

Visual Studio LIVE!

EXPERT SOLUTIONS FOR .NET DEVELOPERS



YOUR BACKSTAGE PASS TO THE MICROSOFT PLATFORM

**Intense Take-Home
Training for Developers,
Software Architects
and Designers**

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REDMOND, WA | **AUGUST
19-23, 2013**
MICROSOFT CAMPUS



VISUAL STUDIO LIVE! REDMOND TRACK TOPICS:

- Azure / Cloud Computing
- Data Management
- Mobile Development
- SharePoint / Office
- SQL Server
- Web and JavaScript Development
- Windows 8 / WinRT
- Visual Studio 2012 / .NET 4.5

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Contents

3

A Message from the Co-Chairs
Advisory Council

4

10 Reasons to Attend

5

Events & Activities

7

Agenda: At-a-Glance

10

Workshops

12

Azure / Cloud Computing

13

Mobile Development

14

Data Management

15

SharePoint / Office

16

SQL Server

18

Visual Studio 2012 / .NET 4.5

19

Web and JavaScript Development

22

Windows 8 / WinRT

26

Speaker Bios

31

Sponsors and Exhibitors

32

Venue Information

33

Registration Packages



A Message from the Conference Co-Chairs

Windows 8, Windows RT and Windows Phone 8 are out, share common APIs and are already evolving and changing with Windows "Blue". Add to that the industry-wide HTML5 push, Big Data and various enhancements to Windows Azure reaching general availability, and you can see how the whole Microsoft software development stack continues to evolve and improve.

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 at the Microsoft headquarters in Redmond, Washington.

We're Andrew Brust and Rocky Lhotka, and as Conference Co-Chairs for Visual Studio Live! Redmond, we'd like to personally invite you to join us this August on the Microsoft Campus, 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, Azure/Cloud Computing, Web and JavaScript Development, SharePoint/Office, Data Management, Mobile Development, SQL Server, HDInsight (Hadoop on Windows), Microsoft Visual Studio 2012/.NET 4.5, and Visual Studio LightSwitch.

Then there's our extensive workshop content, covering:

- Windows 8
- WCF and the Web API
- UX Design Bootcamp
- Rich Data HTML Mobile and Browser Clients
- SQL Server 2012

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. Embrace the change: find a way to get to Visual Studio Live! Redmond to master it.

We hope to see you there!

Andrew Brust
Visual Studio Live! Co-Chair

Rockford Lhotka
Visual Studio Live! Co-Chair

Visual Studio Live! Redmond Advisory Council



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



Michael Desmond
Editor in Chief,
MSDN Magazine



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



Keith Ward
Editor in Chief,
Visual Studio Magazine

10

Reasons to Attend Visual Studio Live! Redmond



REDMOND, WA | **AUGUST 19-23, 2013**
MICROSOFT CAMPUS

- 1. WE HAVEN'T BEEN AROUND FOR 20 YEARS FOR NOTHING.** Visual Studio Live! is an event that you and your colleagues know and trust.
- 2. A LOT FOR A LITTLE.** Get 5 days of developer-focused education for an incredible low price!
- 3. SPACE NEEDLE-LIKE VIEWS.** We want you to learn about the most recent software and industry updates from every angle. That's why you'll get to hear from both unbiased industry experts and Microsoft insiders at your sessions.
- 4. IT'S A WIDE WIDE WORLD OF TOPICS.** Visual Studio Live! offers a great selection of educational sessions for comprehensive training on Visual Studio / .NET, Cloud Computing and Services, Data Management, Windows Phone, and more.
- 5. WORK THE WORKSHOPS.** You'll get to the nitty-gritty of today's hot .NET topics during pre- and post-show workshops.
- 6. UNPARALLELED ACCESS TO EXPERTS.** Sit down for some one-on-one time with the likes of Andrew Brust, Miguel Castro, Billy Hollis, Rockford Lhotka, and Deborah Kurata. Speakers at Visual Studio Live! are always able and willing to talk to you outside of sessions—it's a great opportunity to get insightful, on-point answers to some of your burning questions!
- 7. IT IS VISUAL STUDIO LIVE! AFTER ALL.** The Microsoft .NET 4.5 framework includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2012 provides powerful features around debugging, architecture and application lifecycle management (ALM). 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.
- 8. YOU'RE AT THE SOURCE! HEAR IT IN REDMOND FIRST!** You'll get the inside scoop on what's happening in the Microsoft and developer landscape.
- 9. YOU CAN TALK IN CLASS; OR AFTER CLASS; OR AT LUNCH; OR OVER ADULT BEVERAGES.** Developers, software architects and designers will all be at the conference—take advantage of the meals and networking events to get to know your colleagues.
- 10. ROCK YOUR CODE ON CAMPUS!** See the sights you've always heard about from the idyllic Microsoft Headquarters!



Events & Activities

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

ACTIVITIES:

Access to the Microsoft Company Store

*You bring the money, we get you special access!**

Monday, August 19 & Thursday, August 22

All Visual Studio Live! Redmond event attendees will have the opportunity to visit the Microsoft Company Store during their time at

the conference and have access to the employee-only discount area. The company store's discount area is typically only open for Microsoft employees to purchase select Microsoft products at discounted prices, so you won't want to miss out on this great opportunity!

Popular home-use software titles such as Windows 8, Office 2010, Office for Mac, and Streets and Trips

are available. XBOX 360 accessories and a selection of XBOX games are offered at significant savings. At the Redmond campus location, you will find one of the largest selections of Microsoft-branded PC hardware in any retail store. PC Hardware offered includes Keyboards and desktop sets, Mice, Webcams and more.

Visual Studio Live! Redmond event attendees will qualify for a pass that allows them access to the special discounts normally reserved only for Microsoft employees. Due to the amazing deals, each attendee is allowed to spend up to a maximum of \$120. ***Restrictions apply.*

***Attendees will be given a voucher/form that allows them access to the employee only discount area to spend up to \$120 of their own money on select Microsoft products.*

***All attendees must have a valid driver's license that matches the name on the voucher.*

***If using a credit card for payment, the name on the card must match the name on your voucher and identification.*

***If you are employed by a government agency or a school or university, you are not eligible for the discount pass due to Microsoft policy.*

Visit the Microsoft Visitor Center

The Microsoft Visitor Center is open to all employees and visitors to the Microsoft campus. Come share in the excitement of their discoveries, explore some of the latest products, and meet some of the people whose ideas and creativity make Microsoft a world leader in computer and software industry.

Meet the Pros

Let's face it—our talented team of speakers is the main reason you head to Visual Studio Live! events. They share your interest in the latest technologies while refusing to abandon challenging applications out there already. So why not get





to know them in a different light during the breaks and networking opportunities we have planned for you in Redmond? Kick back with the people who love sharing their knowledge and experience to help you get where you want to be professionally.

EVENTS:

Lunch with the Blue Badges

Monday, August 19 & Thursday, August 22

On Monday and Thursday, Visual Studio Live! attendees will have the opportunity to have lunch with the Blue Badges at The Mixer, the Microsoft employee lunch area with

over 10 different restaurant options to choose from. These two extended lunch periods are also the perfect time to visit the Microsoft Visitor Center and the Microsoft Company Store. Shuttle service to and from the Commons, as well as a pre-loaded Microsoft "e-card" will be provided as part of your Visual Studio Live! registration.

Microsoft Ask the Experts & Exhibitor Reception

Tuesday, August 20

Visual Studio Live! Redmond's Exhibitor Reception will be combined with a two-hour Microsoft Ask the Experts session, where you'll get a

chance to talk with Microsoft product team members and speakers. Enjoy drinks and snacks while you explore the Visual Studio Live! exhibits, network with fellow attendees and get answers to your questions for the experts and the exhibitors.

Luncheon Round Table

Wednesday, August 21

Share knowledge and experiences with your colleagues by joining one of the topic tables at lunch.

Visual Studio Live! Round Table Topics:

- ASP.NET (Web Forms, MVC)
- WPF / Silverlight
- Visual Studio
- Languages (VB, C#, JavaScript, Typescript)
- ALM
- SharePoint and Office
- LINQ, Entity Framework, ADO.NET
- Services (WCF, Web API, OData)
- .NET 4.5
- Windows Azure
- Mobile Development
- Visual Studio LightSwitch
- HTML5/IE 10
- Windows 8/WinRT



ROCK AND ROLL WITH US!

Lucky Strike Evening Party

Wednesday, August 21, 8:00 – 10:00pm

Rock your code on campus by day, roll your way to fun Wednesday night! Head to Lucky Strike in Bellevue (located next to the conference hotel) for a rousing good time. Network with your fellow attendees and speakers, bowl a few frames, shoot a little pool or channel your inner teenager at the arcade. Plus, enjoy food, drinks and a great atmosphere!

RELAX IN COMFORT!

Dice.com Twitter Lounge

Whether you want to make connections with other attendees, follow all of the conference news on Twitter, sit quietly, or have a custom T-shirt made for you while you wait, you'll find a comfortable spot in the Dice.com Twitter Lounge.





Agenda At-A-Glance (Monday & Tuesday)

Windows 8 / WinRT		Web and JavaScript Development		Visual Studio 2012 / .NET 4.5		SharePoint / Office		Azure / Cloud Computing		Data Management		SQL Server		Mobile Development	
START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, August 19, 2013 (Separate entry fee required)													
7:00 AM	8:00 AM	Pre-Conference Workshop Registration - Coffee and Morning Pastries													
8:00 AM	12:00 PM	MW01 - Workshop: Building Windows 8 Applications - <i>Rockford Lhotka</i>				MW02 - Workshop: End-to-End Service Orientation - Designing, Developing, & Implementing Using WCF and the Web API - <i>Miguel Castro</i>				MW03 - Workshop: UX Design Bootcamp for Developers and Analysts - <i>Billy Hollis</i>					
12:00 PM	2:30 PM	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center													
2:30 PM	6:00 PM	MW01 - Workshop: Building Windows 8 Applications - <i>Rockford Lhotka</i>				MW02 - Workshop: End-to-End Service Orientation - Designing, Developing, & Implementing Using WCF and the Web API - <i>Miguel Castro</i>				MW03 - Workshop: UX Design Bootcamp for Developers and Analysts - <i>Billy Hollis</i>					
START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, August 20, 2013													
7:30 AM	8:30 AM	Registration - Coffee and Morning Pastries													
8:30 AM	9:30 AM	Keynote: To Be Announced													
9:45 AM	11:00 AM	T01 - Interaction and Navigation Patterns in Windows 8 Applications - <i>Billy Hollis</i>		T02 - Controlling ASP.NET MVC4 - <i>Philip Japikse</i>		T03 - What's New in Windows Azure - <i>Vishwas Lele</i>		T04 - Data Visualization with SharePoint and SQL Server - <i>Paul Swider</i>		T05 - Building Windows 8 Line of Business Apps - <i>Robert Green</i>					
11:15 AM	12:30 PM	T06 - Introduction to the WinRT API - <i>Jason Bock</i>		T07 - I'm Not Dead Yet! AKA The Resurgence of Web Forms - <i>Philip Japikse</i>		T08 - Building LOB Apps in Windows Azure - <i>Vishwas Lele</i>		T09 - A Developers Perspective on the Social Architecture of SharePoint 2013 - <i>Paul Swider</i>		T10 - Working With Data in Windows Store Apps - <i>Robert Green</i>					
12:30 PM	2:30 PM	Lunch - Visit Exhibitor													
2:30 PM	3:45 PM	T11 - A Primer in Windows 8 Development with WinJS - <i>Philip Japikse</i>		T12 - jQuery Fundamentals - <i>Robert Boedigheimer</i>		T13 - Moving Web Apps to the Cloud - <i>Eric D. Boyd</i>		T14 - Developing Using the SharePoint 2013 REST Services - <i>Matthew DiFranco</i>		T15 - Session To Be Announced					
3:45 PM	4:15 PM	Sponsored Break - Visit Exhibitors													
4:15 PM	5:30 PM	T16 - Getting Beyond the Datagrid in Windows 8 - <i>Billy Hollis</i>		T17 - Fiddler and Your Website - <i>Robert Boedigheimer</i>		T18 - JavaScript, Meet Cloud: Node.js on Windows Azure - <i>Sasha Goldshtein</i>		T19 - What's New in SharePoint 2013 Workflow Development? - <i>Matthew DiFranco</i>		T20 - Windows Store Application Contracts and Extensibility - <i>Brian Peek</i>					
5:30PM	7:30 PM	Microsoft Ask the Experts & Exhibitor Reception – Attend Exhibitor Demos													

* Speakers and sessions subject to change



Agenda At-A-Glance (Wednesday)

Windows 8 / WinRT		Web and JavaScript Development		Visual Studio 2012 / .NET 4.5		SharePoint / Office		Azure / Cloud Computing		Data Management		SQL Server		Mobile Development	
START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, August 21, 2013													
7:30 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 - Expression Blend 5 for Developers: Design Your XAML or HTML5\CSS3 UI Faster - <i>Ben Hoelting</i>		W02 - Web API 101 - <i>Deborah Kurat</i>		W03 - EF Code First: Magic: Unicorns and Beyond - <i>Keith Burnell</i>		W04 - Building Apps for SharePoint 2013 - <i>Andrew Connell</i>		W05 - What's New in the .NET 4.5 BCL - <i>Jason Bock</i>					
10:45 AM	12:00 PM	W06 - Using Your Favorite JavaScript Frameworks When Developing Windows Store Apps - <i>Keith Burnell</i>		W07 - Exposing Data Services with ASP.NET Web API - <i>Brian Noyes</i>		W08 - Display Maps in Windows Phone 8 - <i>Al Pascual</i>		W09 - Deep Dive into the Cloud App Model for SharePoint - <i>Keenan Newton</i>		W10 - Understanding Dependency Injection and Those Pesky Containers - <i>Miguel Castro</i>					
12:00 PM	1:30 PM	Luncheon Round Table - Visit Exhibitors													
1:30 PM	2:45 PM	W11 - Migrating from WPF or Silverlight to WinRT - <i>Rockford Lhotka</i>		W12 - Knocking It Out of the Park, with Knockout.js - <i>Miguel Castro</i>		W13 - Busy Developer's Guide to Cassandra - <i>Ted Neward</i>		W14 - A Deep Dive into Creating Apps for Office - <i>Keenan Newton</i>		W15 - Mastering Visual Studio 2012 - <i>Deborah Kurata</i>					
2:45 PM	3:15 PM	Sponsored Break - Exhibitor Raffle @ 3:00 pm (Must be present to win)													
3:15 PM	4:30 PM	W16 - Sharing Code Between Windows 8 and Windows Phone 8 apps - <i>Ben Dewey</i>		W17 - Tips for Building Multi-Touch Enabled Web Sites - <i>Ben Hoelting</i>		W18 - Busy Developer's Guide to MongoDB - <i>Ted Neward</i>		W19 - Real World Workflows with Visual Studio 2012, Workflow Manager and Web Services - <i>Andrew Connell</i>		W20 - TFS vs Team Foundation Service - <i>Brian Randell</i>					
8:00 PM	10:00 PM	Lucky Strike Evening Out Party													

*Speakers and sessions subject to change

"GREAT DIVERSITY - FROM AZURE TO SQL SERVER TO VSTUDIOS TO MOBILE. I ATTENDED SESSIONS FROM ALMOST EVERY TRACK AND FELT I BENEFITTED FROM IT. I WAS PLEASED TO SEE THE IOS SESSIONS AS IT HAS REALLY COME INTO SCOPE FOR MY TEAM OVER THE PAST FEW MONTHS."

- Dan Beaton, Director of Software Development, PBS Systems Inc.



Agenda At-A-Glance (Thursday)

Windows 8 / WinRT		Web and JavaScript Development		Visual Studio 2012 / .NET 4.5	SharePoint / Office	Azure / Cloud Computing	Data Management	SQL Server	Mobile Development
START TIME	END TIME	Visual Studio Live! Day 3: Thursday, August 22, 2013							
7:30 AM	8:00 AM	Registration - Coffee and Morning Pastries							
8:00 AM	9:15 AM	TH01 - Windows Azure Mobile Services: Backend for Your Windows 8, iOS, and Android Apps - <i>Sasha Goldshtein</i>		TH02 - Building Rich Data HTML Client Apps with Breeze.js - <i>Brian Noyes</i>		TH03 - Building Your First Windows Phone 8 Application - <i>Brian Peek</i>		TH04 - Introducing SQL Server Data Tools - <i>Leonard Lobel</i>	TH05 - Build It So You Can Ship It! - <i>Brian Randell</i>
9:30 AM	10:45 AM	TH06 - Win8 + Cloud Services - <i>Rockford Lhotka</i>		TH07 - Busy Developer's Guide to AngularJS - <i>Ted Neward</i>		TH08 - From Prototype to the Store: How to Truly Finish a Windows Phone App - <i>Nick Landry</i>		TH09 - Big Data-BI Fusion: Microsoft HDInsight & MS BI - <i>Andrew Brust</i>	TH10 - Better Process and Tools with Microsoft ALM - <i>Brian Randell</i>
11:00 AM	12:15 PM	TH11 - Demystifying LOB Deployments in Windows 8 and Windows Phone 8 - <i>Tony Champion</i>		TH12 - Session To Be Announced		TH13 - Connecting to Data from Windows Phone 8 - <i>Christopher Woodruff</i>		TH14 - Programming the T-SQL Enhancements in SQL Server 2012 - <i>Leonard Lobel</i>	TH15 - Building Great Windows Store Apps with XAML and C# - <i>Pete Brown</i>
12:15 PM	2:45 PM	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center							
2:45 PM	4:00 PM	TH16 - Deep Dive into the Windows 8 Background APIs - <i>Tony Champion</i>		TH17 - Get your Node.js Under Control with TypeScript - <i>Yaniv Rodenski</i>		TH18 - Developing Mobile Solutions with Azure and Windows Phone - <i>Christopher Woodruff</i>		TH19 - Getting to Know the BI Semantic Model - <i>Andrew Brust</i>	TH20 - WebMatrix 3: The Code Editor for the Cloud - <i>Justin Beckwith</i>
4:15 PM	5:30 PM	TH21 - Windows 8 Apps with MVVM, HTML/JS, and Web API (An eCommerce Story) - <i>Ben Dewey</i>		TH22 - SignalRity - <i>Yaniv Rodenski</i>		TH23 - Designing Your Windows Phone Apps for Multitasking and Background Processing - <i>Nick Landry</i>		TH24 - Intro to Windows Azure SQL Database and What's New - <i>Eric D. Boyd</i>	TH25 - Web API 2 – Web Services for Websites, Modern Apps, and Mobile Apps - <i>Daniel Roth</i>
START TIME	END TIME	Visual Studio Live! Post-Conference Workshops: Friday, August 23, 2013 (Separate entry fee required)							
7:30 AM	8:00 AM	Post-Conference Workshop Registration - Coffee and Morning Pastries							
8:00 AM	12:00 PM	FW01 - Workshop: Rich Data HTML Mobile and Browser Clients with Knockout, JQuery, Breeze, and Web API - <i>Brian Noyes</i>					FW02 - Workshop: SQL Server for Developers - <i>Andrew Brust & Leonard Lobel</i>		
12:00 PM	1:00 PM	Lunch							
1:00 PM	5:00 PM	FW01 - Workshop: Rich Data HTML Mobile and Browser Clients with Knockout, JQuery, Breeze, and Web API - <i>Brian Noyes</i>					FW02 - Workshop: SQL Server for Developers - <i>Andrew Brust & Leonard Lobel</i>		

* Speakers and sessions subject to change



Visual Studio Live! Workshops

■ MW01 Workshop: Building Windows 8 Applications

(Level: Introductory / Intermediate)

Rockford Lhotka

Monday, August 19

8:00am – 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

■ MW02 Workshop: End-to-End Service Orientation - Designing, Developing, & Implementing Using WCF and the Web API (Level: Intermediate)

Miguel Castro

Monday, August 19

8:00am – 6:00pm

Service Oriented Architectures are the best way to ensure that today's applications are extensible, maintainable, and scalable in a volatile world filled with ever-changing demands. Decomposing your systems into smaller, loosely coupled, and more autonomous components ensures that your application can continue to grow or change without having to continuously undergo rewrites or redesigns. But with great power comes great responsibility (don't say it),

and the need for great technology and tooling. WCF is the heart of Microsoft's stack for building connected systems and loosely coupled components. Web API is the latest addition to this stack and provides more interoperability. Come learn both of these technologies and how to properly use them, apart and together. I'll teach you what a Service Oriented Architecture is and how to use WCF from the ground up. Then I'll show you how to use the Web API to write highly interoperable RESTful services. Then, when are asking yourself the ever-so-popular question "now what?", I'll show how to integrate both these technologies together into applications whose clients vary from WPF to ASP.NET MVC to Windows 8 Tablet apps. I'll cover service and consumption end-to-end, from project setup to component separation. I'll even add ancillary technologies such as Dependency Injection to help me keep things clean and decoupled.

You will learn:

- WCF Essentials
- Web API Essentials
- Consumption from various types of clients.

■ MW03 Workshop: UX Design Bootcamp for Developers and Analysts (Introductory / Intermediate)

Billy Hollis

Monday, August 19

8:00 – 6:00pm

In the modern apps era, good design is no longer optional. However, dedicated, professional designers are scarce, expensive, and don't know the business domain. This workshop helps developers, analysts, and other team members step in and embrace design responsibilities. Starting with basic principles founded in human cognition, attendees will learn concepts and vocabulary to evaluate designs. Then options for creating designs will help teams construct their own design process. Finally, patterns of user interaction will present a checklist of design ideas to bootstrap idea generation. The workshop features lecture alternated with interactive exercises. It is not technology

specific, and is useful to development teams working with any modern user interface technology stack.

You will learn:

- Learn design principles that stem from the way the human brain works
- Learn options for constructing your own team's user experience design process
- Understand a checklist of navigation and interaction patterns for designing user experiences

■ FW01 Workshop: Rich Data HTML Mobile and Browser Clients with Knockout, JQuery, Breeze, and Web API (Level: Intermediate)

Brian Noyes

Friday, August 23

8:00am – 5:00pm

You need to build an HTML client app either to package as a mobile app for multiple platforms or for use in a browser, and there is a lot of data presentation and manipulation involved. You want to make sure you end up with good, clean, maintainable, testable, and easy to





Visual Studio Live! Workshops, continued

client and server side code. This workshop will take you end-to-end, showing you how to put together a rich data driven HTML client interface using Knockout to separate the UI data manipulation, loading and saving from the presentation markup, using Breeze to do the heavy lifting on making the service calls for you, tracking changes on the entities, sending changes to the server side in batches, and more. Then you'll also see how to set up the server side using ASP.NET Web API to expose the services consumed by your client. By the end of the day, you will know how to build out the vertical slices of your app from top to bottom.

You will learn:

- How to do data binding in HTML client side applications with KnockoutJS.
- How to simplify AJAX data access via services with Breeze.
- How to tie together multiple technologies into a coherent vertical slice of functionality in an HTML application

■ FW02 Workshop: SQL Server for Developers – Intermediate

Andrew Brust & Leonard Lobel

Friday, August 23

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. Lenni 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 Excel's BI capabilities and Excel Services; PowerPivot, Analysis Services Tabular mode; Power View; and a quick look at Reporting Services and its self-service Report Parts feature; PerformancePoint Services; 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 BI concepts and 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)

"THIS WAS MY FIRST CONFERENCE. I WAS TOTALLY BLOWN AWAY WITH THE INFORMATION I AM TAKING BACK WITH ME. I HIGHLY RECOMMEND THIS CONFERENCE TO WHO IS SERIOUS ABOUT DEVELOPING SOFTWARE."

- Edward Mendez, Senior Developer, Demandata System





Session Descriptions by Track

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



■ T03 What's New in Windows Azure Vishwas Lele

Tuesday, August 20

9:45am – 11:00am

Walk away with enough information to start digging deeper into the features that make sense to you and your project.

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 IaaS, Windows Azure Active Directory and 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.

■ T08 Building LOB Apps in Windows Azure Vishwas Lele

Tuesday, August 20

11:15am – 12:30pm

This session will conduct a detailed walkthrough of a LOB app.

You can use Windows Azure to build new enterprise-grade LOB applications or to extend existing applications to the cloud. Windows Azure services such as Compute, storage, identity, and integration features let you easily create secure and highly available apps. In this session we will conduct a detailed walkthrough of one such LOB app. In the process we'll highlight the common multi-tier and hybrid enterprise patterns.

■ T13 Moving Web Apps to the Cloud (Level: Introductory / Intermediate) Eric D. Boyd

Tuesday, August 20

2:30pm – 3:45pm

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:

- Common business challenges and scenarios that drive Cloud migration
- How to move traditional on-premise web apps to Windows Azure
- Architectural considerations for maximizing the value of the Cloud

■ T18 JavaScript, Meet Cloud: Node.js on Windows Azure - Intermediate Sasha Goldshtein

Tuesday, August 20

4:15pm – 5:30pm

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. We'll use Node, express, nstore, SQL Azure, MongoDB, and might even see a glimpse of integration with Windows Azure Mobile Services.

You will learn:

- How to develop modern Node.js applications
- How to use Windows Azure services from Node.js in the cloud and on-premises
- How to deploy Node.js applications to Windows Azure



Session Descriptions by Track, continued

MOBILE DEVELOPMENT

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
- Creation of native mobile applications

■ TH03 Building Your First Windows Phone 8 Application (Level: Introductory) Brian Peek

Thursday, August 22

8:00am – 9:15am

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 platform's 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

■ TH08 From Prototype to the Store: How to Truly Finish a Windows Phone App (Level: Intermediate)

Nick Landry

Thursday, August 22

9:30am – 10:45am

Windows Phone development is highly productive, relatively easy and fun. If you're already a .NET developer, you can get up and running with the Windows Phone SDK pretty fast. Maybe you've already even built a prototype or two. Stuff runs. You deploy it to your phone. Ready to publish, right? Wrong. There's a difference between a functional prototype and a final store-ready app. This session explores recommendations and best practices to turn your fledgling app into a real professional submission. We'll look at the user experience, the "About" page, tracking the update history, getting feedback from users, providing help, and even your iconography. We'll also go over critical monetization steps such as supporting micro-transactions, in-app advertising, rate & review reminders and sharing your app. With hundreds of thousands of apps to compete with, you need to go above and beyond to impress your users. Come learn how to do it for a maximum impact.

You will learn:

- Understand the characteristics of a professional mobile application to compete in the market.
- Mobile user experience design best practices related to the "application container", separate from the core functionality of the mobile app itself.
- How to integrate in-app purchasing & advertising and other beneficial techniques to maximize the monetization of mobile apps.

■ TH13 Connecting to Data from Windows Phone 8 (Level: Intermediate / Advanced)

Christopher Woodruff

Thursday, August 22

11:00am – 12:15pm

You know you have to have a great experience when you develop your Windows Phone 8 applications right? The greatest experience you can give your users is around their data. There are ways to improve your Windows Phone 8 application and Chris Woodruff will teach you

how to get data quickly, save it with validation, save it locally and many, many more tricks. Come see why you should know the tricks of the trade before developing that killer Windows Phone 8 app. You will be a Data Experience expert when you leave the room after this session.

You will learn:

- Understand the benefits of using REST web services for your mobile apps.
- Be able to use develop solutions against OData that will give better experiences for your users.
- How to shape your data queries to give the best performance for your mobile apps.

■ TH18 Developing Mobile Solutions with Azure and Windows Phone (Level: Intermediate)

Christopher Woodruff

Thursday, August 22

2:45pm – 4:00pm

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

You will learn:

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



Session Descriptions by Track, continued

■ TH23 Designing Your Windows Phone Apps for Multitasking and Background Processing

(Level: Intermediate / Advanced)

Nick Landry

Thursday, August 22

4:15pm – 5:30pm

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 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 Resume and how to manage state via tombstoning should your application ever get terminated (it will). 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 agent capable of accessing various services at periodic intervals or continuously in the background.
- About Fast Application Resume and State Management in Windows Phone 8 applications and how to deal with reactivation, tombstoning, persisting & retrieving state and providing seamless continuity to your users.

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! Redmond 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

■ W03 EF Code First: Magic: Unicorns and Beyond (Level: Intermediate)

Keith Burnell

Wednesday, August 21

9:15am – 10:30am

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

In this talk Keith will dive into Entity Framework Code First and how it allows you to use Model/Domain Driven development with nothing but POCOs to keep you in Visual Studio and out of SSMS.

You will learn:

- The benefits of keeping your hands in the code and out of the database.
- How Code First allows you to reuse your data validation from the UI through the Data Access layer.
- How to keep their DBA’s happy in a Code First environment.

■ W13 Busy Developer’s Guide to Cassandra (Level: Intermediate)

Ted Neward

Wednesday, August 21

1:30pm – 2:45pm

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

■ W18 Busy Developer’s Guide to MongoDB (Level: Intermediate)

Ted Neward

Wednesday, August 21

3:15pm – 4:30pm

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



Session Descriptions by Track, continued

SHAREPOINT / OFFICE

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.

■ T04 Data Visualization with SharePoint and SQL Server

Paul Swider

Tuesday, August 20

9:45am – 11:00am

One key factor driving the self-service BI market is the growing volume and complexity of data. As a result, enterprises will adopt new interactive reporting tools designed to put more data analytics capabilities into the hands of business users. In this session you will learn what self-service reporting tools are available in SharePoint 2013 and how they can be used to create business solutions to visualize and navigate data. Learn how to meet your business needs and discover best practices implementing data visualizations.

You will learn:

- How to use BI and data features in SharePoint for solution development
- How to use SQL reports stored in SharePoint in your custom solutions
- How to leverage Visual Studio to create data visualizations and reports

■ T09 A Developers Perspective on the Social Architecture of SharePoint 2013

Paul Swider

Tuesday, August 20

11:15am – 12:30pm

In this session you will learn the new architecture and topology of the new social infrastructure in SharePoint 2013. See how you can leverage these new social computing features from within SharePoint or externally hosted

applications. In addition learn where data is stored, how to access feeds, SkyDrive Pro and the velocity cache. Watch and learn from demonstrations of the new community features and how to extend these features using code. All source code will be available for download following the session.

You will learn:

- Understand how to fully leverage social computing features
- Where and how social data is stored
- Understand how to use the new velocity cache

■ T14 Developing using the SharePoint 2013 REST Services (Intermediate / Advanced)

Matthew DiFranco

Tuesday, August 21

2:30pm – 3:45pm

SharePoint 2013 introduces a REST service to access and update SharePoint data. While previous versions exposed various web services, the new REST service makes it easier to integrate with JavaScript since it can provide JSON formatted data back to the consumer.

You will learn:

- Determining the correct REST urls
- Using query strings to pass parameters
- Using ODATA
- Paging and Sorting

■ T19 What's New in SharePoint 2013 Workflow Development? (Level: Introductory)

Matthew DiFranco

Tuesday, August 21

4:15pm – 5:30pm

With SharePoint 2013 Microsoft has completely redesigned the workflow infrastructure. In this session you will learn the new features that are available in SharePoint workflows. You'll learn new and expanded capabilities like loops and Web Service call outs. You will also learn about the expanded features in SharePoint Designer and Visual Studio that will help you in your development.

You will learn:

- How to create a workflow in SharePoint 2013
- New features in SharePoint Designer 2013
- Architecture of SharePoint 2013 workflows

■ W04 Building Apps for SharePoint 2013 (Level: Intermediate)

Andrew Connell

Wednesday, August 21

9:15am – 10:30am

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 session we'll explore & build the different types of apps you can build in SharePoint 2013 (SharePoint-Hosted, Provider-Hosted, Auto-Hosted), understand the nuances of the different deployment models (on-prem or Office365), distribution (public / corporate marketplace) and licensing. Throughout the session attendees will see advantages and disadvantages of each option as well as walk away with some valuable tools, tips & tricks!

You will learn:

- How to build SharePoint-Hosted Apps for SharePoint 2013 on-premises and Office 365 deployments.
- How to build Cloud-Hosted Apps for SharePoint 2013 on-premises and Office 365 deployments.
- The different types of security options using OAuth using the different types of app shapes and deployment options.

“GET TIPS, TRICKS, AND BEST PRACTICES FROM INDUSTRY PROFESSIONALS ON A WIDE RANGE OF TOPICS.”

- Cameron Chisholm, Systems Teach Team Lead, Digi-Key Corporation



Session Descriptions by Track, continued

■ W09 Deep Dive into the Cloud App Model for SharePoint

(Level: Intermediate / Advanced)

Keenan Newton

Wednesday, August 21

10:45am – 12:00pm

This session will go into the various developer scenarios for creating apps for SharePoint. You will learn about MVC app development with SharePoint, OAuth, using SharePoint as a service, and Windows Phone development with SharePoint. Throughout this session, we will look at different demos that can highlight these capabilities.

■ W14 A Deep Dive into Creating Apps for Office

(Level: Intermediate / Advanced)

Keenan Newton

Wednesday, August 21

1:30pm – 2:45pm

This session will focus on how to create apps for Office to include task pane, content and mail apps. We will discuss various proven practices in developing these types of apps.

You will learn:

- Understand the various types of app shapes for Office
- Proven techniques for building apps for Office
- Demonstrate various scenarios apps can solve.

■ W19 Real World Workflows with Visual Studio 2012, Workflow Manager and Web Services

(Level: Intermediate)

Andrew Connell

Wednesday, August 21

3:15pm – 4:30pm

In this session we'll explore what's new with workflow in SharePoint 2013 from an architecture, capability & development perspective. You'll learn how the SharePoint 2013 now relies on Workflow Manager, both on-premises and in the cloud, to provide a much more reliable and scalable workflow platform. We'll explore new capabilities

such as loops, and how to make web service calls. This demo heavy session will be for technical power users and developers alike!

You will learn:

- The benefits of the new workflow architecture in SharePoint 2013
- How to build workflows using SharePoint Designer 2013 & Visual Studio 2012
- Call and consume real-world web services with workflows
- Build workflows that work the same way both in SharePoint 2013 On-Premises and Office 365 deployments

SQL SERVER

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.

■ TH04 Introducing SQL Server Data Tools (Level: Intermediate)

Leonard Lobel

Thursday, August 22

8:00am – 9:15am

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

With SSDT, developers can finally enjoy building database applications without constantly switching between Visual Studio and SSMS. In this session, Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and Windows Azure SQL Database. In



addition to replicating most of the functionality found in SSMS, you will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model's 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 Windows Azure SQL Database in the cloud all from inside Visual Studio



Session Descriptions by Track, continued

■ TH09 Big Data-BI Fusion: Microsoft HDInsight & MS BI (Level: Intermediate)

Andrew Brust

Thursday, August 22

9:30am – 10:45am

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.

"THE DIVERSITY OF THE TOPICS (IS WHAT I LIKED BEST), INCLUDING STUFF ON IOS DEVELOPMENT AND CLARITY ON WHAT CAN BE DONE AND WHAT'S COMING WITH THE AZURE PLATFORM."

– David Vahey, Solution Consultant, The British Council

You will 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
- How HDInsight and Microsoft BI, together, make Big Data ready for mainstream devs and the Enterprise

■ TH14 Programming the T-SQL Enhancements in SQL Server 2012 (Level: Intermediate)

Leonard Lobel

Thursday, August 22

11:00am – 12:15pm

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

TH19 Getting to Know the BI Semantic Model (Level: Intermediate)

Andrew Brust

Thursday, August 22

2:45pm – 4:00pm

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:

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

■ TH24 Intro to Windows Azure SQL Database and What's New (Level: Introductory)

Eric D. Boyd

Thursday, August 22

4:15pm – 5:30pm

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

You will learn:

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



Session Descriptions by Track, continued

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



■ W05 What's New in the .NET 4.5 BCL (Level: Introductory / Intermediate)

Jason Bock

Wednesday, August 21

9:15am – 10:30am

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

You will learn:

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

■ W10 Understanding Dependency Injection and Those Pesky Containers (Level: Intermediate)

Miguel Castro

Wednesday, August 21

10:45am – 12:00pm

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:

- Software decoupling and its advantages.
- How the concept of DI works - registration and resolving.
- Demo of several DI containers.

■ W15 Mastering Visual Studio 2012 (Level: Introductory / Intermediate)

Deborah Kurata

Wednesday, August 21

1:30pm – 2:45pm

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:

- New features in the Visual Studio 2012 IDE to maximize your productivity
- Understand the new Test Explorer to enhance your unit testing.
- See how the new SQL Server Object Explorer and SQL Server Data Tools (SSDT) help you with SQL Server

■ W20 TFS vs Team Foundation Service (Level: Intermediate)

Brian Randell

Wednesday, August 21

3:15pm – 4:30pm

2013 has been a great year for favorite ALM hub. But now you've got a choice to make. Do you host TFS on-



Session Descriptions by Track, continued

premises or do you move to the cloud? In this session Brian will explain the good, the bad, and yes, the ugly of both products so you can make an informed decision. You'll know what's in the product now as well as any public information about what's coming next for each product.

■ TH05 Build It So You Can Ship It! (Level: Advanced)

Brian Randell

Thursday, August 22

8:00am – 9:15am

Shipping is arguably the most important feature of any product. If you're users don't have it, it doesn't matter how cool it looks on your desktop. In the session, Brian will give you a crash course on the why and what of Team Foundation Server and the online Service's build components. You'll then learn about key customization tricks and how you can move from just continuous integration and ultimately to continuous deployment.

■ TH10 Better Process and Tools with Microsoft ALM (Level: Intermediate)

Brian Randell & Jeff Levinson

Thursday, August 22

9:30am – 10:45am

In this session, Brian and Jeff will take you on a lively journey to see how you can ship better software by having a better process. Whether you do Agile with a big 'A', something in between, or even something more traditional, you'll get advice from two experts on how you can manage your team and get the metrics to know "how you're doing" from Team Foundation Server. Brian and Jeff will discuss process templates, customizations, the data warehouse and reporting and show you how teams small and large can benefit from a little process.

WEB AND JAVASCRIPT DEVELOPMENT

More and more people are turning to the web, HTML 5, and JavaScript to accommodate the requirements for cross-platform and cross-device applications. Many of the most interesting and engaging technical enhancements to Microsoft's tools have focused on the web and JavaScript programming space, including ASP.NET MVC, updates to Web Forms, exciting new tooling for JavaScript development, and investments in JavaScript libraries such as jquery, as well as innovative languages like TypeScript.

What we're seeing is an evolution where server-side web technologies continue to improve, and at the same time JavaScript and HTML 5 are becoming viable smart client development technologies that operate independently from traditional web-based concepts. This is a great time to jump into the JavaScript programming world, or to update your knowledge of web development based on the latest tools and capabilities. In this track we have great content covering topics such as:

- ASP.NET Web Forms and MVC
- jQuery
- TypeScript
- HTML 5

■ T02 Controlling ASP.NET MVC4 (Level: Introductory / Intermediate)

Philip Japikse

Tuesday, August 20

9:45am – 11:00am

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

■ T07 I'm Not Dead Yet! AKA The Resurgence of Web Forms (Level: Introductory / Intermediate)

Philip Japikse

Tuesday, August 20

11:15am – 12:30pm

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

You will learn:

- About the new validation capabilities in WebForms
- About support for Data Annotations in WebForms
- About async support in WebForms

■ T12 jQuery Fundamentals (Level: Introductory / Intermediate)

Robert Boedigheimer

Tuesday, August 20

2:30pm – 3:45pm

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 leads 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



Session Descriptions by Track, continued

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

■ T17 Fiddler and Your Website (Level: Intermediate)

Robert Boedigheimer

Tuesday, August 20

4:15pm – 5:30pm

Fiddler is a great free tool for monitoring HTTP traffic between clients and web servers. It is very helpful for troubleshooting web sites and for gauging performance. Review the basic features and explore advanced techniques for extending Fiddler. Learn how to use Fiddler to capture traffic from smartphones, tablets, and non-Windows platforms.

You will learn:

- Basic tracing capabilities to help troubleshoot problems with web sites
- See how to extend Fiddler with custom extensions
- Use Fiddler even when using other platforms and devices (tablets, smartphones, etc.)

■ W02 Web API 101

(Level: Introductory / Intermediate)

Deborah Kurata

Wednesday, August 21

9:15am – 10:30am

The Web API is a new easy-to-use framework that allows you to build a service that can send or receive data over HTTP

to a range of clients. If this sounds something like Windows Communication Foundation (WCF), you are right. But this new framework is MUCH easier to use and provides content that is much easier to consume by client applications.

A Web API service can provide content to a broad variety of device and client platforms including Windows 8 applications. It provides that content in different formats such as XML or JSON (JavaScript Object Notation). This session covers the fundamentals of building Web API services.

You will learn:

- Understand the purpose and benefits of Web API.
- How to build a Web API service.
- Discover how to call a Web API from several different clients.

■ W07 Exposing Data Services with ASP.NET Web API (Level: Intermediate)

Brian Noyes

Wednesday, August 21

10:45am – 12:00pm

ASP.NET Web API offers several ways to expose data-centric services. You can expose resources based on strongly typed entity collections for CRUD operations. You can support OData query syntax and can include formatters for OData as well. In this session you will learn how to leverage these capabilities, what OData is all about and its benefits, and when to when to choose which approach. You will learn how OData queries can allow clients to shape their own queries and benefit from deferred execution on the server side, as well as why OData formatting makes your services more consumable.

You will learn:

- How to set up CRUD services with Web API.
- How to support OData query syntax and leverage deferred execution of queries on the server.
- How to make your data easy to consume on many platforms by supporting OData formatting of your messages.

■ W12 Knocking it Out of the Park, with Knockout.js

(Level: Intermediate / Advanced)

Miguel Castro

Wednesday, August 21

1:30 – 2:45pm

MVVM on the web... that works! Yes, finally; thank you Steve! If you don't know who I'm thanking, Steve Sanderson is one of the brilliant minds behind major contributions to ASP.NET with focus on the MVC side of things. And if you don't know what Knockout.JS is, you really need to come see me show you how to use Steve's latest brainchild. Knockout.JS lets you do real MVVM on your HTML. I'm talking about real two-way binding. And with the help of Web API and Ajax, you can overcome any shortcoming that cannot be totally handled on the client. This technology is key behind a type of web development known as Single-Page-Applications, and I'll show you exactly how this works. So come see me and let's add another great tool to your web arsenal.

You will learn:

- Understand MVVM and how it applies to the Web.
- Learn Knockout using JS
- The science and technique for Single-Page-Apps

■ W17 Tips for Building Multi-Touch Enabled Web Sites (Level: Intermediate)

Ben Hoelting

Wednesday, August 21

3:15pm – 4:30pm

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.



Session Descriptions by Track, continued

You will learn:

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

■ TH02 Building Rich Data HTML Client Apps with Breeze.js

(Level: Introductory / Intermediate)

Brian Noyes

Thursday, August 22

8:00am – 9:15am

BreezeJS is a Javascript library that lets you easily retrieve and update data via RESTful and OData services. In this session you will learn how Breeze can help you with your data-bound HTML UIs to load and save data, cache it on the client side, track changes to that data and send updates to the server in batches or individually. You will see how to combine Breeze with the KnockoutJS library for the data binding, as well as see what the services you need to have on the back end look like.



You will learn:

- Capabilities of Breeze and where it fits into your HTML application architecture.
- How to make CRUD service calls with Breeze.
- How to leverage the change tracking and batch updating of data from the client side in an HTML application with Breeze.

■ TH07 Busy Developer's Guide to AngularJS (Level: Introductory / Intermediate)

Ted Neward

Thursday, August 22

9:30am – 10:45am

Building a web app used to be just plain ol' HTML and a server-side logic component that generated it and sent it to your browser. Not so much the case anymore. Client-side Web frameworks are all the rage, and there's dozens of them to choose from. Of all the JavaScript browser frameworks for building business apps, AngularJS appears to be the most well-suited, and in this talk we're going to get started with Angular and take it for a little test drive.

You will gain some familiarity with AngularJS and be able to better determine whether this is worth pursuing on your next business web app.

You will learn:

- How AngularJS works
- How to use AngularJS for building business apps
- Why AngularJS is different from some of the other JS frameworks

■ TH17 Get your Node.js Under Control with TypeScript

(Level: Intermediate / Advanced)

Yaniv Rodenski

Thursday, August 22

2:45pm – 4:00pm

TypeScript was designed to enable application-scale JavaScript. With that in mind, there is no wonder why Node.js was part of the very first preview. No one needs

application-scale capabilities more than server applications, but how can we design our node packages and applications better with TypeScript? In this session we will explore what's in it for the server developers when it comes to TypeScript.

You will learn:

- TypeScript fundamentals
- Node.js fundamentals
- Building Node.js packages

■ TH20 WebMatrix 3: The Code Editor for the Cloud

Justin Beckwith

Thursday, August 22

2:45pm – 4:00pm

New programming languages and frameworks are being introduced at a dizzying pace, and our tools just aren't keeping up. WebMatrix, like other tools, provides the features we expect: a great code editor, HTML5 & CSS3 code hinting, and server side language scripting support. Now, we're trying to solve a new set of problems: advanced tooling for Node, Mustache, LESS, and CoffeeScript. We're thinking about better Git integration, database management, and publishing tools. We're building tools to make it easy to move into the cloud. Please join us as we take WebMatrix 3 out for a spin, and build some cool stuff along the way.

You will learn:

- About new features in WebMatrix 3 that provide a great developer experience for Windows Azure
- About building applications to target multiple platforms such as PHP and node.js
- About customizing and publishing open source packages including WordPress and Umbraco

■ TH22 SignalRity

(Level: Intermediate / Advanced)

Yaniv Rodenski

Thursday, August 22

4:15pm – 5:30pm

Building real-time web applications was a web developer's "holy grail" for too long. Even with arrival of the long awaited WebSockets protocol, developers still need to



Session Descriptions by Track, continued

support a wide range of legacy browsers using a variety of technics. Scaling out real-time web applications is also not trivial as data integrity must be maintained across servers. SignalR allow .NET developers to overcome these challenges using a clean and coherent API. SignalR also comes with a set of client-side libraries supporting a verity of client environments including JavaScript, .NET, WinRT and Windows Phone 8. In this session we will learn how to create real-time web applications using SignalR and how to scale these applications in a real-world environment.

You will learn:

- Building SignalR applications
- Connecting clients using SignalR
- Scaling SignalR applications

■ TH25 Web API 2 – Web Services for Websites, Modern Apps, and Mobile Apps (Level: Intermediate)

Daniel Roth

Thursday, August 22

4:15pm – 5:30pm

Web API's new release offers some great new features while maintaining the original direction towards making REST and HTTP services easier in .NET. Have you created a few websites that make use of AJAX calls to Web API controllers and wondered if there was a way to use the same sort of approach in a modern app or a mobile app? Have a client who needs a mobile app that's supported in all the major smartphone platforms? Want to use Web API in a Single-Page Application (SPA)? Need to add authentication to your existing Web API? These and other topics will be explored in this intermediate session on Web API, which will cover a variety of ways it can be used to expose your application's data through universally-supported (or endlessly extensible) protocols.

You will learn:

- How to build secure HTTP services using ASP.NET Web API that can reach a broad set of clients including browsers and mobile devices
- About the new features coming in the next release of ASP.NET Web API

WINDOWS 8 / WINRT

Adoption of Windows 8 and the Windows Runtime (WinRT) is underway. Are you ready to build apps for this new platform? Modern Windows Store 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 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! Redmond, you'll learn to build modern Windows Store apps, and understand the finer points of WinRT and related cloud services. This track includes coverage of the following:

- Microsoft Design Language and Windows 8 app design
- WinRT development using XAML/.NET and HTML5/WinJS
- Migrating apps from WPF and Silverlight to WinRT

■ T01 Interaction and Navigation Patterns in Windows 8 Applications (Level: Introductory / Intermediate)

Billy Hollis

Tuesday, August 20

9:45am – 11:00am

Windows 8 isn't just about master-detail in rectangular arrays. You can use its power to implement new and useful interaction patterns, such as viewports, timelines, dashboards, queues, and configurators. Even traditional patterns such as master-detail drilldown, wizards, and trees

gain new capabilities. This session will summarize important and useful interaction patterns often used in Windows 8, show some real-world examples, and suggest common use cases for each pattern. Several of the major patterns will receive a full demo implementation for you to use out as a starting point. You'll walk out with a lot of new options for designing your own modern user experience, and some strategies for transforming your current applications to make them more productive and compelling.

You will learn:

- Get a checklist of navigation patterns to consider when you are designing your own Windows 8 application
- Learn when to use certain patterns, and when not to
- See starter implementations of several of the navigation patterns

■ T05 Building Windows 8 Line of Business Apps (Level: Intermediate)

Robert Green

Tuesday, August 20

9:45am – 11:00am

New platforms mean new opportunities. Windows 8 provides new opportunities for a wide range of apps. Everything from games to news, readers to front-ends, to CRM systems. It also provides new opportunities for developers of custom line of business apps. In this session, you'll explore how to build Windows 8 LOB apps. We'll cover how to work with existing data and services, how to build user interfaces that present data to users while still following the Microsoft design language principles, how to authenticate users, how to test apps and how to deploy LOB apps on Windows 8.

You will learn:

- Some of the key technologies and techniques you can use to build Windows 8 line of business apps.
- How to leverage many of the skills and much of the code you already have to build lob apps on the new Windows 8 platform.
- Understand that Windows Store apps can span a variety of scenarios that include business apps as well as consumer apps.



Session Descriptions by Track, continued

■ T06 Introduction to the WinRT API (Level: Introductory / Intermediate)

Jason Bock

Tuesday, August 20

11:15am – 12:30pm

With Windows 8 comes a complete rewrite of the API surface that a developer uses to build their applications. In this session we'll cover what's available for you to use in your Windows 8 applications, including (but not limited to) storage, search and metadata.

You will learn:

- Understand the benefits of the Windows 8 API design
- See examples of the Windows Runtime in action
- Get a clear view of the execution model of Windows 8 applications

■ T10 Working With Data in Windows Store Apps (Level: Introductory / Intermediate)

Robert Green

Tuesday, August 20

11:15am – 12:30pm

Where the data resides in a Windows Store app turns out to be a more challenging question that might first appear. If you use local data, you have great offline support, but what happens when the user launches the app on another device? If you use remote or cloud data, the same data appears everywhere, but you lose your offline story. If you use a combination of the two, how do you manage that and how do you synch the data? This session focuses on these design decisions and takes a look at several data storage options, including local and remote files, IndexedDB, SQLite, WCF and OData, Azure and Azure Mobile Services.

You will learn:

- Understand your options for working with data in Windows Store apps.
- How you can use both local and remote data in Windows Store apps.
- Techniques for working with various data sources in Windows Store apps.

■ T11 A Primer in Windows 8 Development with WinJS (Level: Intermediate)

Philip Japikse

Tuesday, August 20

2:30pm – 3:45pm

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:

- 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.

■ T16 Getting Beyond the Datagrid in Windows 8 (Level: Intermediate/Advanced)

Billy Hollis

Tuesday, August 20

4:15pm – 5:30pm

Have you noticed that most modern app platforms, including Windows 8, don't even *have* a data grid? Does that leave you feeling a bit lost? Come to this session and see how data templates make many of your data grid designs obsolete, allowing you to inject better visualization and higher productivity into business applications. You'll see "before and after" examples of data grid applications redesigned to use data templates for better user experience, and learn some advanced data template techniques that you probably didn't know existed.

You will learn:

- Understand why modern app platforms de-emphasize the datagrid
- See examples of alternative user interaction patterns that

- make datagrids unnecessary, with emphasis on better data visualization
- Gain exposure to advanced data template capabilities in XAML that make better patterns possible

■ T20 Windows Store Application Contracts and Extensibility (Level: Introductory)

Brian Peek

Tuesday, August 20

4:15pm – 5:30pm

Contracts are a new feature of Windows 8 Store applications that allow interaction with the operating system and other Store applications in a standard way. With contracts, applications can implement interfaces to allow searching, sharing, settings, app-to-app file picking, and more. In this session, we will explore these contracts and how they can be used in any Windows Store application to provide a seamless, integrated experience for users.

You will learn:

- How to use several of the Windows Store Application contracts
- How to implement these contracts in ways that make sense for your application
- How to make your application "feel" like it's part of the new Windows 8 UI

■ W01 Expression Blend 5 for Developers: Design Your XAML or HTML5\CSS3 UI Faster (Level: Intermediate)

Ben Hoelting

Wednesday, August 21

9:15am – 10:30am

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



Session Descriptions by Track, continued

the markup manually. This talk will demonstrate the new capabilities included in Blend 5 for solving this problem.

You will learn:

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

■ W06 Using Your Favorite JavaScript Frameworks When Developing Windows Store Apps

(Level: Intermediate / Advanced)

Keith Burnell

Wednesday, August 21

10:45am – 12:00pm

We are all aware that we can use HTML and JavaScript to develop Windows Store applications, but did you know you can also leverage your favorite JavaScript frameworks as well when coding for the Windows Store?

In this talk Keith will show you how you can use JavaScript frameworks such as jQuery and Knockout along with HTML and JavaScript to develop Windows Store apps and get your foot in the door of this huge new market.

You will learn:

- About the huge opportunity available with Windows 8, the Windows Store, and Windows Store apps.
- How to leverage jQuery when developing HTML/JS Windows Store application.
- How to leverage Knockout when developing HTML/JS Windows Store applications.

■ W08 Display Maps in Windows Phone 8 (Level: Introductory)

Al Pascual

Wednesday, August 21

10:45am – 12:00pm

This session will show how to display information using maps and how they can help visualize your data. You'll see how to create and display a map consuming information from different sources as well as many samples in

Windows Phone 8 using the new features provided by the new technology. Learn how to consume geographic data from the web. Watch a really exciting presentation of real time earthquakes, hurricanes and geographic disasters.

You will learn:

- UI and UX, Maps integration
- Service integration on Windows Runtime.

■ W11 Migrating from WPF or Silverlight to WinRT

(Level: Intermediate)

Rockford Lhotka

Wednesday, August 21

1:30pm – 2:45pm

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.

You will learn:

- The similarities and differences between WPF/Silverlight and WinRT
- Technologies best avoided to ease migration to WinRT
- Techniques that make WinRT migration easier

■ W16 Sharing Code between Windows 8 and Windows Phone 8 Apps (Level: Intermediate)

Ben Dewey

Wednesday, August 21

3:15pm – 4:30pm

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

■ TH01 Windows Azure Mobile Services: Backend for Your Windows 8, iOS, and Android Apps

(Level: Intermediate)

Sasha Goldshtein

Thursday, August 22

8:00am – 9:15am

Mobile app developers don't—and shouldn't!—care about servers and clouds, push notification services and databases. Windows Azure Mobile Services (WAMS) is a cloud-based offering that provides a complete backend for mobile apps including data access and push notifications, 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, an iOS app, and an Android app—all accessing the same data store and server-side triggers.

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





Session Descriptions by Track, continued

■ TH06 Win8 + Cloud Services

(Level: Intermediate)

Rockford Lhotka

Thursday, August 22

9:30am – 10:45am

It has become common, if not expected, for modern apps to leverage the cloud to store data, process information, or to access services. Microsoft has cloud offerings not only via Microsoft Azure, but also through capabilities provided by Microsoft Live Services. In this session you will learn how to use key Azure features such as mobile services, cloud services, and the .NET service bus from Windows 8 (WinRT) applications. You will also learn how to take advantage of Microsoft Live Services to integrate with your user's cloud-based calendar, contacts, and SkyDrive.

You will learn:

- How to leverage cloud services from a Windows Runtime (WinRT) app
- When and why you would use Azure mobile and cloud services
- How to integrate Live Services into your apps to tap into your user's existing cloud-based data

■ TH11 Demystifying LOB Deployments in Windows 8 and Windows Phone 8 (Level: Intermediate)

Tony Champion

Thursday, August 22

11:00am – 12:15pm

Microsoft has embraced the app model of application development on both its mobile and desktop platforms. While this new model provides many new opportunities to developers, it also introduces some new challenges to enterprise and LOB developers when trying to securely deploy their applications to their user base. This session will take an in-depth look at what options are available to companies for deploying their applications on Windows 8, Windows RT, and Windows Phone, without using the public stores. Learn everything you need to know to make an informed decision on your deployment strategies.

You will learn:

- Demonstrate the side-loading options available on Windows and Windows Phone
- How to use domain deployment options for Windows
- None domain deployment options for Windows

■ TH15 Building Great Windows Store Apps with XAML and C#

(Level: Intermediate / Advanced)

Pete Brown

Thursday, August 22

11:00am – 12:15pm

XAML and C# are a great set of developer tools for building Windows Store apps targeting .NET and the Windows Runtime. It has been just over a year since the release candidate for Windows 8 solidified the features for the platform and made Windows Store app development possible. Come see what we've been doing since then to make it easier for you to build great XAML apps for Windows. During this session, we'll sling code and XAML, combined with practical information on how to build feature rich, high performing, and high quality apps for the Windows Store.

You will learn:

- How to build Windows Store XAML apps
- How to layout the primary screens of a XAML app
- Key performance considerations

■ TH16 Deep Dive into the Windows 8 Background APIs

(Level: Intermediate / Advanced)

Tony Champion

Thursday, August 22

2:45pm – 4:00pm

The application life cycle of Windows Store apps presents some unique challenges to application developers. To help address some of these challenges, Windows includes a collection of background APIs. This session will do a deep dive into these APIs and demonstrate the differences, effectiveness, and limitations of each. In addition to looking at each API, we will take a look at some alternative approaches to use when the APIs will not work.

You will learn:

- Gain a detailed understanding of each available background API and when to use each
- Real-world examples of the APIs in action
- Alternate approaches to use when the background APIs will not work.

■ TH21 Windows 8 Apps with MVVM, HTML/JS, and Web API (An eCommerce Story) (Level: Intermediate)

Ben Dewey

Thursday, August 22

4:15pm – 5:30pm

Looking for a complete example of a Windows Store app using all the latest technologies? Look no further, this presentation offers a complete end-to-end walk-through of the re-imagining of an eCommerce application into a Windows Store app using the new Modern UI concepts. This story begins with a RESTful service created with ASP.NET MVC's Web API and uses HTML/JS and the MVVM pattern to create a native app experience fitting for Windows 8.

You will learn:

- How to use ASP.NET MVC Web APIs to create a RESTful Web Service
- How to reimagining a typical web experience using the Windows 8 Modern Design concepts
- Patterns for structuring a complete application in HTML/JS





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*.



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.

Rockford Lhotka - *CTO, Magenic*



Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world. Rockford is a Microsoft Regional Director and MVP. Magenic is a company that specializes in planning, designing, building and maintaining your enterprise's most mission critical systems.

"I ENJOYED THE TECHNICAL CONVERSATIONS AND THE GENUINE INTEREST PEOPLE HAVE TO LISTEN AND OFFER ADVICE."

- Matthew Hubbell, Lead Developer, Diebold, Inc.,

SPEAKERS

Justin Beckwith - *Program Manager, Microsoft*



Justin is a Program Manager, web developer, and geek dad working on tooling and the developer experience for Windows Azure. He writes code, speaks at events, and stirs up trouble. Before joining Microsoft, he filled various developer and architect roles with startups, healthcare companies, and universities. He blogs at <http://jbeckwith.com> and twitters as [HYPERLINK "https://twitter.com/JustinBeckwith"](https://twitter.com/JustinBeckwith) @justinbeckwith.

Jason Bock - *Principal Consultant, Magenic*



Jason Bock is a Principal Consultant for Magenic (<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 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 - *Web Application Architect, 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, an ASP.NET MVP, an author, an "Early Achiever" MCSD for



Conference Speakers, continued

.NET with C#, an MCPD: Web with C#, MCPD: ASP.NET 3.5, and a 2nd degree black belt in Tae Kwon Do. Robert has spoken at industry conferences including the Heartland Developers Conference, DevLink, DevTeach, Tulsa Tech Fest, DevWeek, TechEd, AJAXWorld, and numerous national and international VSLive! events.

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



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

Pete Brown - *XAML and Gadget Guy, Microsoft*



Pete Brown is a XAML and Gadget guy at Microsoft, as well as a former Microsoft Silverlight MVP, INETA speaker, and RIA Architect. He's a father of two. When not trying to blow stuff up, or electrocute himself (or talk about himself in the third-person) Pete focuses on the community around code that has nothing to do with a browser (Windows 8 XAML, WPF, Silverlight, .NET Micro Framework, Robotics, and more), with a particular focus on XAML and things that go "blink" in the night. Pete has written two successful Silverlight books with Manning, and has a Windows 8 XAML book on the way. It will be amazing, and your purchase will help him afford replacements for the stuff he has blown up in the course of research.

Andrew Brust - *Founder and 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.

Keith Burnell - *Senior Software Engineer, Skyline Technologies*



Keith Burnell is a Microsoft MVP and Senior Software Engineer with Skyline Technologies. He has been developing software for over 15 years specializing in large scale ASP.NET and ASP.NET MVC web site development and architecture as well as teaching and mentoring clients on the benefits of test-driven development. Keith is an active member of the .NET community who speaks regularly at local and regional user groups and developer events as well as at national conferences. He is an avid blogger and writer and has been featured multiple times in MSDN magazine. Keith has two wonderful daughters and is married to his high school sweetheart who is still way out of his league! When not slinging code, Keith enjoys spending time with his family, karate, golf, and woodworking. Keith can be found on his Blog, Twitter, and GitHub.

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.

Tony Champion - *President, Champion DS*



I am a software architect and founder of ChampionDS with over 15 years development experience, mostly with Microsoft technologies. For the last several years I have focused on XAML based line of business applications and mobile experiences. As an active member of the community and Silverlight MVP, I spend my time on the board of NHDNUG, an organizer of Give Camp Houston, and can be found online in the forums and blogging. My blog, mostly Silverlight and WP7 based, can be found at <http://tonychampion.net>.

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), 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) and on Twitter @andrewconnell.



Conference Speakers, continued

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>

Matthew DiFranco - Software Architect, Paychex



Matthew DiFranco is an Enterprise Architect at Paychex, one of largest payroll providers in the United States. He focuses on cross platform architectures that involve SharePoint, .NET, Java and Salesforce.com. Matt is also the lead Architect for Paychex on all Mobile applications. Matt previously worked as a consultant focusing mostly in SharePoint and .Net technologies. He consistently used his skills and problem solving to help customers solve challenging business issues with technology. Automating and integrating systems to cut down on timely redundant work. Matt is co-lead of both the Rochester Area SharePoint User group and the Rochester Adobe User group. He has spent time giving presentations and trainings both in the user groups and though his consulting. Specialties: SharePoint, Engineering, IIS, SQL Server, C#.Net, Visual Studio and Web Service technologies. You can find Matt on his blog (<http://www.difranco.com>), follow him on Twitter @ [mattdifranco](https://twitter.com/mattdifranco) or email him at matt@difranco.com

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.

Robert Green - Technical Evangelist, Developer Platform and Evangelism (DPE), Microsoft Corporation



Technical Evangelist, Developer Platform and Evangelism (DPE), Microsoft Corporation Robert Green is a Technical Evangelist in the Developer Platform and Evangelism (DPE) group at Microsoft. This is his second stint at Microsoft. From 2005 to 2010 he was a Sr

Consultant with MCW Technologies, focused on developer training. He authored or co-authored a number of Visual Studio and .NET courses for AppDev (www.appdev.com). Prior to that, in his first stint at Microsoft, he was in Developer Tools marketing and then Community Lead on the Visual Basic team. He is very happy to be back at Microsoft.

Ben Hoelting - Software Architect, Aspenware



Ben Hoelting: Software Architect for Aspenware and C# MVP. He graduated from Colorado State University in 1997 with a BS in Computer Information Systems and a Minor in Computer Science. Ben joined the IT industry in 1996 as an intern and has worked with .NET since its inception back in 2002. Over the last few years he has done some work for the Department of Defense. He left the government world and now works for Aspenware in Denver, CO. 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 MS Office automation project as well

as geospatial ASP.NET MVC website. Ben is a Microsoft Certified Technology Specialist (MCTS) 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 local .NET community and is the leader of the South Colorado .NET User Group.

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

Philip Japikse - Senior Developer Evangelist, Telerik



An international speaker, Microsoft MVP, MCSD, CSM, and CSP, and a passionate member of the developer community, Phil Japikse has been working with .Net since the first betas, developing software for over 20 years, and heavily involved in the agile

community since 2005. Phil works as a Developer Evangelist for Telerik's RadControls for Windows 8 as well as the Just family of products (JustCode, JustMock, JustTrace, and JustDecompile), and serves as the Lead Director for the Cincinnati .Net User's Group and the Cincinnati Software Architect Group. Phil founded Agile Conferences, Inc., a non-profit dedicated to advancing agile in all aspects of software development. Phil also serves as Cub Scout Committee Chair for his sons' Cub Scout Pack, volunteers for the National Ski Patrol, and is a recently retired Firefighter/Paramedic. You can follow Phil on twitter via [www.twitter.com/skimedic](https://twitter.com/skimedic) and read his blog at www.skimedic.com/blog.



Conference Speakers, continued

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 15 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). 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
LinkedIn: www.linkedin.com/in/activenick

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, Magenic



Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world. Rockford is a Microsoft Regional Director and MVP. Magenic (magenic.com) is a company that specializes in planning, designing, building and maintaining your enterprise's most mission critical systems. For more information go to lhotka.net.

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.

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>.

Keenan Newton - Sr. Product Marketing Manager, Microsoft



Keenan Newton is a Senior Product Manager for Microsoft focused on the SharePoint developer audience in the SharePoint product management group. Responsibilities include messaging and positioning, talking with customers and providing feedback back to engineering, influencing engineering on product direction and participating in large events such as Microsoft TechEd and SharePoint Conference. Prior to being in the SharePoint PMG, Keenan was a Senior Consultant with Microsoft Consulting Services architecting SharePoint and custom applications.

Brian Noyes - CTO and Architect, Solliance



Brian Noyes is CTO and Architect at Solliance. Brian is a Microsoft Regional Director and MVP, and specializes in rich client technologies including XAML and HTML 5, as well as building the services that back them with WCF and ASP.NET Web API. Brian has authored several books including Developer's Guide to Microsoft Prism 4, Data Binding with Windows Forms 2.0, and Smart Client



Conference Speakers, continued

Deployment with ClickOnce. He publishes articles frequently in a variety of publications and speaks at conferences worldwide including Microsoft TechEd, DevConnections, DevIntersection, VSLive!, DevTeach and others. Brian got started programming as a hobby while flying F-14 Tomcats in the U.S. Navy, later turning his passion for software into his current career. You can follow Brian through his blog at <http://briannoyes.net> and Twitter @briannoyes.

Al Pascual - Software Developer, Esri



Al Pascual works at Esri, developing in Silverlight, ASP.NET and WP7. Al is into open source and OpenStreetMap. Previous to the corporate world, Al spent a few years working as a consultant, when .NET came out, Al helped companies be more productive. He became a pure web developer, believing that HTTP will rule the world and ASP.NET had nothing to do with classic ASP until Razor came out. Al is a Microsoft MVP since 2007 and regularly speaks at conferences around the world.

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 VSLive!, Tech•Ed, and the PDC. In addition, Brian shares through the written word. Brian currently writes the Team System column for MSDN Magazine.

Yaniv Rodenski - Senior Consultant, Sela Group



Yaniv Rodenski is a Senior Consultant and Trainer at Sela with over 14 years of experience in developing, designing and managing software systems. Yaniv's main focus is distributed applications. Parallel programming and cloud computing using technologies such as WCF, Task Parallel Library (TPL), Windows Azure and Windows HPC Server 2008 R2. Currently, Yaniv is leading the development for a showcase project for Microsoft DPE focusing on Windows Azure and HPC.

Daniel Roth - Senior Program Manager, Microsoft



Daniel Roth is a Senior Program Manager on the Windows Azure Application Platform team currently working on ASP.NET Web API, a new framework for building HTTP services that can reach a broad range of clients including browsers and mobile devices. Prior to working on ASP.NET he worked on WCF starting when it first shipped in .NET 3.0. His passions include delighting customers by making frameworks simple and easy to use. He spends his spare time with his wife and two boys, Benjamin and Joshua.

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.

Christopher Woodruff - Senior Trainer, Telerik, Inc.



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



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The Windows Developer User Group has been established to nurture knowledge base and collaboration among Windows Phone & Windows 8 application developers & enthusiasts. While primarily based in Columbus OH, developers from all around Ohio, neighboring states and just about anybody who has interest in the Microsoft ecosystem, is most welcome. Modus operandi includes monthly User Group meetups and developer hackathons! Find us @ <http://thewindowsdeveloperusergroup.com/> or @windowsdevug.

Visit vslive.com/redmond for the growing list of sponsors and exhibitors.



Venue Information

Get Inside the Technological Mecca: Microsoft Headquarters!



Visual Studio Live! returns to the Microsoft Campus in Redmond, Washington in 2013 for more in-depth, behind the scenes developer training by technical experts.

Microsoft Headquarters

Microsoft Conference Center (Building 33)
16070 N.E. 36th Way
Redmond, WA 98052
Business Center Desk: 425.703.1800

Hotel Accommodations

Visual Studio Live! has partnered with the Hyatt Regency Bellevue for conference attendees at the reduced rate of \$209.00, plus tax, for single or double occupancy. This discounted rate is available through July 26, 2013. The Hyatt Regency Bellevue is approximately 5.8 miles from the Microsoft Conference Center and shuttles will be available for those attendees who register in the Visual Studio Live! room block.

Hyatt Regency Bellevue

900 Bellevue Way N.E.
Bellevue, WA 98004

Special attendee rate:
\$209.00*

Book by: July 26, 2013



Make your hotel reservation [online](#) or by calling Reservations at 1.888.421.1442 and ask for the Visual Studio Live! Room Block. **You must mention Visual Studio Live! to receive this special attendee rate of \$209/night.*** Rates are based on availability, so book your accommodations today.

- Rooms at the Hyatt Regency Bellevue in the Visual Studio Live! Room Block also includes the following:
- Complimentary in-room internet connectivity
- Complimentary access to the Hyatt Stay Fit gym and heated lap pool

**The room rate is \$209.00 per night excluding room tax of 14%.*

Shuttle Service to and from the Microsoft Campus Visual Studio Live! will be providing daily complimentary shuttle transportation between the Hyatt Regency Bellevue and the Commons on the Microsoft Campus. This shuttle service will be available to all attendees with a valid conference badge.

Directions to the Microsoft Conference Center (Building 33): The Microsoft Conference Center (Building 33) is at the main Microsoft Headquarters Campus in Redmond in the eastern suburbs of Seattle, across Lake Washington.

Directions from Sea-Tac Airport:

- Follow signs to Freeways; this will put you on SR 518 eastbound.
- Follow signs to Interstate-5 and Interstate-405.
- Take I-405 North-Renton (center lane).
- Continue on North I-405 through Renton and Bellevue, approximately 14 miles.
- Take SR-520 East exit toward Redmond.
- Exit SR-520 at NE 40th St exit.
- Turn Right at exit onto NE 40th St.
- Cross over 156th Avenue NE.
- Turn right onto 159th Avenue NE.
- The Microsoft Conference Center (Building 33) is located on your left.

Directions from I-405 in Bellevue:

- Exit onto SR-520 East, toward Redmond
- Go about three miles to the 40th Street Exit and you are almost there
- Turn RIGHT (East) onto NE 40th St
- Turn RIGHT (South) onto 159th Ave NE
- Bear LEFT (South) onto NE 36th Way
- You will see Executive Briefing Center – Round the corner to the left and arrive at the Conference Center at 16070 NE 36th Way, Redmond, WA 98052

Directions from I-5 in Seattle:

- Take I-5 Exit 168B, onto SR-520 East
- Take SR-520 about 10 miles across the Lake Washington floating bridge, through Bellevue, and past I-405
- Take the 40th Street Exit and you are almost there

- Turn RIGHT (East) onto NE 40th St
- Turn RIGHT (South) onto 159th Ave NE
- Bear LEFT (South) onto NE 36th Way
- You will see Executive Briefing Center – Round the corner to the left and arrive at the Conference Center at 16070 NE 36th Way, Redmond, WA 98052

Parking at Microsoft Conference Center:

Parking is available in the parking garages below and adjacent to the Microsoft Conference Center (Building 33). You will need to know your license number for registration.

Parking at the Hyatt Regency Bellevue

Self-parking is \$25 per day for Sunday night through Thursday night stays. Friday and Saturday night stays are complimentary (8pm Friday until 12am Sunday).

Valet Parking at the Hyatt Regency Bellevue is \$28 per day.





Registration Packages

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

Register now at
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The Visual Studio Live! Best Value Package is your five day all-access pass to every keynote, session, workshop and event **August 19-23, 2013**.

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Save \$300

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• 5-day Best Value Conference Pass
• 5 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Sunday
night (August 18) through Thursday night (August 22) departing Friday (August 23)
• Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

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Registration Packages, continued

The Visual Studio Live! Three Day Conference & Hotel Package includes the three day all-access pass (**August 20-22, 2013**) PLUS four nights at Hyatt Regency Bellevue, Bellevue, WA.

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(by July 17, 2013)
\$2,445
Save \$300

Standard
(after July 17, 2013)
\$2,745

PACKAGE INCLUDES:

- 3-day Conference Pass
- 4 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Monday night (August 19) through Thursday night (August 22) departing Friday (August 23)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on either **Monday, August 19** OR **Friday, August 23, 2013**.

ONE-DAY WORKSHOP PASS

\$495

PASS INCLUDES:

Pre-Conference Workshop – Monday, August 19, 2013; OR
Post-Conference Workshop – Friday, August 23, 2013

GROUP DISCOUNTS

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

For questions or to register your group, please call 541.346.3537

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Group Rate
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All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Post-conference workshops • Receptions • Networking Events • Lunch (August 19-23) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

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- 5 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Sunday night (August 18) through Thursday night (August 22) departing Friday (August 23)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue



Registration Packages, continued

ALUMNI DISCOUNTS

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\$1,595
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The Visual Studio Live! Alumni Complete Conference & Hotel Package includes the four day all-access pass (**August 19-23, 2013**) PLUS five nights at the Hyatt Regency Bellevue, Bellevue, WA.

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SUPER Early Bird
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\$2,995
Save \$500

Standard
(after July 17, 2013)
\$3,095
Save \$400

PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Sunday night (August 18) through Thursday night (August 22) departing Friday (August 23)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

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- Bill Polewchak, Solution Architect/Sr. Tech. Design Lead, Avery Dennison