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Training for Developers,  
Software Architects  
and Designers**

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**NEW CO-LOCATED EVENT: ModernApps LIVE!**  
MODERN APPS FROM START TO FINISH



**LAS VEGAS** | **MARCH 25-29, 2013**  
MGM Grand Hotel & Casino

#### Visual Studio Live! Track Topics:

- ASP.NET
- Azure / Cloud Computing
- Cross-Platform Mobile
- Data Management
- HTML5 / JavaScript
- Developer Deep Dive: SharePoint / Office
- Developer Deep Dive: SQL Server
- Windows 8 / WinRT
- WPF / Silverlight
- Visual Studio 2012 / .NET 4.5

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Modern Apps LIVE!  
MODERN APPS FROM START TO FINISH

Priority seating to all Modern Apps Live! sessions will be given to Modern Apps Live! attendees

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## A Message from the Conference Co-Chairs

This year, the Microsoft Development Platform has reached a huge milestone. Windows 8, Windows RT and Windows Phone 8 are out and share a common kernel. Add to that the industry-wide HTML5 push, Big Data and various enhancements to Windows Azure nearing general availability, and just about the whole stack has changed, or will very soon.

We think there's a great way to digest these changes and seize their collective opportunity. And that's to hear about them directly from the finest expert speakers in the business.

We're Andrew Brust and Rocky Lhotka, and as Conference Co-Chairs for Visual Studio Live! Las Vegas, we'd like to personally invite you to join us this March at the MGM Grand Hotel & Casino, where we'll have some of the best content and speakers that you'll find at a technical conference.

We've put together a blockbuster lineup of sessions on: Windows 8/WinRT, ASP.NET, HTML5/JavaScript, Cross Platform Mobile Development, WPF/Silverlight, Data Management, SQL Server, Azure/Cloud Computing and SharePoint/Office 2013.

We've also got coverage on technologies like HDInsight (Hadoop on Windows), NoSQL, Microsoft Visual Studio 2012/.NET 4.5, and Visual Studio LightSwitch. Then there's our extensive workshop content, covering Windows 8, Visual Studio ALM, HTML 5 cloud development, SQL Server 2012, SharePoint 2013, and building services with WCF and the ASP.NET Web API. These sessions and workshops burrow deep into the new subjects you need to master and the fundamentals that are always important.

Hardcore content from independent experts isn't a luxury. With so much change in the Microsoft stack, it's a necessity. Don't be overwhelmed by the change...find a way to get to Visual Studio Live! Las Vegas and embrace it instead.

We hope to see you there!

A handwritten signature of Andrew Brust.

Andrew Brust  
Visual Studio Live! Co-Chair

A handwritten signature of Rocky Lhotka.

Rockford Lhotka  
Visual Studio Live! Co-Chair

## Visual Studio Live! Las Vegas Advisory Council



**Andrew Brust**  
Visual Studio Live!  
Las Vegas Co-chair  
Founder & CEO,  
*Blue Badge Insights*



**Michael Desmond**  
Editor in Chief,  
*MSDN Magazine*



**Rockford Lhotka**  
Visual Studio Live!  
Las Vegas Co-chair  
CTO, *Magenic*



**Keith Ward**  
Editor in Chief,  
*Visual Studio Magazine*

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## Reasons to Attend Visual Studio Live! Las Vegas



- 1. AN EVENT YOU KNOW AND TRUST.** Visual Studio Live! is THE resource for developer-focused education.
- 2. COPIOUS CODING CONTENT.** We offer 5 days of educational sessions in tracks like HTML5 / JavaScript, Windows 8 / WinRT, ASP.NET and Visual Studio 2012 / .NET 4.5.
- 3. BONUS VEGAS CONTENT – DEVELOPER DEEP DIVES.** Brought to you by SharePoint Live! and SQL Server Live!, Visual Studio Live! Las Vegas will feature developer deep dives on SharePoint / Office and SQL Server – all at no additional cost.
- 4. BUY 1 EVENT, GET 1 FREE!** All Visual Studio Live! Las Vegas attendees will receive FREE access to Modern Apps Live!, where you can learn to architect, design and build a complete Modern Application from start to finish.
- 5. UNBIASED EDUCATION AND AN INSIDER'S PERSPECTIVE.** Our speakers include both unbiased industry experts and Microsoft insiders, so you'll hear every side of the story on the most recent software and industry updates.
- 6. FULL-DAY DEVELOPER WORKSHOPS.** Get a full day (pre and/or post conference) of education on topics such as Windows 8 Applications, SharePoint 2013 for developers, ALM & Visual Studio 2012 and SQL Server 2012.
- 7. QUALITY ONE-ON-ONE TIME WITH SPEAKERS.** What separates Visual Studio Live! from other conferences is the unique amount of access to the speakers. Get your questions answered in-between sessions, during meals and at fun evening events.
- 8. NOW, NEW AND NEXT.** Learn what's happening in the world of Microsoft.
- 9. NETWORK WITH YOUR NEIGHBORS.** Developers, software architects and designers will all be at the conference – take advantage of the meal times and networking events to get to know (and learn from!) your fellow attendees.
- 10. VIVA LAS VEGAS!** Stay and play at Visual Studio Live! headquarters – The MGM Grand Hotel & Casino.



## Agenda At-A-Glance (Monday & Tuesday)

Windows 8 / WinRT	WPF/ Silverlight	ASP.NET	Visual Studio 2012 / .NET 4.5	SharePoint / Office	Azure / Cloud Computing	Data Management	HTML5 / JavaScript	Cross-Platform Mobile	SQL Server
START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, March 25, 2013 (Separate entry fee required)							
7:30 AM	9:00 AM	Pre-Conference Workshop Registration - Coffee and Morning Pastries							
9:00 AM	6:00 PM	MW01 - Workshop: Build a Windows 8 Application in a Day - <i>Rockford Lhotka</i>	MW02 - Workshop: Services - Using WCF and ASP.NET Web API - <i>Miguel Castro</i>	MW03 - Workshop: HTML5 + Cloud - Reach Everyone, Everywhere - <i>Eric D. Boyd</i>	MW04 - Workshop: SharePoint 2013 Developer Boot Camp - <i>Andrew Connell</i>				

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, March 26, 2013							
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries							
8:00 AM	9:00 AM	Keynote: To Be Announced							
9:15 AM	10:30 AM	T01 - A Primer in Windows 8 Development with WinJS - <i>Philip Japikse</i>	T02 - jQuery Fundamentals - <i>Robert Boedigheimer</i>	T03 - Busy Developer's Guide to MongoDB - <i>Ted Neward</i>	T04 - Mastering Visual Studio 2012 - <i>Deborah Kurata</i>	T05 - Building Your First SharePoint 2013 Application Using Visual Studio 2012 - <i>Darrin Bishop</i>			
10:45 AM	12:00 PM	T06 - Windows 8 Style Apps - Design Essentials - <i>Billy Hollis</i>	T07 - Hate JavaScript? Try TypeScript. - <i>Ben Hoelting</i>	T08 - Busy Developer's Guide to Cassandra - <i>Ted Neward</i>	T09 - IntelliTrace, What is it and How Can I Use it to My Benefits? - <i>Marcel de Vries</i>	T10 - Start Developing for Microsoft Office 365 SharePoint Online - <i>Darrin Bishop</i>			
12:00 PM	2:30 PM	Lunch & Expo Hall							
1:15 PM	2:15 PM	T11 - Chalk Talk: MVVM in Practice aka ""Code behind"" - free XAML - <i>Tiberiu Covaci</i>	T12 - Chalk Talk: Neural Networks for Developers - <i>James McCaffrey</i>	T13 - Chalk Talk: Beyond Hello World - A Practical Introduction to Node.js - <i>Rick Garibay</i>	T14 - Chalk Talk: SharePoint 2013 Search – A Developer's Perspective - <i>Ryan McIntyre</i>				
2:30 PM	3:45 PM	T15 - New XAML controls in Windows 8 - <i>Billy Hollis</i>	T16 - Tips for building Multi-Touch Enabled Web Sites - <i>Ben Hoelting</i>	T17 - What's New in ASP.NET 4.5 - <i>Adam Tuliper</i>	T18 - Team Foundation Server 2012 Builds: Understand, Configure, and Customize - <i>Benjamin Day</i>	T19 - Unit Testing in SharePoint - <i>Jim Wooley</i>			
3:45 PM	4:15 PM	Networking Break							
4:15 PM	5:30 PM	T20 - Make your App Alive with Tiles and Notifications - <i>Ben Dewey</i>	T21 - Build Speedy Azure Applications with HTML 5 and Web Sockets Today - <i>Rick Garibay</i>	T22 - 25 Tips and Tricks for the ASP.NET Developer - <i>Adam Tuliper</i>	T23 - Design for Testability: Mocks, Stubs, Refactoring, and User Interfaces - <i>Benjamin Day</i>	T24 - Better Together - SharePoint 2013 and Mobile Development - <i>Darrin Bishop</i>			
5:30 PM	7:00 PM	Welcome Reception							

For the complete session schedule and full session descriptions, please check the Visual Studio Live! Las Vegas web site at [vslive.com/lasvegas](http://vslive.com/lasvegas)

\*Speakers and Sessions Subject to Change.



## Agenda At-A-Glance (Wednesday)

Windows 8 / WinRT	WPF/ Silverlight	ASP.NET	Visual Studio 2012 / .NET 4.5	SharePoint / Office	Azure / Cloud Computing	Data Management	HTML5 / JavaScript	Cross-Platform Mobile	SQL Server
START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, March 27, 2013							
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries							
8:00 AM	9:00 AM	Keynote: To Be Announced							
9:15 AM	10:30 AM	W01 - Building Your First Windows Phone 8 Application - <i>Brian Peek</i>	W02 - What's New in Azure for Developers - <i>Vishwas Lele</i>	W03 - Controlling ASP.NET MVC4 - <i>Philip Japikse</i>	W04 - Modern ALM and the DevOps Story - <i>Brian Randell</i>	W05 - Developing and Extending Enterprise Content Management Features with SharePoint 2013 - <i>Paul Swider</i>			
10:45 AM	12:00 PM	W06 - Cross Win8/WP8 Apps - <i>Ben Dewey</i>	W07 - In Depth Azure IaaS - <i>Vishwas Lele</i>	W08 - MVC For WebForms Developers: Comparing and Contrasting - <i>Miguel Castro</i>	W09 - WCF Data Services – Getting Started Guide - <i>Sergey Barskiy</i>	W10 - Use 2012 (and Beyond) Technology with SharePoint 2010 - <i>Ryan McIntyre</i>			
12:00 PM	2:30 PM	Round Table Lunch & Expo Hall							
1:15 PM	2:15 PM	W11 - Chalk Talk: Moving Web Apps to the Cloud - <i>Eric D. Boyd</i>	W12 - Chalk Talk: Improving Web Performance - <i>Robert Boedigheimer</i>	W13 - Chalk Talk: NoSQL for the SQL Guy - <i>Ted Neward</i>	W14 - Chalk Talk: Demystifying the Microsoft UI Technology Roadmap - <i>Brian Noyes</i>				
2:30 PM	3:45 PM	W15 - Designing Your Windows Phone Apps for Multitasking and Background Processing - <i>Nick Landry</i>	W16 - IaaS in Windows Azure with Virtual Machines - <i>Eric D. Boyd</i>	W17 - ASP.NET MVC - AJAX in your Views - <i>Walt Ritscher</i>	W18 - Entity Framework Code First End to End - <i>Sergey Barskiy</i>	W19 - Build Modern Collaborative Solutions with Office 2013, "Napa" Office 365 Development Tools, and SharePoint 2013 - <i>Brian Randell</i>			
3:45 PM	4:15 PM	Sponsored Break - Exhibitor Raffle							
4:15 PM	5:30 PM	W20 - Building a Windows Runtime Component with C# - <i>Brian Peek</i>	W21 - Bringing Open Source to Windows Azure: A Match Made in Heaven - <i>Jesus Rodriguez</i>	W22 - Patterns for Parallel Programming - <i>Tiberiu Covaci</i>	W23 - LINQ performance and Scalability - <i>Jim Wooley</i>	W24 - Intro to Windows Azure SQL Database and What's New - <i>Eric D. Boyd</i>			
6:30 PM	8:30 PM	Evening Event							

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\*Speakers and Sessions Subject to Change.



## Agenda At-A-Glance (Thursday and Friday)

Windows 8 / WinRT	WPF/ Silverlight	ASP.NET	Visual Studio 2012 / .NET 4.5	SharePoint / Office	Azure / Cloud Computing	Data Management	HTML5 / JavaScript	Cross-Platform Mobile	SQL Server
START TIME	END TIME	Visual Studio Live! Day 3: Thursday, March 28, 2013							
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries							
8:00 AM	9:15 AM	TH01 - Building Extensible XAML Client Apps - <i>Brian Noyes</i>	TH02 - JavaScript, Meet Cloud: Node.js on Windows Azure - <i>Sasha Goldshtein</i>	TH03 - To Be Announced		TH04 - Sharing up to 80% of code building Mobile apps for iOS, Android, WP 8 and Windows 8 - <i>Marcel de Vries</i>		TH05 - SQL Server Data Tools - <i>Leonard Lobel</i>	
9:30 AM	10:45 AM	TH06 - Migrating from WPF or Silverlight to WinRT - <i>Rockford Lhotka</i>	TH07 - Using Windows Azure to Build the Next Generation of Mobile Applications - <i>Jesus Rodriguez</i>	TH08 - ASP.NET MVC - Routing in the spotlight - <i>Walt Ritscher</i>		TH09 - iOS Development Survival Guide for the .NET Guy - <i>Nick Landry</i>		TH10 - Programming the T-SQL Enhancements in SQL Server 2012 - <i>Leonard Lobel</i>	
11:00 AM	12:15 PM	TH11 - Managing the .NET Compiler - <i>Jason Bock</i>	TH12 - Cloud Backends for Your Mobile Apps: Windows Azure Mobile Services and Parse - <i>Sasha Goldshtein</i>	TH13 - From 0 to Web Site in 60 Minutes with Web Matrix - <i>Mark Rosenberg</i>		TH14 - To Be Announced		TH15 - Getting to know the BI Semantic Model - <i>Andrew Brust</i>	
12:15 PM	1:30 PM	Lunch							
1:30 PM	2:45 PM	TH16 - Understanding Dependency Injection and Those Pesky Containers - <i>Miguel Castro</i>	TH17 - Using Windows Azure for Solving Identity Management Challenges - <i>Michael Collier</i>	TH18 - Creating Web Sites Using Visual Studio LightSwitch - <i>Michael Washington</i>		TH19 - Building Multi-Platform Mobile Apps with Push Notifications - <i>Nick Landry</i>		TH20 - Big Data-BI Fusion: Microsoft HDInsight & MS BI - <i>Andrew Brust</i>	
3:00 PM	4:15 PM	TH21 - Static Analysis in .NET - <i>Jason Bock</i>	TH22 - Elevating Windows Azure Deployments - <i>Michael Collier</i>	TH23 - Building Single Page Web Applications with HTML5, ASP.NET MVC4 and Web API - <i>Marcel de Vries</i>		TH24 - Create HTML5 Mobile websites with Visual Studio LightSwitch - <i>Michael Washington</i>		TH25 - Optimizing Stored Procedures - <i>Mark Rosenberg</i>	
START TIME	END TIME	Visual Studio Live! Post-Conference Workshops: Friday, March 29, 2013 (Separate entry fee required)							
7:30 AM	8:00 AM	Post-Conference Workshop Registration - Coffee and Morning Pastries							
8:00 AM	5:00 PM	FW01 - Workshop: Happy ALM with Visual Studio 2012 and Team Foundation Server 2012 - <i>Brian Randell</i>			FW02 - Workshop: SQL Server 2012 - <i>Andrew Brust &amp; Leonard Lobel</i>				

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\*Speakers and Sessions Subject to Change.



## Visual Studio Live! Workshops

### WINDOWS 8 / WINRT TRACK

#### ■ MW01 Workshop: Build a Windows 8 Application in a Day

(Level: Introductory / Intermediate)

**Rockford Lhotka**

Monday, March 25

9:00am – 6:00pm

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

#### You will learn:

- How to get started with Windows 8 WinRT app development
- About the WinRT API and the features it provides for development of Windows Store Apps
- WinRT app deployment through the Microsoft Store, and via sideloading for enterprise LOB apps

### VISUAL STUDIO 2012 / .NET 4.5 TRACK

#### ■ FW01 Workshop: Happy ALM with Visual Studio 2012 and Team Foundation Server 2012

(Level: Intermediate)

**Brian Randell**

Friday, March 29

8:00am – 5:00pm

Are you happy? Are your customers happy? If you answered no to these questions, you need to come on and get happy with Brian on the Visual Studio 2012 ALM

bus. Even if you answered no, you should come too and share your secrets—remember sharing is caring.

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

### SHAREPOINT / OFFICE TRACK

BROUGHT TO YOU BY **SharePoint LIVE!**  
TRAINING FOR COLLABORATION

#### ■ MW04 Workshop: Building Apps for SharePoint 2013 Inside and Outside of the Firewall (Level: Intermediate)

**Andrew Connell**

Monday, March 26

9:00am – 6:00pm

Microsoft has added a new development opportunity for customers to extend SharePoint 2013 sites: the new App Model. This new development model greatly expands the things customers could do with hosted SharePoint sites, such as those in Office365. In this workshop attendees will build the different types of apps you can build in SharePoint 2013 (SharePoint-Hosted, Provider-Hosted, Auto-Hosted), and learn the nuances of the different deployment models (on-prem or Office365), distribution (public / corporate marketplace) and licensing. Throughout the workshop attendees will see advantages

and disadvantages of each option as well as walk away with some valuable tools, tips & tricks!

### AZURE / CLOUD COMPUTING TRACK

#### ■ MW02 Workshop: Services - Using WCF and ASP.NET Web API

(Level: Intermediate)

**Miguel Castro**

Monday, March 25

9:00am – 6:00pm

Service Oriented Architectures are the best way to ensure that today's applications are maintainable and scalable in a volatile world filled with ever-changing demands. Decomposing your systems into smaller, loosely coupled, and more autonomous components ensures that your application can continue to grow or change without having to continuously undergo rewrites or redesigns. But with great power comes great responsibility, and the need for great technology and tooling. Windows Communication Foundation is the heart of Microsoft's stack for building connected systems and loosely coupled components. ASP.NET Web API is the latest addition to this stack in a world where REST and its interoperable power becomes more necessary and in more demand. Come learn both of these technologies and how to properly use them, either apart or together. There's a place for SOAP and there's a place for REST, and many applications benefit from using them both. I'll teach you what a Service Oriented Architecture is and how to use WCF from service design to security. Then I'll show you how your application can expose a RESTful API and allow anybody to write a client for it, no matter what technology they're using.

#### You will learn:

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



## Visual Studio Live! Workshops, continued

### HTML5 / JAVASCRIPT TRACK

#### ■ MW03 Workshop: HTML5 + Cloud - Reach Everyone, Everywhere

(Level: Introductory / Intermediate)

**Eric D. Boyd**

Monday, March 25

9:00am – 6:00pm

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

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

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

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

#### You will learn:

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

### SQL SERVER TRACK

BROUGHT TO YOU BY **SQL Server LIVE!**  
TRAINING FOR DBAs AND IT PROS

#### ■ FW02 Workshop: SQL Server 2012 (Level: Intermediate)

**Andrew Brust & Leonard Lobel**

Friday, March 29

8:00am – 5:00pm

This full-day workshop will get you up to speed on powerful new features in SQL Server 2008, SQL Server 2008 R2, and SQL Server 2012. Leni and Andrew will pull no punches as they rip through the most important SQL Server features for developers in this intensive demo-packed tour.

We'll start with 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 preview the T-SQL enhancements coming in SQL Server 2012, such as windowing (OVER clause) enhancements, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

We'll then look at the business intelligence capabilities in SQL Server and related technologies, including Analysis Services Tabular mode; PowerPivot, Excel's BI capabilities and Excel Services; Reporting Services and its self-service Report Parts feature; Power View (formerly project "Crescent"); PerformancePoint Services; and a quick look at Master Data Services, Data Quality Services and StreamInsight. We'll look at each of these products separately and see how to use them together. We'll also cover the basics of SQL Server Analysis Services' conventional MOLAP mode to set the context properly.

Then we'll examine the "beyond relational" features in SQL Server 2008, and the latest additions coming 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 new hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM (and SQL Server 2012 FileTable) and learn how you can finally enjoy the native ability to store large binary objects in the file system transparently, and with full transactional capabilities. The geospatial data types enable you to integrate location-intelligence into the database, and we'll finish up by building several location-aware applications on top of these new data types.

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

#### You will learn:

- T-SQL enhancements added to SQL Server 2008 and SQL Server 2012
- The latest BI features in SQL Server 2008 R2 and SQL Server 2012, including PowerPivot and enhancements to Reporting Services
- Unstructured data storage, including native file streaming, and the hierarchical and geospatial data types
- Preview new capabilities planned for the next version SQL Server (SQL Server 2012)





## Session Descriptions by Track

### WINDOWS 8 / WINRT

Adoption of Windows 8 and the Windows Runtime (WinRT) is underway, and use of Windows Phone 8 and its version of the Windows Runtime (WinPRT) is on the upswing. Are you ready to build apps for the new WinRT and WinPRT platforms? Modern Windows apps take advantage of key Windows 8 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 phones, 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! Las Vegas, you'll learn to build modern Windows 8 and Windows Phone 8 apps, and understand the finer points of WinRT and related cloud services that will make them great. This track includes coverage of the following:

- Microsoft Design Language and Windows 8 app design
- WinRT development using XAML/.NET and HTML 5/WinJS
- Migrating apps from WPF, Silverlight, or the Web to WinRT
- WinPRT development using XAML and .NET
- Reusing code between WinRT and WinPRT apps
- A full-day workshop to get you ramped up on WinRT development

### ■ T01 A Primer in Windows 8 Development with WinJS (Level: Introductory)

**Philip Japikse**

Tuesday, March 26

9:15am – 10:30am

WinJS combines the ubiquitousness of Windows with the popularity of JavaScript and HTML5. In this session, I will teach you what you need to know to get started writing applications for Windows 8 using WinJS. I'll show you how to effectively combine Visual Studio 2012 and Expression Blend 5 to speed your development. Come in knowing nothing, leave writing code!

#### You will learn:

- The essential parts of WinJS.
- How to combine Expression Blend with Visual Studio to rapidly develop WinJS applications.
- How to leverage your existing JavaScript and HTML knowledge to write application for over 600 million Windows users.

### ■ T06 Windows 8 Style Apps - Design Essentials (Level: Intermediate)

**Billy Hollis**

Tuesday, March 26

10:45am – 12:00pm

Windows 8 apps are expected to follow prescriptive conventions and guidelines for capabilities, design, and user experience. Some of these conventions are required for an app to even be offered via the Windows Store. This session will cover the most important Windows 8 guidelines for typical developers, including layout, navigation patterns, and working with the OS via charms and other functions. Special attention will be given to those conventions that must be satisfied to pass the certification tests for the Windows Store.

#### You will learn:

- Learn major conventions and guidelines for design of Windows 8 apps
- Highlight required conventions that must be met for

- placement in the Windows Store
- Deep dive on layout in Windows 8, including the grid system, snapped views, and other layout

### ■ T11 Chalk Talk: MVVM in Practice aka "Code Behind" Free XAML

**Tiberiu Covaci**

Tuesday, March 26

1:15pm – 2:15pm

One pattern that emerged with WPF is the Model-View-ViewModel. In this session we will explore the MVVM pattern, the MVVM Light toolkit, the Portable Class Library and I will show you how you can write a XAML applications without ever needing to add a single line of code in the code behind, giving your designer full control over the User Interface.

#### You will learn:

- MVVM
- Design Patterns
- Portable Class Library

### ■ T15 New XAML Controls in Windows 8 - Introductory / Intermediate

**Billy Hollis**

Tuesday, March 26

2:30pm – 3:45pm

XAML in Windows 8 is similar to previous XAML platforms, but contains many new elements. Most of them meet specific needs for touch-based interfaces. This session will discuss the new elements and controls, demonstrate their usage, and discuss the touch scenarios in which the elements are useful.

#### You will learn:

- List new Windows 8 XAML controls and describe basic usage
- Demonstration of each new control, including important API functions
- Learn why these new controls promote good user experience for touch-based Windows 8 apps



## Session Descriptions by Track, continued

### ■ T20 Make your App Alive with Tiles and Notifications

(Level: Introductory / Intermediate)

**Ben Dewey**

Tuesday, March 26

4:15pm – 5:30pm

Tiles are an integral part to the new Windows 8 platform. They update users with current information and draw the user into your application time and time again. Tiles offer a subtle benefit to the user, but when really need to get someone's attention Notifications may offer a more direct experience. In this presentation Ben Dewey will show the many ways in which you can communicate to your user via Tiles and Notifications.

#### You will learn:

- How to implement Live Tiles
- How to implement secondary tiles
- How to implement badges and notifications
- How to implement notifications with the Windows Notification Service

### ■ W01 Building Your First Windows Phone 8 Application

(Level: Introductory)

**Brian Peek**

Wednesday, March 27

9:15am – 10:30am

Expand your mobile horizons with Windows Phone 8!

Developing applications for the phone is extremely similar to building a XAML application for the desktop. In this session, I will demonstrate the fundamentals of Windows Phone development while building a very simple application which covers all of the important points of the new platforms architecture, including the developer tools and device emulator and touch input.

#### You will learn:

- How to develop XAML applications for Windows Phone 8
- How to effectively use the tools and device emulator
- How to handle touch input

### ■ W06 Sharing Code Between Windows 8 and Windows Phone 8 Apps

(Level: Intermediate)

**Ben Dewey**

Wednesday, March 27

10:45am – 12:00pm

Building native apps offers a superior experience on most platforms. While sharing web services code is an easy win, developers often struggle to share client side code between different native apps. In this talk, Ben Dewey will show various techniques to optimize the use of Portable Class Libraries and maximize the code that is shared between a sample Windows 8 and Windows Phone 8 application.

#### You will learn:

- Numerous techniques for sharing code between apps
- How to share code between projects using the new Portable Class Library
- How to share code between projects using linked files
- Tips and Tricks to leverage when Portable Class Libraries don't work

### ■ W14 Demystifying the Microsoft UI Technology Roadmap

(Level: Intermediate / Advanced)

**Brian Noyes**

Wednesday, March 27

1:15pm – 2:10pm

Things have gotten pretty confusing when it comes to knowing what technology to use to implement your user interface for your application. You have to choose from a plethora of different Microsoft UI technologies, platforms, and tools. You have to choose between top level technologies like XAML vs HTML vs native mobile apps. You also have to understand the choices within those realms such as WPF vs Silverlight vs WinRT. This session will make clear what the realm of possibilities are, what the similarities and differences are between those choices, and what some of the driving factors are. You will also learn what some of the choices are for multi-platform approaches to defining your UIs are, and what the pros and cons of those approaches are.

#### You will learn:

- Understand the differences between building an HTML app for multiple platforms vs using native apps
- Understand the similarities and differences of WPF, Silverlight, and WinRT
- What products and capabilities exist for writing multi-platform mobile apps

### ■ W15 Designing Your Windows Phone Apps for Multitasking and Background Processing

(Level: Intermediate / Advanced)

**Nick Landry**

Wednesday, March 27

2:30pm – 3:45pm

It may be called "Windows" Phone, but Microsoft's smartphone operating system does not share its big brother's multitasking model. "Fast and fluid" is the motto to insure the best user experience possible while at the same time optimizing power consumption on the device. Windows Phone may only allow only one application to run in the foreground at a time, but several features were introduced in version 8.0 and 7.5 to allow an application to perform some actions even when it is not the active foreground app. This demo-heavy session will focus on those techniques including scheduled tasks & background

**"THIS IS MY FIRST VISUAL STUDIO LIVE! CONFERENCE AFTER USING VISUAL STUDIO FOR YEARS. MY EYES HAVE BEEN OPENED! THIS EVENT HAS BEEN SO VALUABLE TO ME."**

Mark Holdcroft  
Enginer IV, Controls  
Diamond Power Int., Inc.



## Session Descriptions by Track, continued

agents, playing audio & tracking the user location in the background, and we'll also discuss how Voice-over-IP (VoIP) integrate deeply into the OS for better background processing. You'll also learn about Fast Application Switching & Tombstoning should your application ever get terminated. Learn how to make your application a first-class citizen on Windows Phone and put this session in the foreground of your schedule.

### You will learn:

- About the application multitasking model in Windows Phone 8 and how it affects mobile application design
- How to build a Windows Phone agents capable of accessing various services at periodic intervals or continuously in the background
- About the state management in Windows Phone 8 applications and how to deal with reactivation, tombstoning, persisting & retrieving state and providing seamless continuity to your users

### ■ W20 Building a Windows Runtime Component with C# (Level: Intermediate)

**Brian Peek**

Wednesday, March 27

4:15pm – 5:30pm

A properly written Windows Runtime components can be consumed by C#/VB, HTML/JavaScript, and C++ applications. In this session, we will discuss how to design and build a Windows Runtime component in C# such that it can be consumed by all languages. Specifically, we will look at passing the right types across the ABI, how to create events that can be consumed, and how to create asynchronous methods, and much more!

### You will learn:

- Proper techniques to building a Windows Runtime Component
- Differences when building a traditional .NET component
- How to consume the component from multiple languages

## WPF / SILVERLIGHT

Today, most business apps for Windows are created using XAML in WPF or Silverlight. This track is all about improving your productivity while designing and building applications using XAML in WPF and Silverlight. We'll provide you the opportunity to build your skills and knowledge around these important smart client technologies while planning for WinRT.

### ■ TH01 Building Extensible XAML Client Apps (Level: Advanced)

**Brian Noyes**

Thursday, March 28

8:00am – 9:15am

Designing an extensible XAML client application with WPF, Silverlight and Metro involves a lot more than just knowing how to load a plug-in interface to invoke some functionality. You need to be able to add whole new sets of functionality including a data model, logic, and views for presentation. And if you do it right, you should be able to do all that without disturbing or even changing any of the core application logic or other views. This session will show you how you can achieve that with a combination of the Managed Extensibility Framework (MEF), the MVVM design pattern, and a little bit of help from the Prism Framework. You will learn how to set up a little bit of base class infrastructure in the core application that can then be easily built upon with extensions. You'll see how you can plug in views and view models and model objects and still have those integrated with existing parts of the application they are plugged into, but in a loosely coupled way. You'll walk away with a baseline architecture and sample code for achieving it that will let you grow and extend your WPF and Silverlight client apps over time without needing to constantly crack open the core code and do surgery to add new features. You'll also see what the path to building similar applications in Metro looks like.

### You will learn:

- How to define core application abstractions that let you extend your application from release to release

- How to use MEF to plug in new functionality
- How to use MVVM to dynamically compose views and view models in the main application without it having explicit knowledge of every view

### ■ TH06 Migrating from WPF or Silverlight to WinRT (Level: Intermediate)

**Rockford Lhotka**

Thursday, March 28

9:30am – 10:45am

Many Windows applications today are written in WPF or Silverlight, and this trend will continue for the next several years. At the same time we know that Microsoft is putting all their energies toward the new Windows Runtime (WinRT) development platform. In this session you will learn how to migrate WPF and Silverlight apps to WinRT. As a result you will also learn what you can do today as you create WPF/Silverlight apps to best prepare for the WinRT future.

### Learning points:

- Learn the similarities and differences between WPF/Silverlight and WinRT
- Learn technologies best avoided to ease migration to WinRT
- Learn techniques that make WinRT migration easier

## ASP.NET

Web development technologies continue to evolve and improve, offering rich and powerful capabilities for software developers. Today Microsoft provides ASP.NET Web Forms and MVC, with traditional aspx and Razor page markup languages. These are supported by Visual Studio, WebMatrix, and Expression Web. The updates provided in .NET 4.5 provide substantial improvements to Web Forms, as well as other web technologies. This track covers ASP.NET Web Forms, ASP.NET MVC and related server-side web technologies.



## Session Descriptions by Track, continued

### ■ T17 What's New in ASP.NET 4.5 (Level: Introductory / Intermediate)

**Adam Tuliper**

Tuesday, March 26

2:30pm – 3:45pm

Finally, the long awaited release of ASP.NET 4.5 is here. This session explores the great new features that have been added to in place update known as ASP.NET 4.5. Features explored will include the new request validation options, membership additions and changes including OpenId, OAuth, and Simple Membership, the Web API, MVC4 changes, and Web Forms additions. There will be some discussion of the Entity Framework features involved, since they directly relate to some of the new ASP.NET features as well. Web Forms developers suffering from MVC envy now have reason to celebrate with some great new Web Forms strongly typed control additions as well. We'll explore some new Visual Studio 2012 tooling features that really solidify Visual Studio as the best tool for ASP.NET development.

#### You will learn:

- Understand all of the changes and additions to Web Forms, how it affects current applications, and how to best utilize the features in new applications
- Understand the changes and additions to MVC including understanding what the Web API is

### ■ T22 - 25 Tips and Tricks for the ASP.NET Developer (Level: Introductory / Intermediate)

**Adam Tuliper**

Tuesday, March 26

4:15pm – 5:30pm

This session will cover at least 25 tips and tricks for the ASP.NET Developer. There are many ways to be a successful ASP.NET Developer and it no doubt involves knowing many separate tips and tricks about development, technology, and tools.

#### If you have any interest in topics such as:

- Do you know how to deploy apps retail mode?
- How about easily configuring SSL on your dev box?
- How do multiple ajax requests and the session object affect your application?
- How can I debug when I get the dreaded "?" icon on my breakpoints?
- How can I effectively cache in MVC and how can this help me replace the lack of Viewstate?
- How can I debug an error that is happening in production?

Then this session is definitely for you! Help fill your head with useful tidbits to help you cruise in your next web project!

#### You will learn:

- About various tools at your disposal to make development easier
- Understand how to properly configure and debug production applications to help prevent issues
- Understand how you can build better, more robust applications by including advanced

### ■ W03 Controlling ASP.NET MVC4 (Level: Intermediate)

**Philip Japikse**

Wednesday, March 27

9:15am – 10:30am

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

#### You will learn:

- New features in ASP.NET MVC4
- New mobile support in ASP.NET MVC4
- New WebAPI support in ASP.NET MVC4

### ■ W08 MVC For WebForms Developers: Comparing and Contrasting (Level: Introductory / Intermediate)

**Miguel Castro**

Wednesday, March 27

10:45am – 12:00pm

ASP.NET MVC has been received by a certain part of the development community with an almost zealotry aspect and by others with extreme speculation and even fear. As a web forms developer, it took me a while to eventually get to MVC but the truth is that I really do like it. No I do not think it is the end-all to web development and I still have a lot of love for web forms, but the more I use ASP.NET MVC the more I do get used to it and the more I appreciate everything it offers. In this session, I'll introduce you to the platform and by providing frames of references with web forms and hopefully providing you with the pluses and minuses of both platforms. We'll cover everything from basic rendering to dependency injection to security so prepare for a full brain overload.

#### You will learn:

- Intro to MVC
- Comparisons of its components to WebForm components
- Advantages and disadvantages of both





## Session Descriptions by Track, continued

### ■ W12 Chalk Talk: Improving Web Performance

**Robert Boedigheimer**

Wednesday, March 27

1:15pm – 2:15pm

This session will start with a traditional ASP.NET web site and show step by step how to improve it for both client experience and scalability. Review the basics of caching and learn how to avoid costly server round trips by using expirations to maximize use of the client's browser and also reduce server side execution time with data caching on the server. Use HTTP compression, minification of JavaScript and CSS, and image optimization to reduce client downloads by 50-75%. Take advantage of free CDN networks to host jQuery and Ajax files. See how tools such as Fiddler and Google Page speed can be used to help diagnose and verify improvements. Use jQuery to lazy load images only as they are about to be displayed. Learn the techniques that can have the largest impact on web performance with the least amount of work.

#### You will learn:

- Learn the 3 golden rules of web performance
- Reduce page times by 50% or more using minification and file bundling techniques
- Use tools to evaluate web performance and potential areas of improvement

### ■ W17 ASP.NET MVC - AJAX in Your Views (Level: Introductory / Intermediate)

**Walt Ritscher**

Wednesday, March 27

2:30pm – 3:45pm

The advent of AJAX dramatically changed the web programming world. ASP.NET MVC embraces AJAX and provides a robust implementation of this important programming tool. In this session you'll learn how to use the jQuery \$ajax function to implement an async call back from your view. You discover how to add JSON and HTML data to your views with the AjaxHelper and find out how to build interactive forms with BeginAjaxForm.

#### You will learn:

- See how the AjaxHelper extensions simplify adding the client-side script
- Discover the role jQuery and jquery.unobtrusive-ajax libraries play in MVC AJAX
- How to asynchronously call web services and MVC action methods

### ■ TH08 ASP.NET MVC - Routing in the Spotlight

(Level: Introductory / Intermediate)

**Walt Ritscher**

Thursday, March 28

9:30am – 10:45am

The MVC routing engine in the front door to your ASP.NET MVC application. Get the MVC routing right, and your site will be a pleasure to use, simple to bookmark and rank high in search engine results. But getting it wrong can lead to subtle bugs. The session covers the fundamentals of routing, touching on custom routes, useful URL constraints and proper route error handling. You'll learn how to write Unit tests for routes with MOQ and how to debug problems in the route tables with Glimpse. You also see how to use the route data in your controllers.

#### You will learn:

- Discover how to configure routes to your best advantage
- The best strategies to unit test your route
- Explore server side route debugging with Glimpse

### ■ TH13 From 0 to Web Site in 60 Minutes with Web Matrix

(Level: Introductory / Intermediate)

**Mark Rosenberg**

Thursday, March 28

11:00am – 12:15pm

I will start from scratch and create a new web site in 60 minutes using Web Matrix. The tool is not just for beginners but for experts too and I will cover how an expert can customize what the tool provides.

#### You will learn:

- Understand web matrix
- Customize web matrix
- Use web matrix

### ■ TH18 Creating Web Sites Using Visual Studio LightSwitch (Level: Introductory)

**Michael Washington**

Thursday, March 28

1:30pm – 2:45pm

Visual Studio LightSwitch provides the fastest way to create forms over data line of business applications. By leveraging OData you can use LightSwitch to efficiently create web applications.

#### You will learn:

- How to set up and configure LightSwitch for web applications
- How to read, write, update, and delete data
- How to properly implement security

### ■ TH23 Building Single Page Web Applications with HTML5, ASP.NET MVC4 and Web API (Level: Intermediate)

**Marcel de Vries**

Thursday, March 28

3:00pm – 4:15pm

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

#### You will learn:

- Understand the architectural implications of a Single Page application



## Session Descriptions by Track, continued

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

### VISUAL STUDIO 2012 / .NET 4.5

The Microsoft .NET 4.5 framework includes exciting new capabilities that apply to any type of .NET application. To create these applications, developers use Visual Studio, including its LightSwitch toolset for creating line of business applications. Visual Studio 2012 provides powerful features around debugging, architecture and application lifecycle management (ALM). LightSwitch offers high levels of productivity for building business applications and data services. We'll give you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and LightSwitch today and into the future. Topics in this track include:

- ALM, Visual Studio 2012 tooling, TFS, and DevOps
- Asynchronous/parallel computing
- Design patterns
- .NET compilers, and static analysis of code

#### ■ T04 Mastering Visual Studio 2012 (Level: Introductory / Intermediate)

**Deborah Kurata**

Tuesday, March 26

9:15am – 10:30am

Visual Studio 2012 has many new features and tools. Quick launch and "search everywhere" make VS easier to use. The old static Solution Explorer is now an active

ever-present assistant that provides an overview of your code and allows drilling down through the classes to the properties, methods, and calls. Multi-monitor support is improved with tab rafts. The new Test Explorer helps you manage and execute your tests. And the new SQL Server Object Explorer brings the power of SQL Server Management studio into Visual Studio. Come and see all of these new tools and features to help you master all of Visual Studio 2012.

#### You will learn:

- About the new features of Visual Studio 2012
- To use the new Test Explorer in Visual Studio 2012
- To use the new SQL Object Explorer in Visual Studio 2012

#### ■ T09 IntelliTrace, What is it and How Can I Use it to My Benefits? (Level: Intermediate)

**Marcel de Vries**

Tuesday, March 26

10:45am – 12:00pm

Ever heard of a feature called IntelliTrace? Want to know what it is and how it works? This is the session for you. Based on a set of demo's I will show you how you can use IntelliTrace for your normal average debug session today, but also as postmortem when something went wrong with your application in a test environment or even when your Unit test turned red and you need to fix that problem. Come and see why this feature can be a game changer

**"THE SPEAKERS WERE WELL VERSED AND PASSIONATE ABOUT THEIR TOPICS. THIS MAKES ME RECONSIDER SOME OF THE WAYS I DO THINGS."**

*Brad Morgan, Software Engineer, Henry Schein*

for you today and even more so when we look at the future where we can use it in a production environment!

#### You will learn:

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

#### ■ T18 Team Foundation Server 2012 Builds: Understand, Configure, and Customize (Level: Intermediate / Advanced)

**Benjamin Day**

Tuesday, March 26

2:30 – 3:45pm

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

If you want to eliminate a bunch of integration headaches and improve quality on your project, using TFS Builds is a perfect place to start.

In this talk, Ben will start by giving you a tour of the features. Then he'll move on to show you how to configure your build servers and builds. Finally, he'll show you how to extend and customize the default build scripts to handle environment-specific configuration files, configuring IIS applications, and more.

#### You will learn:

- Why care about automated builds?
- What is the architecture of TFS Build? (Agents, Controllers, Build Scripts)
- Route builds to specific build servers using Tags
- Customize the default build script
- Pass arguments into the automated builds



## Session Descriptions by Track, continued

### ■ T23 Design for Testability: Mocks, Stubs, Refactoring, and User Interfaces (Level: Intermediate / Advanced)

**Benjamin Day**

Tuesday, March 26

4:15pm – 5:30pm

You're sold on unit testing. You're even doing "test first" development but there are always those nagging questions. How do your user interfaces fit into your testing plan? Do I have to call my database in order to have a good, solid test? What about calls into separate sub-systems or calls out to web services? Do you really need to have all those pieces running in order to test your logic? Are my UI tests the same for WPF, Windows Forms, Windows Phone, Win RT, and ASP.NET? What do I do about that app that doesn't have any tests?

In this session, Ben will start by clarifying the difference between unit and integration tests. After that, he'll demonstrate how using dependency injection, mocks objects and stubs can help break dependencies and simplify your tests. Throughout the talk, you can expect to hear a lot about design patterns, how much code coverage is enough, and the fine line between too much and too little object mocking.

#### You will learn:

- Beyond the basics of unit testing
- Visual Studio 2012 Mocks & Fakes Framework
- Model-View-Controller and 's variations (MVC, MVP, MVVM)
- The Repository & Adapter Patterns

### ■ W04 Modern ALM and the DevOps Story (Level: Intermediate)

**Brian Randell**

Wednesday, March 27

9:15am – 10:30am

In the universe of software, it's as if there are two planets: one populated by developers and the other populated by operations folks. Like a scene from Star Trek, getting folks from each planet together requires a neutral zone.



But that's the past. In the modern universe, it can call be different. The intersection of these two different worlds is a place called Developer Operations or DevOps. In this session, Brian will walk you through modern application lifecycle management where continuous is the key word: continuous integration, continuous quality, continuous deployment, and continuous feedback. You'll see what tools Microsoft has to help you, like Team Foundation Server 2012 and System Center Operations Manager 2012 Sp1. You'll see how you can take a single idea and get it into production on an hourly basis if you choose. So get rid of your Federation uniform and your Klingon bat'leth just be a citizen of the universe with DevOps.

### ■ W22 Patterns for Parallel Programming

**Tiberiu Covaci**

Wednesday, March 27

4:15pm – 5:30pm

After more than 40 years Moore's law is still going strong, and it looks like it will continue to do so for at least ten more years, and the free performance lunch is over, unless we change the way we think and program our applications. The Question is not IF, but rather WHEN. Luckily, Microsoft realized that already, and with the Visual Studio 2010 they introduced new technologies like Concurrency Runtime, Task Parallel Library, and Parallel LINQ to help us transition into the world of multi-core programming. .NET 4.5 introduced another paradigm: support for asynchronous programming. Come to this session to see how you can use all those new features.

#### You will learn:

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

### ■ TH11 Managing the .NET Compiler (Level: Intermediate / Advanced)

**Jason Bock**

Thursday, March 28

11:00am – 12:15pm

With the public release of 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 engines, and how you can use them in code analysis and metaprogramming techniques.

#### You will learn:

- Get a thorough walkthrough of the Roslyn APIs
- See 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

### ■ TH16 Understanding Dependency Injection and Those Pesky Containers (Level: Introductory / Intermediate)

**Miguel Castro**

Thursday, March 28

1:30pm – 2:45pm

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. So let's bring you totally up to speed then. 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. 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 end by showing you implementation examples in three different platforms.

#### You will learn:

- Complete explanation of DI concepts
- What problems DI solves
- Coverage of various DI containers

### ■ TH21 Static Analysis in .NET (Level: Intermediate)

**Jason Bock**

Thursday, March 28

3:00pm – 4:15pm

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

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

#### You will learn:

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

## SHAREPOINT / OFFICE

BROUGHT TO YOU BY **SharePoint LIVE!**  
TRAINING FOR COLLABORATION

We've brought the best of SharePoint Live! from Orlando to Las Vegas! In this track you'll learn what's new for developers in SharePoint and Office 2013. SharePoint and Office 2013 changes the way developers approach the platform, and we'll teach you how to benefit from the new concepts and techniques now at your disposal. This track includes:

- SharePoint Developer Boot Camp (workshop)
- SharePoint 2013 and Office 365 development with Visual Studio 2012
- ALM and SharePoint development
- SharePoint 2013 and mobile development

### ■ T05 Building Your First SharePoint 2013 Application Using Visual Studio 2012 (Level: Introductory to Intermediate)

**Darrin Bishop**

Tuesday, March 26

9:15am – 10:30am

SharePoint 2013 includes the new development paradigm SharePoint Applications. This new SharePoint development model allows a cleaner separation of

SharePoint and custom application logic. The new application development model leverages SharePoint and Azure. In this session we will do an end to end coverage of developing and deploying a SharePoint 2013 application using Visual Studio 2012 and Azure.

### ■ T10 Start Developing for Microsoft Office 365 SharePoint Online (Level: Introductory to Intermediate)

**Darrin Bishop**

Tuesday, March 26

10:45am – 12:00pm

If you have not started developing for SharePoint Online then now is the time to start. SharePoint Online just got more interesting as a platform in 2013. This session is a starter session to learn how to develop for SharePoint Online. In this session we will consider the various options available for SharePoint Online development and when each option may be the most appropriate option for the situation. These options range from a web-based interface, SharePoint Designer 2013 and Visual Studio 2012. This session will also discuss development environments for each option.

#### You will learn:

- Options available for SharePoint Online development
- Appropriate scenarios for each option
- Suggested development environments for each option

### ■ T14 Chalk Talk: SharePoint 2013 Search – A Developer's Perspective (Level: Intermediate)

**Ryan McIntyre**

Tuesday, March 26

1:15pm – 2:15pm

SharePoint 2013 enterprise search pulls in many of the capabilities that were previously only available to FAST search for SharePoint customers. In addition to the FAST capabilities, SharePoint 2013 has expanded its options for extensibility through a robust API and more powerful webparts. We will review these new capabilities and



## Session Descriptions by Track, continued

demonstrate how to utilize the new API to build search driven solutions conforming to the new SharePoint 2013 app model.

### You will learn:

- Overview of 2013 search architecture
- Understanding of search API
- Understanding of search customization options

### ■ T19 Unit Testing in SharePoint (Level: Introductory / Intermediate)

**Jim Wooley**

Tuesday, March 26

2:30pm – 3:45pm

The SharePoint platform has plenty of built-in functionality to plug together many existing components. When building custom components and workflows, it is often best to start with coded unit tests to reflect the requirements and isolate your business logic from the SharePoint infrastructure. In this session you will see how to incorporate unit testing into your SharePoint development approach.

### You will learn:

- Understand how to isolate your business functionality to make it testable
- Understand why you would want to incorporate unit testing into your SharePoint development methodology
- How to abstract the SharePoint infrastructure to keep your SharePoint development tests working regardless of environment

### ■ T24 Better Together - SharePoint 2013 and Mobile Development (Level: Introductory to Intermediate)

**Darrin Bishop**

Tuesday, March 26

4:15pm – 5:30pm

Going mobile in SharePoint 2010 was an interesting proposition. To get mobile the designer and developer had to wade through a myriad of issues to display properly on all of the various mobile devices. Creating mobile aware SharePoint applications, SharePoint

integrated mobile applications, were challenging due to limitations of the various data access methods and authentication available to mobile devices. This session will cover what is new with SharePoint 2013 and mobile development and how you can start extending the reach of your SharePoint applications using mobile technologies.

### ■ W05 Developing and Extending Enterprise Content Management Features with SharePoint 2013 (Level: Intermediate / Advanced)

**Paul Swider**

Wednesday, March 28

9:15am – 10:30am

Do you know how to fully leverage the rich set of APIs SharePoint provides for building new features or

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

### You will learn:

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

### ■ W10 Use 2012 (and Beyond) Technology with SharePoint 2010 (Level: Intermediate)

**Ryan McIntyre**

Wednesday, March 28

10:45am – 12:00pm

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

### You will learn:

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





## Session Descriptions by Track, continued

### ■ W19 Build Modern Collaborative Solutions with Office 2013, "Napa" Office 365 Development Tools, and SharePoint 2013 (Level: Introductory)

**Brian Randell**

Wednesday, March 28

2:30pm – 3:45pm

In this introductory session, Brian will provide you with a clear understanding of the various tools and technologies you have available for you today in 2013 to build great collaboration solutions on top of the Office family of products. Like the Doctor with a TARDIS, Brian will provide you with an experienced traveler's guide to what tools you should use when and where for on premise, cloud, and hybrid solutions. You'll understand how VBA, C#, VB.NET, and JavaScript all fit together and how you maintain your development team's sanity to ship your collaboration solution successful without the need of a Sonic screwdriver.

### AZURE/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 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:

- Getting up to speed with Azure
- Azure Mobile Services
- Azure and open source
- Programming in node.js
- Windows Azure Services for Windows 8
- WCF and the ASP.NET Web API (workshop)

### ■ W02 What's New in Azure for Developers

(Level: Introductory / Intermediate)

**Vishwas Lele**

Wednesday, March 27

9:15am – 10:30am

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

#### You will learn:

- About the fast paced changes to the Windows Azure environment
- About PaaS and IaaS can coexist
- About new services such as Windows Azure Media Services, Windows Azure Active Directory and Windows Azure Mobility Services

### ■ W07 In Depth Azure IaaS

(Level: Introductory / Intermediate)

**Vishwas Lele**

Wednesday, March 27

10:45am – 12:00pm

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

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

"We want the Cloud to be a seamless extension of our data center, not a walled garden. We want to use our existing IT setup and tools (AD, SCOM etc.) to manage the on-premises and Cloud-based applications."

...then this session is for you. This session is for anyone who wants to get better understand of the recently-

announced Windows Azure Infrastructure as a Service (IaaS) offering. After a brief overview of the Azure Platform as a Service (PaaS) model, we will focus on key IaaS concepts. Additionally, we will walk you through a number of scenarios enabled by Azure IaaS and several demonstrations. We will cover IaaS Core Concepts, Azure Virtual Machine, Disks & Images, Persistence, VM export / Import, Grouping and Azure Virtual Network.

#### Suggested Background Reading:

- 20 Things That May be "Clouding" Your Choice About the Cloud...But Shouldn't
- Windows Azure Spring 2012 Release: Four Scenarios in the Hybrid Cloud

#### You will learn:

- IaaS Core Concepts
- Azure Virtual Machines and Disk Mobility
- Azure Virtual Network

### ■ W11 Chalk Talk: Moving Web Apps to the Cloud

(Level: Introductory / Intermediate)

**Eric D. Boyd**

Wednesday, March 27

1:15pm – 2:15pm

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 Windows Azure? How can you apply your existing skills and experience to developing cloud apps in Windows Azure? In this session, we will take a simple, traditional ASP.NET app and walk through the migration to Windows Azure. We'll discuss the important considerations, practices, architectural differences, challenges, advantages and economic benefits to consider when migrating to Windows Azure.

#### You will learn:

- Overview of common business challenges and scenarios that drive Cloud migration
- How to move traditional on-premise web apps to Windows Azure



## Session Descriptions by Track, continued

- Architectural considerations for maximizing the value of the Cloud

### ■ W16 IaaS in Windows Azure with Virtual Machines (Level: Intermediate)

**Eric D. Boyd**

Wednesday, March 27

2:30pm – 3:45pm

Windows Azure is a great cloud platform for scalable, on-demand computing power. However, there are scenarios that are not supported by Windows Azure's Cloud Service web and worker roles. In this session, we will explore the traditional Windows Azure web and worker compute roles and walk through the common challenges encountered when using these. We will explore the architecture and internals of Windows Azure, and then explore Virtual Machines and the scenarios that are enabled with a stateful OS in the Cloud. We will walk through the lifecycle of installing, configuring and deploying a Virtual Machine to Windows Azure and we'll consider the tradeoffs and alternatives to using Virtual Machines vs Cloud Services. Finally, we will take a look at what's new in Virtual Machines and how to get started.

#### You will learn:

- The limitations of traditional Web and Worker Roles
- When you should use Windows Azure Virtual Machines
- How to install, configure and deploy a Virtual Machine to Windows Azure

### ■ W21 Bringing Open Source to Windows Azure: A Match Made in Heaven (Level: Advanced)

**Jesus Rodriguez**

Wednesday, March 27

4:15pm – 5:30pm

In recent months we have seen Windows Azure officially embrace notorious open source technologies such as NodeJS, Hadoop, Solr, Memcache or MongoDB. With these model, developers can now use these powerful open source technology while taking advantage of the

elastic, resilient, manageable and scalable capabilities of the Windows Azure platform.

This session will illustrate a series of real world applications that leverage a series of open source technologies hosted in the Windows Azure platform. Specifically, the session will highlight best practices and techniques to leverage technologies such as NodeJS, Hadoop, MongoDB, Solr or Memcache as part of your Windows Azure applications. Additionally, we showcase the patterns developers that will help developers to provision and configure other open source technologies in your Windows Azure environment.

#### You will learn:

- Best practices and techniques for leveraging open source technologies from Windows Azure platform

### ■ TH02 JavaScript, Meet Cloud: Node.js on Windows Azure (Level: Intermediate)

**Sasha Goldshtein**

Thursday, March 28

8:00am – 9:15am

Node.js is an incredibly popular framework for writing event-based server applications in JavaScript. With its hundreds of modules and vibrant ecosystem, it is quickly catching up to other server-based frameworks, and makes it extremely easy to deploy Web applications. The June 2012 refresh introduces Node.js support on Windows Azure, including Azure Web Sites, Cloud Services, and Virtual Machines. In this talk we'll build a Node.js application from scratch and deploy it to Windows Azure in a matter of seconds.

#### You will learn:

- Developing modern Node.js applications.
- Using Windows Azure services from Node.js in the cloud and on-premises.
- Deploying Node.js applications to Windows Azure.

### ■ TH07 Using Windows Azure to Build the Next Generation of Mobile Applications (Level: Advanced)

**Jesus Rodriguez**

Thursday, March 28

9:30am – 10:45am

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

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





## Session Descriptions by Track, continued

Windows 8, iOS, Android and HTML5 applications. Finally, the session will about the capabilities of Windows Azure Mobile Services as a simple and robust model to enable backend capabilities in enterprise mobile applications.

### You will learn:

- Enabling enterprise mobile backend capabilities powered by Windows Azure enterprise
- Windows Azure Mobile Services capabilities
- Best practices for building enterprise mobile applications that leverage the Windows Azure platform

### ■ TH12 Cloud Backends for Your Mobile Apps: Windows Azure Mobile Services and Parse (Level: Intermediate)

**Sasha Goldshtein**

Thursday, March 28

11:00am – 12:15pm

Mobile app developers don't—and shouldn't!—care about servers and clouds, push notification services and databases. Windows Azure Mobile Services (WAMS) and Parse are two cloud-based offerings that provide a complete backend for mobile apps, enabling you to focus on the mobile app infrastructure and code and forget about the server management intricacies. In this talk we'll build a backend for a Windows 8 app, a Windows Phone 8 app, and an Android app using WAMS and Parse, featuring push notifications, database and triggers, user management and more.

**“SEVERAL OF THE PRESENTATIONS WERE CUTTING EDGE – THEY WOULD HAVE INSIDER TIPS THAT YOU CAN'T EASILY SEARCH FOR OR WOULDN'T KNOW TO LOOK FOR.”**

John Kilic  
Web Application Developer  
Grand Canyon University

### You will learn:

- Integrating push notifications on several mobile platforms
- Creating a cloud-based storage backend for your app's data
- Managing users and logins automatically with WAMS and Parse.

### ■ TH17 Using Windows Azure for Solving Identity Management Challenges (Level: Intermediate)

**Michael Collier**

Thursday, March 28

1:30pm – 2:45pm

Identity management for cloud deployed applications can be a challenge. Often users will want to leverage an existing social network or corporate identity. Now we have to worry about dealing with multiple APIs, any updates to those APIs, or the addition of new identity providers. Windows Azure Access Control Services offers a better way! ACS allows for federated user authentication via popular social networks and Active Directory. In this session we'll provide a crash course in claims as they relate to identity management. We'll discuss why claims are important and how to add additional claims beyond what is provided by the identity providers. We'll also demonstrate how to configure ACS for development, as well as production environments. We'll wrap up by showing you how to bring you're new found love of claims and ACS to your mobile applications as well.

### You will learn:

- What are identity related claims and why are they important in modern applications
- Real-world tips on successfully configuring Access Control Services
- Leveraging social identity in web and mobile applications

### ■ TH22 Elevating Windows Azure Deployments

(Level: Introductory / Intermediate)

**Michael Collier**

Thursday, March 28

3:00pm – 4:15pm

One of the core tenants for working with cloud services is automation. When it comes to deploying our new cloud solutions, we want to automate the process as much as possible too. Both Visual Studio and the Windows Azure online management portal make deployments pretty easy - but it's manual. By leveraging tools like PowerShell we can automate much of the mundane deployment tasks, allowing us to have confidence in the final solution. We can further enhance our build and deploy solution by leveraging TFS - giving us continuous cloud deployments! Besides covering deployment options with PowerShell and TFS, in this session we'll also discuss techniques for using handling the inevitable updates of our cloud services. Walking out of this session you'll have a solid understanding, backed by practical real-world examples, of handling service deployments and updates.

### You will learn:

- Real-world inspired advice on using PowerShell for managing Windows Azure
- How to configure TFS to build and deploy Windows Azure solutions
- Pros and cons for various Windows Azure deployment technique

## DATA MANAGEMENT

There's a lot of ground to cover in the data management sphere. LINQ, OData and Entity Framework Code First are compelling technologies you can apply in your work today. The Data Management track at Visual Studio Live! Las Vegas focuses on all of these technologies so you can integrate them into your environment sensibly and pragmatically. This track includes coverage of the following:

- Entity Framework Code First
- OData
- LINQ



## Session Descriptions by Track, continued

### ■ T03 Busy Developer's Guide to MongoDB

(Level: Introductory / Intermediate)

**Ted Neward**

Tuesday, March 26

9:15am – 10:30am

MongoDB is a scalable, high-performance, document-oriented, language/platform-agnostic, schema-free, open-source, native, fast "NoSQL" database that offers a completely different view of how we store data. Built to focus on problems that traditionally have stymied the relational database, Mongo represents a challenge to the developer: it's got a lot of power and promise, but only if she can understand this completely different approach to data persistence, retrieval, and storage. In this session, we'll tackle that precise challenge: to understand how Mongo works and get started working with it, including how to put data into it, find data within it, and so on. Come with an open mind (and maybe a laptop to code alongside as we go).

#### You will learn:

- How to get started with MongoDB
- How to store and retrieve data from MongoDB
- When to use MongoDB

### ■ T08 Busy Developer's Guide to Cassandra

(Level: Introductory / Intermediate)

**Ted Neward**

Tuesday, March 26

10:45am – 12:00pm

The Cassandra database, one of the "NoSQL"-themed databases, uses a very different approach to data storage and modeling (and retrieval and scale) than the traditional relational database. In this session, you'll get a first-hand look at the Cassandra column-oriented data model, how Cassandra stores things in a "ring" of servers to scale, and more importantly, how to store, retrieve, and scale it.

#### You will learn:

- How to install and set up Cassandra

- How to store and retrieve data from Cassandra
- How Cassandra fits into your overall architecture

### ■ T12 Chalk Talk: Neural Networks for Developers

(Level: Introductory / Intermediate)

**James McCaffrey**

Tuesday, March 26

1:15pm – 2:15pm

A neural network is an artificial intelligence technique that is based on biological synapses and neurons. Neural networks can be used to solve difficult or impossible problems such as making predictions based on huge data sets in the Cloud. Examples include determining whether a sports team will win a game or not, and predicting whether a stock price will rise or not. In a short and informal session, Dr. James McCaffrey, from Microsoft Research in Redmond, WA, will describe exactly what neural networks are, explain the types of problems that can be solved using neural networks, and demonstrate some examples of neural networks coded in C#.

### ■ W09 WCF Data services – Getting Started Guide (Level: Introductory)

**Sergey Barskiy**

Wednesday, March 27

10:45am – 12:00pm

This session will concentrate on how to get started with WCF data services, Microsoft technology that implements OData standard. Topics such as authentication types and authorization via interceptors will be covered. Query building will be discussed via proxies and via URLs. Creation of service operations will be covered. Entity Framework Code First and Database First approaches will be talked about. A WinRT / Win 8 XAML application will be built to demonstrate the use of OData client to consume the data.

#### You will learn:

- Create a basic WCF data service with data and operations

- Understand authentication and authorization
- Implement CRUD operations from WinRT Client

### ■ W13 Chalk Talk: NoSQL for the SQL Guy

**Ted Neward**

Wednesday, March 27

1:15pm – 2:15pm

Need level, abstract, learning points

### ■ W18 Entity Framework Code First End to End

(Level: Introductory/Intermediate)

**Sergey Barskiy**

Wednesday, March 27

2:30pm – 3:45pm

This session will cover the use Entity Framework in .NET based applications. Discussion will include model creation and organization as well as schema evolution via migrations. The role of data annotations in Entity Framework model creation and validation will be highlighted. Key issues in achieving performance will be part of the talk, including ability to embed stored procedures when necessary. Creation of a maintainable data access layer via use of repositories will be illustrated. An ASP.NET MVC application will be built throughout the talk to illustrate the concepts.

#### You will learn:

- Schema creation and schema evolution
- Key aspects of achieving high performance
- Repository pattern with entity framework code first

### ■ W23 LINQ Performance and Scalability (Level: Intermediate)

**Jim Wooley**

Wednesday, March 27

4:15pm – 5:30pm

When LINQ arrived in 2008, we were given a new declarative model to perform set based operations. As we begin to use it more in our applications we start to see



## Session Descriptions by Track, continued

the performance implications of using this model in our applications. This session will look at options we have to improve our performance by improving our code, using hash tables with I40, scaling up with PLINQ, scaling out with Dryad and asynchronous operations with Rx. By the end of this session, you should have an understanding of when to use each of these new and emerging technologies to improve your LINQ code.

### You will learn:

- How to optimize your LINQ to objects queries and how to make them scale up and out with additional libraries
- Common pitfalls when using LINQ against databases and how to troubleshoot and fix them
- A number of techniques you can use immediately in your daily development work.

## HTML5 / JAVASCRIPT

HTML5 is an industry-wide phenomenon. Its influence extends not just to the Web but to every major mobile platform, and even to Windows 8. Along with JavaScript and jQuery, HTML5 skills are becoming indispensable to developing in almost any vendor environment and on every device form factor. The Visual Studio Live! Las Vegas HTML5 track helps you get up to speed on this important technology area with sessions and a workshop focusing on:

- jQuery
- TypeScript
- Touch-enabled web development
- Web Sockets

### ■ T02 jQuery Fundamentals

**Robert Boedigheimer**

Tuesday, March 26

9:15am – 10:30am

jQuery provides a very productive environment for client side programming in JavaScript and is used by a majority of major web sites today. It takes advantage of existing knowledge of CSS selector syntax to offer a powerful and efficient alternative to accessing elements. The use of operation chaining and implicit iteration lead to a very compact and productive syntax. The library is very lean at a mere 32K, yet provides a strong base and a great extensibility model which has led to a large number of plugin extensions to simplify web development. The session will review how to use the library for very useful features while avoiding browser inconsistencies, and making AJAX calls to the server. Several plug ins will be demonstrated which provide stunning client experiences with as little as 1 line of code! Learn how JQuery greatly simplifies client side development.

### You will learn:

- Discover many extremely useful jQuery plugins to give rich user experiences with very little code
- Avoid browser inconsistencies by using the jQuery core library
- Leverage Ajax calls to server APIs for better performance and user experience

### ■ T07 Hate JavaScript? Try TypeScript. (Level: Intermediate)

**Ben Hoelting**

Tuesday, March 26

10:45am – 12:00pm

Many C# developers hate JavaScript. I believe 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 2012 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

### ■ T13 Chalk Talk: Beyond Hello World - A Practical Introduction to Node.js (Level: Intermediate)

**Rick Garibay**

Tuesday, March 26

1:15pm – 2:15pm

From simple, utilitarian services that take those long, cumbersome URLs and shorten them into a shorter link for embedding in Twitter, to novelty services that allow you to personalize and track clicks for measuring impressions, there are no shortage of URL shortening services today on the web.





## Session Descriptions by Track, continued

While the APIs and user experience for these services are very simple, have you ever wondered about the design considerations and capabilities required? For instance, the ability to quickly generate a unique URI, manage state of the URI resource, including capturing clicks, timestamps, etc. while scaling to potentially hundreds if not thousands of concurrent requests requires some thought.

In this talk, we'll look at why Node.js is the perfect framework for building a fast, slick little URL shortening service that is easy to maintain and scales really well on the web. We'll look at a few persistence options as well as benchmarks and who knows, we might just write the next killer URL shortening service!

### You will learn:

- Node.js programming fundamentals on Windows
- Design considerations for building a URL shortening service
- Building Node.js services that embrace REST/Hypermedia principles

### ■ T16 Tips for Building Multi-Touch Enabled Web Sites (Level: Intermediate)

**Ben Hoelting**

Tuesday, March 26

2:30pm – 3:45pm

Internet Explorer 10 takes huge strides to enable multi-touch browsing. It also includes many new HTML5 enabled capabilities that speed up the web and provide a more interactive experience. IE 10 is not the only browser making strides in these areas. As web application designers/developers, we need to understand these capabilities and build our application to take advantage of them. This session will define these new capabilities and provide some tips and tricks on how to use them effectively in your web applications.

### You will learn:

- The new multi-touch enabled capabilities of IE 10
- The new HTML5/CSS3 capabilities of IE 10
- Tips and Tricks for using these capabilities

### ■ T21 Build Speedy Azure Applications with HTML 5 and Web Sockets Today (Level: Intermediate)

**Rick Garibay**

Tuesday, March 26

4:15pm – 5:30pm

In the world of HTML5 development, interoperability is king. Unfortunately, sometimes interoperability can be at the expense of performance. With support for bi-directional, full-duplex messaging simply out of the reach of the HTTP protocol, messaging support in HTML5 can be severely limited. Fortunately, standards groups including the W3C and IETF are hard at work on a standard specification called WebSockets which aims to bring these much needed capabilities to the masses.

Come learn how Microsoft is leading the innovation behind this exciting capability with an interactive presentation covering Microsoft's implementation of the HTML5 WebSockets API and how you can provide the performance and functionality required to deliver great user experiences with HTML5, ASP.NET, WCF, Node.js and Windows Azure today.



### You will learn:

- Why the WebSocket protocol and the problems it solves
- How to leverage WebSockets in native browser apps using ASP.NET and WCF WebSocket features in .NET 4.5
- How Azure first-classes support for WebSockets both on the Microsoft stack and alternative platforms like Node.js

## CROSS-PLATFORM MOBILE

Mobile clients are becoming a common way for users to interact with each other, their organizations, and their business applications. Mobile apps might be native client apps or mobile Web sites, and they often make use of cloud-based data and services. This track includes:

- Sharing code between iOS, Android, Windows Phone, and Windows 8
- Using Push Notification Services across mobile platforms
- Create mobile web applications with Visual Studio LightSwitch

### ■ TH04 Sharing up to 80% of Code Building Mobile Apps for iOS, Android, WP 8 and Windows 8 (Level: Intermediate)

**Marcel de Vries**

Thursday, March 28

8:00am – 9:15am

Thinking of building a mobile application? But how can you make it available in today's diverse smart phone market? In order to have a significant coverage of smart phones out there you at least need to support the iPhone/iPad, Android and Windows Phone 7. In this session I will show you how you can create a mobile application for



## Session Descriptions by Track, continued

the primary platforms that dominate the market at this moment and in the future. I will show you how you can program for different platforms while sharing up to 80% of code across the different platforms. I will show you architectural patterns and tips and tricks in C# to abstract device dependencies and increasing your shared codebase. This session is for you if you want to know how you can leverage your existing investments in the .NET platform and C# language. During the session I will build an application that will run on iOS, Android, WP7 & 8 and Windows 8. I also will show you examples of apps we already have in the stores, so you know it is real! This session will show the tools Visual Studio, Mono for Android and Mono Touch for iOS to program all the devices using C#

### You will learn:

- How to build Native apps with C# on iOS, Android and Windows
- Coding patterns that help you reuse more code cross platforms
- How to apply a solution structure that enables better code sharing between projects

### ■ TH09 iOS Development Survival Guide for the .NET Guy

(Level: Introductory / Intermediate)

Nick Landry

Thursday, March 28

9:30am – 10:45am

You've been a .NET developer for the last 10 years. You love Visual Studio. You can spit out C# like a boy scout can tie a knot. But now your boss wants you to build an iPad app for the company. Or maybe you got a good deal on a Mac on eBay and you'll finally write that cool iPhone app that will top the other 600K in the iOS App Store. So where do you get started? What development environment do you use? How do you write apps in Objective C? What other tools & libraries can you use? This session is your survival guide to the world of iOS development as seen from the eyes of a .NET developer. We'll start from the basics and build our first iOS app,

using analogies and comparisons from the familiar world of Visual Studio as our guide. We'll also discuss how to test & deploy our app, and hack our way through the Apple forest, learning to blend in and talk like a true native. If you've ever considered dipping your toes in the iWaters, this session is your chance to take your first dive.

### You will learn:

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

### ■ TH19 Building Multi-Platform Mobile Apps with Push Notifications (Level: Intermediate / Advanced)

Nick Landry

Thursday, March 28

1:30pm – 2:45pm

The best mobile applications don't live in a vacuum. They are augmented by dedicated servers, the Internet and Cloud services. While it's one thing to reach out to server-side services from a mobile application, it's a completely different affair when the tables are turned and the server needs to reach the phone. Enter push notifications. From iOS to Android, Windows Phone and Windows 8, discover how to send push notifications from cloud-hosted services to a mobile app running on a tablet or phone, and learn how to handle those alerts in your mobile app. We'll discuss the various push notification services from Microsoft, Apple and Google, how to leverage them in your mobile applications, how to deal with push scenarios for any given multi-platform app, and we'll also look at platform-specific notifications, like scheduled alerts on iOS and Live Tiles on Windows Phone and Windows 8. The live demos will include a variety of iOS, Windows Phone and Windows 8 apps, and also include technical details about Android.

### You will learn:

- About the common consumer and enterprise scenarios where mobile applications need to receive notifications



and alerts from servers or cloud services

- To Send push notifications from cloud applications in Windows Azure to mobile applications on various platforms
- How to build mobile apps for on Windows Phone, Windows 8 or iOS that can receive and handle push notifications

### ■ TH24 Create HTML5 Mobile Websites with Visual Studio LightSwitch

(Level: Introductory)

Michael Washington

Thursday, March 28

3:00pm – 4:15pm

Visual Studio LightSwitch allows you to create HTML5 mobile websites using the new HTML Client. This allows you to quickly and easily build and deploy applications in minutes that would normally take hours.

### You will learn:

- To create HTML5 multi-page web applications
- To implement custom JavaScript and JQuery plug-ins



## Session Descriptions by Track, continued

### SQL SERVER

BROUGHT TO YOU BY **SQL Server LIVE!**  
TRAINING FOR DBAs AND IT PROS

The best developer content from SQL Server Live! Orlando comes to Las Vegas! This track dives deep into SQL Server 2012, providing you with the knowledge and skills necessary to leverage the powerful features of the latest version of SQL Server. The track includes:

- What's new in SQL Azure?
- SQL Server data tools
- Learning the BI Semantic Model
- T-SQL enhancements
- Optimization of stored procedures
- A full-day workshop on SQL Server 2012
- SQL Azure
- Microsoft's Big Data stack

#### ■ W24 Intro to Windows Azure SQL Database and What's New (Level: Introductory)

**Eric D. Boyd**

Wednesday, March 27

4:15pm – 5:30pm

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

In this session, you will get introduced to SQL Azure and learn how to get started. We will explore how to migrate an existing on-premise SQL Server database to SQL Azure. We will then walkthrough how to manage and administer your SQL Azure servers and databases. We will take a look at how to connect and build applications using SQL Azure. Next, we will look at more advanced scenarios using new

capabilities like reporting with SQL Azure Reporting, scaling and sharding databases with SQL Azure Federations and synchronizing data with SQL Azure Data Sync for hybrid scenarios and global reach. Finally, we will explore some of the things you should consider when using SQL Azure.

#### You will learn:

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

#### ■ TH05 SQL Server Data Tools (Level: Intermediate)

**Leonard Lobel**

Thursday, March 28

8:00am – 9:15am

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

With SSDT, developers can finally enjoy building database applications without constantly switching between Visual Studio and SSMS. In this session, Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and SQL Azure databases. In addition to replicating most of the 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 solution in Visual Studio. Don't miss out on this demo-centric information-packed session on the new generation of database tools for application developers!

#### You will learn:

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

#### ■ TH10 Programming the T-SQL Enhancements in SQL Server 2012 (Level: Intermediate)

**Leonard Lobel**

Thursday, March 28

9:30am – 10:45am

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

#### ■ TH15 Getting to Know the BI Semantic Model (Level: Intermediate)

**Andrew Brust**

Thursday, March 28

11:00am – 12:15pm



## Session Descriptions by Track, continued

The Business Intelligence Semantic Model (BISM) is central to Microsoft's analytics strategy. BISM powers the newest components in Microsoft's Business Intelligence stack, and is in reality an important weapon in Microsoft's Big Data arsenal as well.

More important, BISM is essentially a relational model for BI and analytics, for the first time opening up the Microsoft BI world to professionals working with SQL Server and other relational databases.

In this session, longtime Microsoft BI expert and ZDNet Big Data blogger Andrew Brust will explain BISM, by showing it to you at work inside PowerPivot, SQL Server Analysis Services and Power View. Along the way you'll learn about DAX (Data Analysis eXpressions), xVelocity in-memory and column store technologies and how BISM interfaces with Big Data and NoSQL data stores. Most of all, you'll learn how your current development and database skills can be applied to the hottest areas in technology right now: the worlds of Data Science, Big Data and BI.

### You will learn:

- Learn the basics of PowerPivot, SSAS Tabular mode and Power View
- Learn about the BI Semantic Model and DAX expression language
- Understand column store, Big Data and NoSQL technologies, and how to use them together

### ■ TH20 Big Data-BI Fusion: Microsoft HDInsight & MS BI (Level: Intermediate)

Andrew Brust

Thursday, March 28

1:30pm – 2:45pm

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

But why in the world would Microsoft embrace an open source technology, written in Java, and customarily run on clusters of Linux servers? Two words: Business Intelligence. HDInsight (and Hadoop in general) become far more enterprise-friendly when combined with Microsoft BI technologies like PowerPivot, Analysis Services and Power View. And those BI technologies become far more valuable when analyzing output from Hadoop and other Big Data technologies. And then there's SQL Server Parallel Data Warehouse, which actually blends the BI and Big Data worlds together in one product.

In this session, Microsoft BI expert and ZDNet Big Data blogger Andrew Brust will introduce you to HDInsight and its developer tools, demonstrate relevant BI tools and show how they work together. He'll also show how developers with relational database skills can make the jump into this exciting and opportunity-filled area.

### You will learn:

- Learn about Microsoft HDInsight, its .NET SDK for Hadoop, and LINQ Provider for Apache Hive
- Understand how Microsoft's newest BI technologies work

- See how SQL Server Parallel Data Warehouse's PolyBase technology integrates Hadoop and SQL Server
- Learn how HDInsight and Microsoft BI, together, make Big Data ready for mainstream devs and the Enterprise

### ■ TH25 Optimizing Stored Procedures (Level: Introductory / Intermediate)

Mark Rosenberg

Thursday, March 28

3:00pm – 4:15pm

In this talk I will talk about SQL Server stored procedures and techniques you can use to optimize them. I will cover stored procedures from a developer's point of view including table variables, common table expressions and temporary tables. Which do you use and when do you use it. There will also be a number of quick tips that you can use to improve query performance when you walk out of the session.

### You will learn:

- Understand Optimization of stored procedures
- Understand Temporary Tables
- Understand Table Variables





## Modern Apps **LIVE!** Session Descriptions by Track

MODERN APPS FROM START TO FINISH

### BUY 1 EVENT, GET 1 FREE

Visual Studio Live! Las Vegas attendees will receive **FREE** access to all Modern Apps Live! sessions.

Modern Apps Live! offers a “soup to nuts” view of Modern Applications. There will be an emphasis on Application Lifestyle Management (ALM) best practices and supporting tools, which when applied with leading technologies (such as Azure, Windows 8, Visual Studio, Team Foundation Server and SQL Server 2012), create a path to successful delivery of Enterprise class applications. Learn how to get an app done successfully.

*Please Note: Priority seating for Modern Apps Live! sessions will be given to Modern Apps Live! registrants.*

#### **MAL01 Introduction to Modern App Development** (Level: Intermediate)

**Rockford Lhotka**

Tuesday, March 26

9:15am – 10:30am

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 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.

#### **MAL02 Leveraging TFS and CI in Modern App Dev** (Level: Intermediate)

**Brian Randell**

Tuesday, March 26

10:45am – 12:00pm

This session gets you started on the right foot by walking through the process of setting up a project in TFS, including the use of source control, 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 TFS to gather and manage requirements and the overall project lifecycle.

#### **MAL03 Free TFS Online Signup**

(Level: Everyone)

**Magenic / Microsoft**

Tuesday, March 26

1:15pm – 2:15pm

Microsoft and Magenic representatives will demonstrate the value of TFS Online, and will help you register for your own free TFS Online account.

#### **MAL04 Business Layer Implementation** (Level: Intermediate)

**Jason Bock**

Tuesday, March 26

2:30pm – 3:45pm

In this session you will learn how to design and create a reusable business layer for your application. Discussion will include the use of domain-driven object-oriented techniques, service-oriented techniques, workflows, and function libraries. As a result of this session you’ll understand when to use these techniques, either alone or in concert, to achieve important software design goals. You’ll also learn the value open-source frameworks such as CSLA .NET can provide in supporting your development efforts.

#### **MAL05 Modern App Design**

(Level: Intermediate)

**Billy Hollis**

Tuesday, March 26

4:15pm – 5:30pm

User experience and application workflow are key aspects of any modern app. Modern apps have 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.

#### **MAL06 Developer Testing**

(Level: Intermediate)

**Jason Bock & Andy Tinkham**

Wednesday, March 27

9:15am – 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 about kicking off a project with a coordinated test strategy to ensure the team functions efficiently as a whole. We’ll then dive into developer testing techniques – how to implement basic code testing, how to use tools like FxCop, and why you want to stretch toward more comprehensive unit and integration testing. 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.

#### **MAL07 Data Access and SQL Server**

(Level: Intermediate)

**Steve Hughes & Dave Stienessen**

Wednesday, March 27

10:45am – 12:00pm

An application’s business layer requires data to function, and that means having a data access layer and a database. These two must work together to provide performant, scalable, and efficient access to the application’s data. In this session you’ll hear developer and database expert viewpoints on the pros and cons of using Entity Framework, stored procedures, index and key optimization, query optimization, and more. You’ll learn the trade-offs between the various options, and how to minimize the impact of any specific choice by abstracting the data access code from the rest of the application.



## Modern Apps **LIVE!** Session Descriptions by Track, continued

MODERN APPS FROM START TO FINISH

### **MAL08 Free Azure Trial Signup**

(Level: Everyone)

**Magenic / Microsoft**

Wednesday, March 27

1:15pm – 2:10pm

Microsoft and Magenic representatives will demonstrate the key features of Windows Azure, including PaaS hosting, IaaS hosting, and mobile services. You will also have an opportunity to sign up for and get started with your own free Windows Azure trial account. (We suggest bringing your own laptop or tablet)

### **MAL09 Application Server, Windows Server, and Windows Azure**

(Level: Intermediate)

**Rockford Lhotka**

Wednesday, March 27

2:30pm – 3:45pm

In today's world many applications are n-tier or service-oriented, or both. Application servers provide scalability beyond the needs of most applications, but also provide security and manageability benefits required in many scenarios. This session will demonstrate how to configure and deploy application server logic in Windows Server (private cloud) and in Windows Azure (public cloud) environments. As a result, you'll understand how to use WCF and Web API service hosting to create scalable, secure, and reliable application servers for your applications.

### **MAL10 Designing a Windows 8, Windows Phone 8, and iPad App**

(Level: Intermediate)

**Billy Hollis & Anthony Handley**

Wednesday, March 27

4:15pm – 5:30pm

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 set a high bar for even the simplest app. This session focuses on the user experience

design process and the types of user experience requirements you must take into account when designing a modern app. These requirements and design factors feed into the user interfaces expressed on PCs, tablets, and phones. In many ways, the success or failure of any application flows directly from the quality of the UX design.

### **MAL11 Building a Modern Windows 8 (WinRT) App**

(Level: Intermediate)

**Brent Edwards**

Thursday, March 28

8:00am – 9:15am

The centerpiece of Microsoft's modern apps story is Windows 8 and the new Windows Runtime (WinRT) development platform. In this session you'll learn how to implement a smart-client application on WinRT that leverages the business layer, application server, data layer, and mobile services created in previous talks in this track. You'll leave the session understanding how and why you'll want to leverage WinRT features like search, share, and settings, along with other rich platform capabilities.

### **MAL12 QAT and Automated Testing of Modern Apps**

(Level: Intermediate)

**Andy Tinkham**

Thursday, March 28

9:30am – 10:45am

While developers focus on testing at the system component level, the testers on a project are responsible for verifying the system functions correctly as a whole and meets the users' needs. They are also looking at other characteristics of the system such as performance or usability, and testing to ensure that any regressions that slip into the system are caught quickly. Some of this testing can be automated, while some requires a human tester to execute the tests effectively. In this session, you'll learn how to plan and prioritize testing efforts to provide valuable and timely information about the status of the system and how to effectively start implementing manual and automated testing for your application. We'll also talk about incorporating in non-functional testing efforts (such as performance or usability) into your team's efforts.

### **MAL13 Building a Modern iPad App**

(Level: Intermediate)

**Nick Landry**

Thursday, March 28

11:00am – 12:15pm

The back-end business, data, application, and mobile services can also be used to support applications build 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 8 and Windows Phone 8.

### **MAL14 Building a Modern Windows Phone App**

(Level: Intermediate)

**Brent Edwards**

Thursday, March 28

1:30pm – 2:45pm

Windows Phone 8 shares a common kernel with Windows 8, and has a broadly overlapping version of the Windows Runtime called WinPRT. In this session you'll learn how to implement a smart-client mobile application on WinPRT that leverages the same business, data, and other services as the Windows 8 app, providing the user with a comparable set of features, but optimized for the Windows Phone form factor.

### **MAL15 Leveraging Your Data Through Business Intelligence**

(Level: Intermediate)

**Steve Hughes**

Thursday, March 28

3:00pm – 4:15pm

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.



## Conference Speakers

### ADVISORY BOARD

#### 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.

#### Keith Ward

*Editor in Chief, Visual Studio Magazine*



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



**"I REALLY ENJOYED THE INFORMAL SETTING AND THE ABILITY TO TALK ONE-ON-ONE WITH THE PRESENTERS."**

*Tyler Perkins, Senior Software Engineer, IM Flash Technologies, LLC*

### SPEAKERS

#### Sergey Barskiy - Principal Consultant, Magen Technologies



Credentials: Microsoft MVP, MCSD, MCTS, MCDBA, MCAD, MCP I am a principal consultant with Magen Technologies. I am a Microsoft MVP in Data Platform category. I have the following certifications: MCSD for .NET, MCAD for .NET, MCDBA, MCP. I have been working with Microsoft products for 13+ years. I worked with SQL Server, VS.NET and .NET framework for many years. I enjoy what I do and try my best to keep up with rapidly evolving industry. I frequently speak at various events around Atlanta.

#### Darrin Bishop - Founder and Director, Aptillon, Inc.



Darrin is a founder, and director of Aptillon, as well as a SharePoint MVP and has been involved in SharePoint since 2001 when the code-named product Tahoe was released as SharePoint Portal Server 2001. Darrin has a diverse background in SharePoint and has covered the product lifecycle from envisioning, design, installation, development, customizations and even administering farms. Recently Darrin has been working with SharePoint, mobile platforms and Azure He has been focusing on the integration of the platforms with SharePoint 2010. You can commonly find Darrin speaking at user groups and conference. You can read Darrin's blog posts on the Aptillon blog at <http://blog.aptillon.com/category/darrin-bishop> or at Darrin's blog at <http://darrinbishop.com/blog>.

#### Jason Bock - Principal Consultant, Magen Technologies



Jason Bock is a Principal Consultant for Magen (<http://www.magenic.com>) and a Microsoft MVP (C#). He has worked on a number of business applications using a diverse set of substrates and languages such as C#, .NET, and Java. He is the author of "Applied .NET Attributes", "CIL Programming: Under the



## Conference Speakers, continued

Hood of .NET", ".NET Security", and "Visual Basic 6 Win32 API Tutorial". He has written numerous articles on software development issues and has presented at a number of conferences and user groups. He is a leader of the Twin Cities Code Camp (<http://www.twincitiescodecamp.com>) and runs the Twin Cities Languages User Group (<http://www.twincitieslanguagesusergroup.com>). Jason holds a Master's degree in Electrical Engineering from Marquette University. Visit his web site at <http://www.jasonbock.net>.

### Robert Boedigheimer - Principal Systems Developer, Schwans Shared Services, LLC



Robert Boedigheimer works for Schwans Shared Services, LLC providing business solutions with web technologies and leads Robert Boedigheimer Consulting, LLC. Robert has been designing and developing web sites for the past 15 years including the early days of ASP and ASP.NET. He is a columnist for [aspalliance.com](http://aspalliance.com), a Pluralsight Author, an ASP.NET MVP, an author, a MCPD: ASP.NET 3.5, and a 3rd degree black belt in Tae Kwon Do. Robert has spoken at industry conferences including Visual Studio Live!, Heartland Developers Conference, DevLink, DevTeach, Tulsa Tech Fest, DevWeek, DevReach, SDC, TechEd, DevConnections, AJAXWorld, and numerous national and international events.

### Eric D. Boyd - Founder and CEO, responsiveX



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

### Andrew J. Brust - Founder & CEO, Blue Badge Insights



Andrew J. Brust is Founder and CEO of Blue Badge Insights and writes a blog for ZDNet called "Big on Data". (<http://www.zdnet.com/blog/big-data>). Blue Badge Insights provides strategy and advisory services to Microsoft customers and partners. The company derives from Andrew's background in application software development dating back to 1985, and his industry expertise in Microsoft technologies like .NET, SQL Server and Analysis Services. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; serves as Microsoft Regional Director and MVP; is conference co-chair of Visual Studio Live!; and writes Visual Studio Magazine's "Redmond Review" column.

### Miguel Castro - Architect, IDesign



Miguel Castro is an architect with IDesign with over 22 years of experience in the software industry. He's a Microsoft MVP, member of the INETA Speakers Bureau, and ASP Insider. With a Microsoft background that goes all the way back to VB 1.0 (and QuickBasic in fact), Miguel has spoken at numerous user groups, code camps, and conferences throughout the US and overseas. He has also been featured on the technology talk shows, .NET Rocks, .NET Rocks-TV, Microsoft's ARCast (Architecture Podcast), and The Polymorphic Podcast on numerous occasions. He specializes in architecture and development consulting and training using Microsoft technologies. Miguel is also a regular author with CoDe Magazine.

### Michael Collier - National Architect, Windows Azure, Neudesic



Michael Collier serves as a Windows Azure National Architect for Neudesic, a Microsoft SI partner that specializes in Windows Azure. Michael also holds the distinction of being one of the first Windows Azure MVPs awarded by Microsoft. He has nearly 11 years of experience building Microsoft-based applications for a wide range of clients. Michael spends his days serving as a developer or architect "helping clients succeed with the Microsoft development platform. You can follow Michael on Twitter at [www.twitter.com/MichaelCollier](http://www.twitter.com/MichaelCollier) and on his blog at [www.MichaelSCollier.com](http://www.MichaelSCollier.com).





## Conference Speakers, continued

**Andrew Connell** - Co-Owner, Instructor, Developer, Author, Critical Path Training, LLC



Andrew Connell is an author, instructor and co-founder of Critical Path Training ([www.CriticalPathTraining.com](http://www.CriticalPathTraining.com)), a SharePoint education focused company. Andrew is an eight-time recipient of Microsoft's Most Valuable Professional (MVP) award (2005-2012) for Microsoft Content Management Server (MCMS) & Microsoft SharePoint Server. He has authored and contributed to numerous MCMS and SharePoint books over the years including his book Professional SharePoint 2007 Web Content Management Development by WROX and is the author of numerous articles on the Microsoft Developer Network (MSDN) & in various print magazines. Andrew has spoken on the subject of SharePoint development and WCM at conferences and community events in the United States, Australia, England, Spain and Netherlands. You can find Andrew on his blog ([www.andrewconnell.com/blog](http://www.andrewconnell.com/blog)) and on Twitter @andrewconnell.

**Tiberiu Covaci** - Independent Trainer



Tiberiu started his career as a professional developer in 1991. Since 2004 he has worked as an independent trainer, teaching classes about .NET programming on all levels. But what he loves most is teaching introductory courses because that gives him a chance to influence future .NET programmers. His passion about technology made him a much appreciated speaker at different conferences like TechEd US & Europe, DevReach, NDC, TechDays, and ScanDev. He is a Group Leader for Sweden .NET User Group, an INETA Speaker Bureau member, INETA Country Lead for Sweden, and Telerik MVP.

**Benjamin Day** - Architect / Trainer / Coach, Benjamin Day Consulting, Inc.



Benjamin Day is a consultant and trainer specializing in software development best practices using Microsoft's development tools with an emphasis on Silverlight, Team Foundation Server, Windows Azure, and Scrum. He is a Microsoft Visual Studio ALM MVP, a certified Scrum trainer via Scrum.org, and a speaker at conferences such as TechEd and VSLive. When not developing software, Ben likes to hang out with his wife and cats, play jazz piano, and geek out on all things food. He can be contacted via [benday.com](http://benday.com) and [blog.benday.com](http://blog.benday.com).



**Marcel de Vries** - Technology Manager, Info Support



Marcel spends most of his time helping customers build enterprise systems based on Microsoft Technology. He has been working with Microsoft technology since he graduated in Computer Science in 1996. He started mainly with C/C++ and MFC. When Microsoft launched its new .NET platform in he immediately used it to write the first commercial application to go live in the Netherlands based on ASP.NET. Marcel writes articles and whitepapers on .NET and Team System for MSDN, Architecture Journal and Dutch local magazines like .NET magazine. Marcel is a frequent speaker at conferences like Microsoft Developer Days, SDC, MCT Summit and is besides his work as an IT Architect consultant at large bank and insurance companies also Technology Manager at Info Support and a Microsoft Certified trainer. As a trainer he teaches courses on Visual Studio ALM, Windows Workflow Foundation and Mobile development. Marcel is a Visual Studio ALM MVP and Microsoft Regional Director for the Netherlands.

**Ben Dewey** - Senior Software Consultant, Tallan, Inc



Ben Dewey is currently employed at Tallan, Inc. as a Senior Software Consultant. Ben Dewey works during the day on Web and XAML based technologies with heavy use of WCF and a service-based architecture. In his free time, Ben Dewey works on Apps for mobile platforms and has two apps on the Windows Phone Marketplace. Ben strives to create SOLID applications of the highest craftsmanship while paying special attention to clean User Experiences (UX). Ben Dewey recently completed a book title A Guide to Metro Style Apps for O'Reilly publishing. Ben is actively involved in numerous community events, from speaking at local user groups and helping to organize the ALT.NET Meetup in NYC. In addition he make occasional posts to his blog at <http://bendewey.com/blog>



## Conference Speakers, continued

### **Brent Edwards** - Associate Principal Consultant, Magenic



Brent Edwards is an Associate Principal Consultant for Magenic and a co-founder of the Twin Cities Windows 8 User Group. He is an accomplished software developer, architect, mentor, and speaker with over 8 years of experience in developing innovative solutions with Microsoft technologies. Brent has worked on projects ranging from ASP.NET MVC with jQuery to WPF to Silverlight. He is also the author of MVVM Fabric (<http://mvvmfabric.com/>), a free MVVM framework for WPF. In addition to Microsoft technologies, Brent develops applications for the Android platform. His apps have over two million downloads and he was selected by Google as a Top Android Developer for their Device Seeding Program. When not cranking out code, you can find him hanging out with his wife and four kids or riding his wakeboard, snowboard or mountain bike. Check out his blog at <http://brentedwards.net> and follow him on twitter @brentledwards.

### **Rick Garibay** - General Manager, Connected Systems, Neudesic



With over 13 years of experience delivering solutions on the Microsoft platform across industry sectors such as finance, transportation, hospitality and gaming, Rick is a developer, architect, speaker and author on distributed technologies and is the General Manager of the Connected Systems Development Practice at Neudesic. Rick specializes in distributed technologies such as Microsoft .NET, Windows Communication Foundation, Workflow Foundation, and Windows Azure to deliver business value and drive revenue while reducing operational costs. Rick serves as a member of the Microsoft Application Platform Partner Advisory Council and is an advisor to Microsoft in a number of capacities including long-time membership on the Business Platform and Azure Technology Advisors group. As a five-time Microsoft Connected Systems MVP, Rick is an active speaker, writer and passionate community advocate in the national .NET community. Rick is the Co-Founder of the Phoenix Connected Systems User Group, celebrating four years in operation. Recent presentations include talks at the Microsoft SOA and Business Process Conference in Redmond, WA, Microsoft TechEd, Dev Connections, .NET Rocks, Desert Code Camp, and numerous Microsoft events throughout North America. Rick is a frequent contributor to industry publications such as CODE Magazine, and is the co-author of "Windows Server AppFabric Cookbook" by Packt Press. You can catch up with Rick at <http://rickgaribay.net>.

### **Anthony Handley** - User design Lead, Magenic



A 17-year design veteran, Anthony Handley leads Magenic's user experience design practice and is a five-time recipient of the Microsoft MPV Award. In the design and technology communities, he is a passionate advocate of compelling, intuitive experiences. As a thought leader at Magenic, Anthony and his team help clients bring exceptional user experiences to their customers across a variety of channels and platforms including Windows 8, Windows Phone, iOS, Android and the Web.

### **Ben Hoelting** - Senior Software Developer, Intelligent Software Solutions, Inc



Credentials: C# MVP, MCPD for Web and Windows .NET 4.0 Ben Hoelting: Senior Software Developer, Intelligent Software Solutions, Inc. (ISS) and C# MVP. Ben graduated from Colorado State University in 1997 and joined the IT industry. Worked as a consultant for Colorado Technology Consultants, Inc. from 2005 – 2010 before joining ISS. His most recent projects include a Silverlight line of business application that uses the ADO.NET Entity Framework to access the backend data store. He also is working on an office automation solution that extends PowerPoint. Ben is a Microsoft Certified Professional Developer (MCPD) for Web and Windows .NET 4.0. His blog is at <http://www.benhblog.com> and his twitter stream is at <http://twitter.com/benhnet>. Finally, Ben is very involved in the .NET community. He is the leader of the South Colorado .NET User Group and a regular speaker at user groups, code camps and conferences around the country.

### **Sasha Goldshtein** - CTO, SELA Group



Sasha Goldshtein is the CTO of SELA Group, a Microsoft C# MVP, and an international consultant and trainer. Sasha is the author of "Introducing Windows 7 for Developers" (Microsoft Press, 2009) and "Pro .NET Performance" (Apress, 2012), a prolific blogger, and author of numerous training courses including Parallel Programming, Windows Internals, .NET Debugging, and .NET Performance. His consulting work revolves mainly around distributed architecture and high-performance systems.





## Conference Speakers, continued

### Billy Hollis - Next Version Systems



Billy Hollis is an author and software developer from Nashville, Tennessee. Billy is co-author of the first book ever published on Visual Basic .NET, VB .NET Programming on the Public Beta. He has written many articles, and is a frequent speaker at conferences. He is the Regional Director of Developer Relations in Nashville for Microsoft, and runs a consulting company focusing on Microsoft.NET. You can visit his website at: [www.billyhollis.com](http://www.billyhollis.com)

### Steve Hughes - Practice Lead, Magenitc



Steve Hughes is a Practice Lead at Magenitc. He works with Microsoft's SQL Server stack to deliver data and business intelligence solutions. He has been working with technology for over 15 years with much of that time spent on creating business intelligence solutions including multidimensional databases, reporting solutions, and data marts. He is passionate about using data effectively and helping customers understand that data is valuable and profitable. Steve also has experience working with a large Software as a Service vendor where he received awards for customer satisfaction and engineering excellence. In 2010, he received Consultant of the Year honors at Magenitc. Steve believes the data in the cloud will change how information can be delivered to and consumed by the masses. He also provides insights from the field on his blog at <http://www.dataonwheels.com>. Steve currently leads the Minnesota SQL Server User Group (PASSMN) and is a PASS Regional Mentor for the Northeast.

### Philip Japikse - Patterns & Practices Evangelist, Telerik



Phil Japikse has been working with .Net since the first betas, and developing software for over 20 years. Phil is a Microsoft MVP and also holds MCSD, MCDBA, CSM, and CSP certifications. Phil is an international speaker and a passionate member of the developer community, speaking at Code Camps and Days of .NET all across the country as well as serving as the Lead Director for the Cincinnati .Net User's Group. Phil works as the Patterns and Practices Evangelist for Telerik ([www.telerik.com](http://www.telerik.com)), is a Firefighter/Paramedic, and a volunteer for the Ski Patrol. You can follow Phil on twitter via [www.twitter.com/skimedic](http://www.twitter.com/skimedic) and read his blog at [www.skimedic.com/blog](http://www.skimedic.com/blog).

### Deborah Kurata - President, InStep Technologies, Inc.



Deborah Kurata is cofounder of InStep Technologies Inc., a professional consulting firm that focuses on turning your business vision into reality using Microsoft .NET technologies. She has over 17 years of experience in architecting, designing, and developing successful applications. Deborah has authored several books, including the "Doing Objects in Visual Basic" series (Addison-Wesley), "Best Kept Secrets in .NET" (Apress) and "Doing Web Development: Client-Side Techniques" (Apress). Deborah speaks at conferences such as VSLive, DevDays, and TechEd. For her work in support of software development and software developers, she has been recognized with the Microsoft Most Valuable Professional (MVP) award. After a hard day of coding and taking care of her family, Deborah enjoys blowing stuff up (on the Xbox of course).

### Nick Landry - Senior Product Manager, Infragistics



Nick Landry (@ActiveNick) is a Senior Product Manager for Infragistics, the world leader in user interface development tools that empower developers to build and style immersive user experiences and rich data visualization in line of business applications

across all .NET platforms, the Web and mobile devices ([www.infragistics.com](http://www.infragistics.com)). Nick is at the helm of Infragistics' mobile, data visualization and mapping developer tools across multiple technologies and platforms. He previously spent a total of 16 years of his career in IT consulting and services organizations across various technical and business roles, designing, building, managing and selling innovative software solutions for some of the world's top brands and Fortune 500 companies. Known for his dynamic and engaging style, he is a frequent speaker at major software development conferences worldwide like TechEd, DevConnections, DevTeach and others, and is an 8-year Microsoft MVP awarded on Windows Phone Development. With 20 years of professional experience, Nick is a developer and software architect by trade and specializes in Enterprise Mobility, Location Intelligence & Mapping, Touch Computing & NUI, Cloud Computing and Game Development with XNA. He wrote multiple articles for CODE Magazine, published white papers, wrote several mobility courses, has been a technical editor for IT books, and holds several professional certifications. Blog: [www.ActiveNick.net](http://www.ActiveNick.net) LinkedIn: [www.linkedin.com/in/activenick](http://www.linkedin.com/in/activenick)





## Conference Speakers, continued

### Vishwas Lele - Architect, AIS



Vishwas Lele is an AIS Chief Technology Officer and is responsible for the company vision and execution of creating business solutions using .NET technologies. Vishwas brings close to 20 years of experience and thought leadership to his position, and has been at AIS for 13 years. A noted industry speaker and author, Vishwas is the Microsoft Regional Director for the Washington, D.C. area and a member of the Connected Systems Division Advisors group. Additionally, Vishwas has received an MVP (Most Valuable Professional) for Solution Architecture award for 2009.

### Rockford Lhotka - CTO, Magenix



Rockford Lhotka is the CTO of Magenix, 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. Magenix is a company that

specializes in planning, designing, building and maintaining your enterprise's most mission critical systems.

### Leonard Lobel - CTO, Sleek Technologies, Inc.



Leonard Lobel is the chief technology officer (CTO) and co-founder of Sleek Technologies, Inc., a New York-based development shop with an early adopter philosophy toward new technologies that services organizations ranging from small shops to high-profile clients. He is also a principal consultant at Tallan, Inc., a Microsoft Gold Certified Partner. Programming since 1979, Lenni specializes in Microsoft-based solutions, with experience that spans a variety of business domains, including publishing, financial, wholesale/retail, health care, and e-commerce. Lenni is also a Microsoft MVP for SQL Server, lead author of the MS Press book "Programming Microsoft SQL Server 2008" (currently being updated for SQL Server 2012), consultant, trainer, and frequent speaker at local usergroup meetings, Visual Studio Live!, SQL PASS, and other industry conferences. He can be reached at [lenni.lobel@sleektech.com](mailto:lenni.lobel@sleektech.com).

### James McGaffrey - Microsoft Research



James McGaffrey works for Microsoft Research in Redmond, WA. James has a B.A. in mathematics from California State University at Fullerton, a B.A. in psychology from California State University at Fullerton, an M.S. in computer science from Hawaii Pacific University, and a Ph.D. from the University of Southern California. James is the Senior Contributing Editor for Microsoft's MSDN Magazine under contract through Volt Information Sciences, Inc.

### Ryan McIntyre - Practice Director, Portals & Collaboration, Neudesic



Ryan McIntyre is the Practice Director at Neudesic for portals and collaboration, including the SharePoint platform. He has been involved in delivering SharePoint solutions since the beta version of Microsoft Office SharePoint Server (MOSS 2007) and holds Microsoft Professional certifications in both SharePoint 2010 Configuration and SharePoint 2010 Application Development.

### Ted Neward - Architectural Consultant, Neudesic



Ted Neward is a programming language, virtual machine, and enterprise-scale system architect. He has written a dozen books and hundreds of articles on .NET, Java, enterprise systems, and programming languages. He resides in the Pacific Northwest. He can be found on the Internet at <http://www.tedneward.com>, particularly his weblog at <http://blogs.tedneward.com>.

### Brian Noyes - Chief Architect, IDesign Inc



Brian Noyes is Chief Architect of IDesign Inc, a Microsoft Regional Director and Microsoft MVP. Brian is a frequent top rated speaker at conferences including Visual Studio Live!, Microsoft TechEd US, EU, Africa, and Asia, DevConnections, DevTeach and others. Brian is author of Developers Guide to Microsoft Prism 4, Developing Applications with Windows Workflow Foundation, Data Binding in Windows Forms 2.0, and Smart Client Deployment with ClickOnce. Brian got started programming as a hobby while flying F-14 Tomcats in the US Navy, later turning his passion for code into his current career.





## Conference Speakers, continued

### Brian Peek - Senior Technical Evangelist, Microsoft



Brian Peek is a Technical Evangelist at Microsoft, working on the Channel 9 team. Previously a Microsoft MVP in the C# discipline, he has authored numerous articles and projects for the Coding4Fun website and Microsoft conferences. Brian specializes in

software development using a variety of Microsoft technologies and platforms. He is also well-versed in hardware projects, graphics and game development. Additionally, he has co-authored the book "Coding4Fun: 10 .NET Programming Projects for Wiimote, YouTube, World of Warcraft, and More" published by O'Reilly, and the book "Debugging ASP.NET" published by New Riders. Brian speaks at conferences around the country and can be reached on Twitter at @BrianPeek or via his blog at <http://www.brianpeek.com>.

### Brian Randell - Senior Consultant, MCW Technologies



Brian A. Randell is a senior consultant with MCW Technologies, LLC. For over 20 years, Brian has been building software solutions and educating his fellow developers. Brian spends his time teaching Microsoft technologies to developers, working with new and emerging technologies like Visual Studio 2010, Team Foundation Server 2010, SQL Server 2008 R2, and SharePoint 2010, and consulting worldwide for Fortune 500 companies like Microsoft, state and local governments, and small businesses. Brian enjoys helping people get the most out of their software. He does this through training for MCW Technologies and speaking at events such as Visual Studio Live!, Tech•Ed, and the PDC. In addition, Brian shares through the written word. Brian currently writes the Team System column for MSDN Magazine.

### Walt Ritscher - Consultant / Trainer, Wintellect



Walt Ritscher has trained thousands of corporate developers during the last fourteen years. An active speaker, his teaching schedule has taken him throughout the world providing developer training at corporations, universities, and software conferences. He has

collaborated on several books and videos published for the developer market including early adopter .NET courses at Microsoft Press. Walt is currently consulting and teaching .NET, Silverlight and WPF classes for Wintellect. Walt's industry expertise has placed him on various national technology advisory boards. He is also deeply involved in the local developer community — founding the .NET Developers Association in Redmond, WA. Walt has accumulated plenty of experience as a developer — is currently a Microsoft MVP, and a member of the Silverlight Insiders and WPF Disciples. As a web programmer he has worked numerous projects including; EPA sites and the Microsoft Community Starter Kit.

### Jesus Rodriguez - Chief Architect, Tellago and Tellago Studios



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

participate in a variety of Software Design Reviews with Microsoft's Product Teams including Windows Communication Foundation, Windows Identity Framework, StreamInsight, AppFabric, .NET Software Design, Windows Workflow Foundation, SharePoint, and BizTalk Server. Jesus derived his extensive experience with business process integration and messaging through numerous implementations of disparate systems founded on the principles of SOA and BPM. Jesus is an active contributor to the .NET and J2EE communities and an internationally recognized speaker and author with contributions that include several articles for various publications including MSDN Magazine, Microsoft

Architecture Journal, SOAWorld and Web Services Journal as well as speaking engagements at top industry conferences such as Microsoft TechEd, Microsoft DevDays, Microsoft SOA and the Microsoft MVP Summit. Additionally, Jesus has conducted a number of Web Casts on varying SOA technologies. Jesus is a prolific blogger on all subjects related to integration and has a true passion for technology. You can gain valuable insight on leading edge technologies through his blog at <http://weblogs.asp.net/gsusx>.

### Mark Rosenberg - Technical Instructor, New Horizons



Mark Rosenberg has been writing software with Microsoft technologies since 1997. He has been speaking to user groups and at code camps since 2005 and been a certified trainer Since 2007. Mark likes to talk to developers and has been talking to anyone who will listen. He is very active in the community, both speaking at user groups, former INETA Board member and still active with INETA. He currently is working as a senior development instructor at New Horizons in Austin, TX.





## Conference Speakers, continued

### Dave Stienessen

#### Paul Swider - CTO, RealActivity



Paul J. Swider is an international speaker, trainer and freelance consultant. In addition he is the founder of the Charleston SharePoint Users Group, A founder of Sharing the Point and the author of the bestselling SharePoint 2010 Development book published by Wrox Press. He is an accomplished entrepreneur straight from a barrier Island near Charleston, SC where Paul chases the tides and winds as an avid boater and sailor.

Paul is grateful he is able escape the summer heat in Charleston and consults with some of the most successful companies in the world. 17 years of software consulting experience combined with many Microsoft certifications and speaking credentials has made Paul an authority in the SharePoint Community. As an MCT Paul has trained and consulted thousands of SharePoint administrators, developers and architects.



#### Jeremy Thake - Enterprise Architect, AvePoint Inc.



Jeremy Thake utilizes more than 10 years of software development industry experience and expertise in Microsoft technologies to assist global enterprises in building solutions that will set the standard for the next generation of collaboration platforms. As a SharePoint MVP, Jeremy's proven expertise has earned him multiple speaking engagements at technical conferences, symposiums, and user groups worldwide. Jeremy is a co-founder of [NothingButSharePoint.com](http://NothingButSharePoint.com), a SharePoint community portal, focusing on the Developer Channel and built the platform on top of SharePoint 2010.

#### Andy Tinkham

Andy Tinkham is a principal consultant in Magenic's Enterprise Quality Assurance practice, where he leads all things related to technical testing. He has been a leader in the software testing industry for over 17 years, frequently focusing on automating portions of the testing tasks and evaluating system performance. For a time, he was an adjunct faculty member at the Florida Institute of Technology where he helped develop and teach courses on software testing, including both black-box testing and developer testing. He is a frequent and popular speaker at conferences and user groups. Follow him on Twitter at @andytinkham or read his writing at <http://Magenic.com/Blog.aspx>

#### Adam Tuliper - Software Architect, Cegedim



Adam Tuliper is a software architect with Cegedim and has been developing software for over 16 years. He's a Certified Scrum Master and MCPD Enterprise Applications Developer. Adam started his work in security and reverse engineering (x86 based - pre .NET) with the direction of going into the software protection and anti-piracy field. He has been deeply

involved in .NET internals since early .NET beta and currently works extensively with WCF, ASP.NET, SQL Server, MVC, C#, jQuery, and Silverlight. Adam is an INETA Community Speaker and regularly speaks at .NET User Groups and Events. Besides development, he has performed security audits and penetration testing for large and small companies alike and really likes security. Read up on his current topics at [www.secure-coding.com](http://www.secure-coding.com) [completedevelopment.blogspot.com](http://completedevelopment.blogspot.com) #AdamTuliper

#### Michael Washington - Programmer, LightSwitchHelpWebsite.com



Michael Washington is the founder of LightSwitch.ADefWebserver.com. He is an ASP.NET, C#, and Visual Basic programmer. He has extensive knowledge in process improvement, billing systems, and student information systems. He is a Microsoft Silverlight MVP. Michael has a son, Zachary and resides in Los Angeles with his wife Valerie.

#### Jim Wooley - Consultant, Slalom Consulting

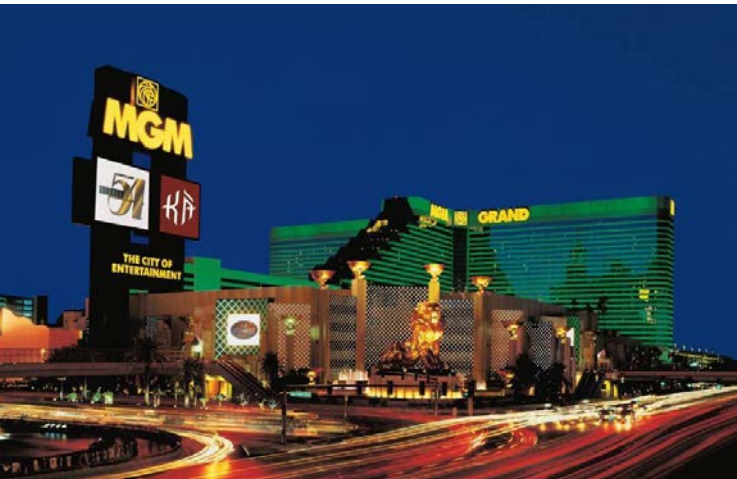


By day, Jim Wooley is a consultant for Slalom Consulting. In his free time, Jim is a frequent speaker, INETA Regional Speaker, MVP, and author of "LINQ in Action". He is always striving to stay at the forefront of technology and enjoys the thrill of a new challenge. He has been active evangelizing LINQ since it's announcement in 2005. In addition, he attempts to pass on the insights he has gained by being active in the community, including organizing and speaking at code camps and regional events, including VS Live, DevLink, DevWeek, CodeMash, CodeStock, and MIX.

## Venue Information

Sure, you're going to Visual Studio Live! Las Vegas to learn the newest technology developments from pioneers in the industry — and you will! But, all work and no play is not what Visual Studio Live! is all about. With all conference sessions and events located at the MGM Grand Hotel & Casino, you won't miss out on any of the adventure that Las Vegas has to offer.

Outside of sessions, you pick how you want to enjoy your time — and the MGM Grand is the perfect place for both. The MGM Grand is third largest hotel in the world and includes five outdoor pools, the MGM Grand Garden Arena, the Grand Spa, numerous shops and night clubs, 19 restaurants, and the largest casino in the county.



## Hotel Information

### MGM Grand Hotel & Casino

3799 Las Vegas Boulevard South  
Las Vegas, Nevada 89109

Reservations: 877-880-0880

**Special Visual Studio Live! Attendee Rate: \$99**  
**Book by: February 27, 2013**

You must mention Visual Studio Live! to receive this special attendee rate of \$99/night.\*

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

Rooms at the MGM Grand in the Visual Studio Live! Room Block also include the following as part of the Resort Fee:

- Complimentary in-room internet connectivity
- Daily newspaper available for pick up
- Complimentary access to the Cardio Room

*\*The room rate of \$99.00 per night includes a \$20.00 Resort Fee and excludes the Clark County room tax of 12%.*

### Complete Conference & Hotel Package

If you select the Complete Conference & Hotel Package when registering, a hotel room at the MGM Grand Hotel & Casino will be reserved for you.

## Travel

### Air Travel Discounts

American Airlines, the official airline for Visual Studio Live! Las Vegas, is offering a 5 percent discount to all Visual Studio Live attendees. The discount can be booked online at [www.aa.com](http://www.aa.com), or by calling (800) 433-1790. (Ticketing fee will apply if reservation is made by call in.) Use authorization number **A9333DH** as the discount code when booking online or calling directly.



This special offer applies to travel from all markets where American Airlines, American Eagle, American Connection Service, and all One world carriers provide service. Discounts apply to discountable fares where American Airlines, American Airlines code share, or One World Alliance partners are involved. AA must be the governing carrier.

### Car Rental Discounts

Avis is the official car rental company for Visual Studio Live! Las Vegas 2013. For reservations, call (800) 331-1212 and use the AVIS worldwide discount code is **D005872**, or book online at: [https://www.avis.com/AvisWeb/reservation/ReservationsInitializer?&AWD\\_NUMBER=D005872](https://www.avis.com/AvisWeb/reservation/ReservationsInitializer?&AWD_NUMBER=D005872)

### Directions, Shuttle Service, Taxi & Parking

**Driving Directions from McCarran International Airport:**

- Head east from Wayne Newton Blvd - go 0.5 mi
- Bear right at Swenson St and head toward Airport exit - go 0.9 mi
- Turn left at E. Tropicana Ave. - go 1.2 mi
- Turn right into MGM Grand off East Tropicana Ave

### Driving Directions from Interstate 15:

- Exit 1-15 and head east onto E. Tropicana
- Cross Las Vegas Boulevard and turn left into MGM Grand off East Tropicana Ave.
- Taking a shuttle from McCarran International Airport to the MGM Grand Hotel & Casino
- Several companies offer shuttle service to and from McCarran International Airport (approximately \$5.00 per person one-way). Signs are posted on the transportation level at the airport outside baggage claim which will direct you to the shuttle area. The MGM Grand Hotel Bell Desk can assist you with the arrangements for airport returns.

Taxi service to the MGM Grand Hotel from the airport costs approximately \$15 one-way.

### Parking at the MGM Grand Hotel & Casino

For your convenience, the MGM Grand offers free self-parking in their Main Parking Garage.



## Registration Packages

**Sign up for the conference package that best meets your schedule and needs!**

Register now at  
[www.vslive.com/lasvegas](http://www.vslive.com/lasvegas)

**Signing up 3 or more? Group Discounts are available!**

Turn to page 40 for pricing details.

**Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available!**

Turn to page 41 for pricing details.

The Visual Studio Live! Best Value Package is your five day all-access pass to every keynote, session, workshop and event **March 25-29, 2013**.

**VISUAL STUDIO LIVE!  
BEST VALUE PACKAGE  
(5 DAY)**

**SUPER Early Bird**  
(by January 30, 2013)  
\$1,695  
**Save \$400**

**Early Bird**  
(by February 27, 2013)  
\$1,795  
**Save \$300**

**Standard**  
(after February 28, 2013)  
\$2,095

**PACKAGE INCLUDES:**

All Visual Studio Live! Sessions and Keynotes • All Modern Apps Live! Sessions • Pre-conference workshops • Post-conference workshops • Reception • Networking Events • Lunch (March 25-29) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

The Visual Studio Live! Complete Conference & Hotel Package includes the five day all-access pass (**March 25-29, 2013**) PLUS five nights at the MGM Grand Hotel & Casino, Las Vegas, NV.

**VISUAL STUDIO LIVE!  
COMPLETE  
CONFERENCE & HOTEL  
PACKAGE (5 DAY)**

**SUPER Early Bird**  
(by January 30, 2013)  
\$2,295  
**Save \$400**

**Early Bird**  
(by February 27, 2013)  
\$2,395  
**Save \$300**

**Standard**  
(after February 28, 2013)  
\$2,695

**PACKAGE INCLUDES:**

- 5-day Best Value Conference Pass
- 5 nights at the MGM Grand Hotel & Casino (Room and tax only) - only available Sunday night (March 24) through Thursday night (March 28), departing Friday (March 29)

The Visual Studio Live! Conference Package grants you access to all sessions and activities **March 26-28, 2013**.

**VISUAL STUDIO LIVE!  
CONFERENCE  
PACKAGE (3 DAY)**

**SUPER Early Bird**  
(by January 30, 2013)  
\$1,295  
**Save \$400**

**Early Bird**  
(by February 27, 2013)  
\$1,395  
**Save \$300**

**Standard**  
(after February 28, 2013)  
\$1,695

**PACKAGE INCLUDES:**

All Visual Studio Live! Sessions and Keynotes • All Modern Apps Live! Sessions • Reception • Lunch (March 26-28) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code



## Registration Packages, continued

The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on either **Monday, March 25** OR **Friday, March 29, 2013**.

### ONE-DAY WORKSHOP PASS

\$495

#### PASS INCLUDES:

Pre-Conference Workshop – Monday, March 25, 2013  
OR  
Post-Conference Workshop – Friday, March 29, 2013

## GROUP DISCOUNTS

Bring a group to Visual Studio Live! Las Vegas and save BIG!

Group discounts are available for companies who bring 3 or more people.

### VISUAL STUDIO LIVE! GROUP DISCOUNT PACKAGE (3+ COLLEAGUES)

**Early Bird**  
(by February 27, 2013)  
\$1,495  
**Save \$600**

**Standard**  
(after February 28, 2013)  
\$1,595  
**Save \$500**

#### PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • All Modern Apps Live! Sessions • Pre-conference workshops • Post-conference workshops • Reception • Networking Events • Lunch (March 25-29) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

### VISUAL STUDIO LIVE! GROUP DISCOUNT & HOTEL PACKAGE (3+ COLLEAGUES)

**Early Bird**  
(by February 27, 2013)  
\$2,095  
**Save \$600**

**Standard**  
(after February 28, 2013)  
\$2,195  
**Save \$500**

#### PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at the MGM Grand Hotel & Casino (Room and tax only) - only available Sunday night (March 24) through Thursday night (March 28), departing Friday (March 29)

To register your group or for more information, please call 541.346.3537



## Registration Packages, continued

### ALUMNI DISCOUNTS

As an attendee of a previous Visual Studio Live! or Live! 360 Conference, we would like to extend special savings to you, our frequent and best customers. Check your email for notes from Visual Studio Live! that include your Alumni registration code.

- The Visual Studio Live! Alumni Best Value Package is your five day all-access pass to every keynote, session, workshop and event **March 25-29, 2013.**

#### VISUAL STUDIO LIVE! ALUMNI BEST VALUE PACKAGE (5 DAY)

**SUPER Early Bird**  
(by January 30, 2013)  
\$1,595  
**Save \$500**

**Early Bird**  
(by February 27, 2013)  
\$1,695  
**Save \$400**

**Standard**  
(after February 28, 2013)  
\$1,795  
**Save \$300**

#### PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • All Modern Apps Live! Sessions • Pre-conference workshops • Post-conference workshops • Reception • Networking Events • Lunch (March 25-29) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

- The Visual Studio Live! Alumni Complete Conference & Hotel Package includes the five day all-access pass (**March 25-29, 2013**) PLUS five nights at the MGM Grand Hotel & Casino, Las Vegas, NV.

#### VISUAL STUDIO LIVE! ALUMNI COMPLETE CONFERENCE & HOTEL PACKAGE (5 DAY)

**SUPER Early Bird**  
(by January 30, 2013)  
\$2,195  
**Save \$500**

**Early Bird**  
(by February 27, 2013)  
\$2,295  
**Save \$400**

**Standard**  
(after February 28, 2013)  
\$2,395  
**Save \$300**

#### PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at the MGM Grand Hotel & Casino (Room and tax only) - only available Sunday night (March 24) through Thursday night (March 28), departing Friday (March 29)

- The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on either **Monday, March 25 OR Friday, March 29, 2013.**

#### ONE-DAY WORKSHOP PASS

**\$495**

#### PASS INCLUDES:

Pre-Conference Workshop – Monday, March 25, 2013  
OR  
Post-Conference Workshop – Friday, March 29, 2013