Special
by Aug 6, 2014

\$2,165

Save \$400

Super Early Bird
by Sep 17, 2014

\$2,165

Save \$400

Early Bird
by Oct 15, 2014

\$2,265

Save \$300

Standard
after Oct 15, 2014

\$2,565

Registration Packages, continued

Workshop Pass

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 85 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 86 for pricing details.

The Live! 360 Workshop Pass grants you access to one full-day workshop at Live! 360 Orlando on either Monday, November 17 OR Friday, November 21, 2014.

**Summer Special
by Aug 6, 2014**

\$550

**Super Early Bird
by Sep 17, 2014**

\$550

**Early Bird
by Oct 15, 2014**

\$550

**Standard
after Oct 15, 2014**

\$550

Registration Packages, continued

Group Discounts

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

► Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 86 for pricing details.

Live! 360 5-Day Group Package

The Live! 360 5-Day Group Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences.

Early Bird
by Oct 15, 2014

\$1,595

Save \$100

Standard
after Oct 15, 2014

\$1,695

Live! 360 5-Day Conference + Hotel Group Package

The Live! 360 5-Day Group Conference + Hotel Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences; PLUS five nights at the Royal Pacific Resort. 5 nights at the Royal Pacific Resort (Room and tax only) - available Sunday night (November 16) through Thursday night (November 20), departing Friday (November 21).

Early Bird
by Oct 15, 2014

\$2,545

Save \$100

Standard
after Oct 15, 2014

\$2,645

For questions regarding group registration or for more information please call 541.346.3537.

Registration Packages, continued

Live! 360 Alumni 5-Day Package

The Live! 360 5-Day Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences.

Summer Special
by Aug 6, 2014

\$1,495

Save \$800

Super Early Bird
by Sep 17, 2014

\$1,595

Save \$700

Early Bird
by Oct 15, 2014

\$1,695

Save \$600

Standard
after Oct 15, 2014

\$1,795

Save \$500

Registration Packages, continued

Live! 360 Alumni 5-Day Conference + Hotel Package

The Live! 360 5-Day Conference + Hotel Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences; PLUS five nights at the Royal Pacific Resort. 5 nights at the Royal Pacific Resort (Room and tax only) - available Sunday night (November 16) through Thursday night (November 20), departing Friday (November 21).

Summer Special
by Aug 6, 2014

Super Early Bird
by Sep 17, 2014

Early Bird
by Oct 15, 2014

Standard
after Oct 15, 2014

\$2,445

Save \$800

\$2,545

Save \$700

\$2,645

Save \$600

\$2,745

Save \$500

Registration Packages, continued

Live! 360 Alumni 3-Day Package

The Live! 360 3-Day Package is your three day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences.

Standard Price

(No additional discounts apply)

\$1,295

Live! 360 Alumni 3-Day Conference + Hotel Package

The Live! 360 3-Day Conference + Hotel Package is your 3-day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences; PLUS four nights at the Royal Pacific Resort. 4 nights at the Royal Pacific (Room and tax only) - available Monday night (November 17) through Thursday night (November 20), departing Friday (November 21).

Standard Price

(No additional discounts apply)

\$2,065