

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



REDMOND 2014

August 18 – 22

**Microsoft Headquarters
Redmond, WA**

YOUR GUIDE TO THE .NET DEVELOPMENT UNIVERSE

Tracks Include:

- ASP.NET
- Cloud Computing
- Cross-Platform Mobile Development
- JavaScript / HTML5 Client
- SharePoint
- SQL Server
- Visual Studio / .NET Framework
- Windows Client
- Windows Phone

SET YOUR COURSE FOR 12.0.0.1!

CLICK HERE AND JOIN THE COMMUNITY DISCUSSIONS TODAY!



EVENT SPONSOR
Microsoft

PLATINUM SPONSOR
esri

SPONSOR
LogiGear
Software Testing

SUPPORTED BY
Visual Studio

msdn
magazine

Visual Studio
MAGAZINE

PRODUCED BY
1105 MEDIA

vslive.com/redmond



CONTENTS

3

A Message from the Co-Chairs
Advisory Council

4

10 Reasons to Attend

5

Activities & Events

7

Agenda: At-a-Glance

10

Keynotes / Sessions

11

Workshops

13

Visual Studio .NET Framework

14

Windows Client

16

Cloud Computing

18

Windows Phone

19

Cross-Platform
Mobile Development

20

ASP.NET

21

JavaScript / HTML5 Client

23

SharePoint

24

SQL Server

26

Speakers

31

Sponsors & Exhibitors

33

Venue & Travel

34

Registration Packages

A MESSAGE FROM THE CONFERENCE CO-CHAIRS

The Microsoft Development Platform is undergoing substantial change as Microsoft continues its rapid evolution of Windows 8, Windows RT, and Windows Phone. The Windows Runtime (WinRT) appears to be the future common development platform for the Windows clients. Add to that the industry-wide HTML5 push and Microsoft's ongoing commitments to JavaScript / TypeScript and related open source frameworks. Then there's SQL Server, Big Data and a continuous stream of enhancements to Windows Azure, and just about the whole stack has changed, or will very soon.

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

We're Andrew Brust and Rocky Lhotka, and as Conference Co-Chairs for Visual Studio Live! Redmond, we'd like to personally invite you to join us this August at Microsoft Headquarters in Redmond, WA, where we'll have some of the best content and speakers that you'll find at a technical conference.

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

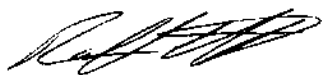
We've also got coverage on technologies like Microsoft Visual Studio 2013 / .NET 4.5.1, OWIN and Katana, Web API, Xamarin, and TypeScript. Then there's our workshop content, covering Modern UX Design, HTML5 single page applications, and SQL Server. These sessions and workshops burrow deep into the new subjects you need to master and the fundamentals that are always important.

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

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
Founder & CEO,
Blue Badge Insights,
Visual Studio Live!
Conference Co-Chair



Michael Desmond
Editor in Chief,
MSDN Magazine



Rockford Lhotka
CTO, Magenics,
Visual Studio Live!
Conference Co-Chair



Lafe Low
Editor, *Visual Studio Live!*



Keith Ward
Editor in Chief,
Visual Studio Magazine

10

REASONS TO ATTEND VISUAL STUDIO LIVE! REDMOND

- 1. SET YOUR COURSE FOR 127.0.0.1.** Where better to learn what's now, new, and next for the .NET platform than at the source – the idyllic Microsoft Headquarters in Redmond, WA.
- 2. 21 YEARS AND COUNTING.** We take pride in the fact that the Developer Community has come to us for the best in developer-focused education and training for over 20 years.
- 3. AN INCREDIBLE VALUE.** Get 5 days of developer-focused education for a great price! Plus, the earlier you register, the more you save!
- 4. MORE VIEWS THAN MOUNT RAINIER.** 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.
- 5. IN THE KNOW.** Visual Studio Live! offers a great selection of educational sessions for what you want and need to learn about NOW: Visual Studio 2013, .NET Framework, ASP.NET, JavaScript and HTML5, Data Management, Windows Phone, and more.
- 6. TOTAL IMMERSION.** The all-day pre and post-conference workshops give you the chance to dive deep into the nitty-gritty of today's hot .NET topics.
- 7. YOUR EXPERT GUIDES.** 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 willing and able to talk to you outside of sessions – it's a great opportunity to get insightful, on-point answers to some of your burning questions! Plus, don't miss the Ask the Experts event Tuesday event, an experience unique to the Redmond event!
- 8. IT'S ALL IN THE NAME: Visual Studio Live!** The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 provides ever more powerful features around debugging, architecture and application lifecycle management (ALM). Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and the .NET Framework today and into the future.
- 9. GET TO KNOW YOUR NEIGHBOR.** Developers, engineers, software architects and designers attend the Redmond event from all around the world—take advantage of the meals and networking events to get to know your colleagues.
- 10. EXPLORE THE PACIFIC NORTHWEST!** As if being on campus at Microsoft Headquarters isn't enough, you're just minutes away from Seattle, the Cascade Mountains, and the Pacific Ocean. It's a great chance to see an breathtaking part of America.

ACTIVITIES & EVENTS

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 18 & Thursday, August 21

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 2013, 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 including but not limited to:*

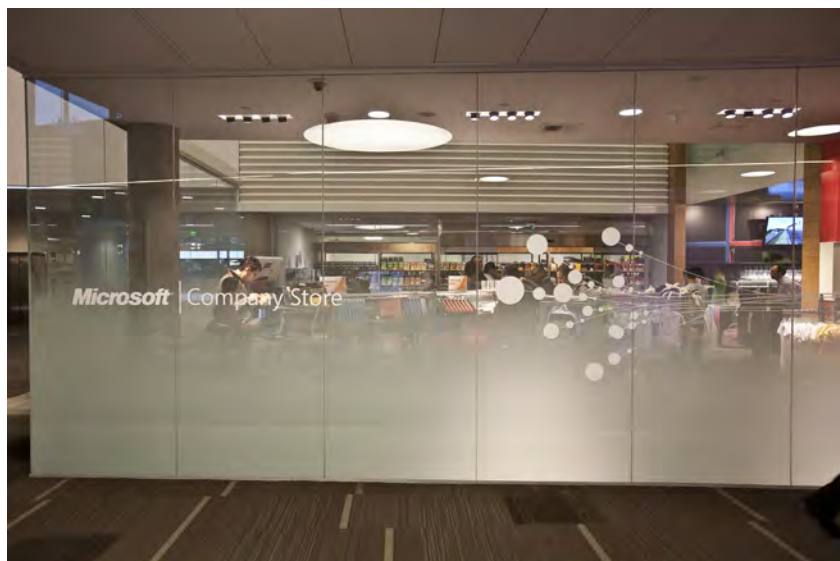
- Attendees will be given a voucher/form that allows them access to the employee only discount area to spend up to \$120 of their own money on select Microsoft products.
- All attendees must have a valid driver's license that matches the name on the voucher.
- If using a credit card for payment, the 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 the 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.



ACTIVITIES & EVENTS, CONTINUED

EVENTS:

LUNCH WITH THE BLUE BADGES

Monday, August 18 & Thursday, August 21

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.



DINE-A-ROUND DINNER

Monday, August 18

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



MICROSOFT ASK THE EXPERTS & EXHIBITOR RECEPTION

Tuesday, August 19

Visual Studio Live! Redmond's Exhibitor Reception will be combined with a 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.

BIRDS-OF-A-FEATHER LUNCH

Wednesday, August 20

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

Topics will include:

- ASP.NET (Web Forms, MVC)
- WPF / Silverlight
- Visual Studio
- Languages (VB, C#, JavaScript)
- ALM
- SharePoint and Office
- Services (WCF, Web API, OData)
- .NET
- Windows Azure
- Mobile Development
- Visual Studio LightSwitch
- HTML5/JavaScript/TypeScript
- Windows 8/WinRT apps
- SQL Server, BI and Big Data



LUCKY STRIKE EVENING PARTY

Wednesday, August 20

Code 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!

AGENDA AT-A-GLANCE (MONDAY & TUESDAY)

Visual Studio / .NET Framework		Windows Client	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	JavaScript / HTML5 Client	SharePoint	SQL Server
START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, August 18, 2014 (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: Modern UX Design - <i>Billy Hollis</i>	MW02 - Workshop: Data-Centric Single Page Applications with Durandal, Knockout, Breeze, and Web API - <i>Brian Noyes</i>				MW03 - Workshop: SQL Server for Developers - <i>Andrew Brust & Leonard Lobel</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: Modern UX Design - <i>Billy Hollis</i>	MW02 - Workshop: Data-Centric Single Page Applications with Durandal, Knockout, Breeze, and Web API - <i>Brian Noyes</i>				MW03 - Workshop: SQL Server for Developers - <i>Andrew Brust & Leonard Lobel</i>		
7:00 PM	9:00 PM	Dine-A-Round Dinner							
START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, August 19, 2014							
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 - Microsoft Session, details coming soon! <div>UNDER CONSTRUCTION</div>	T02 - Creating Data-Driven Mobile Web Apps with ASP.NET MVC and jQuery Mobile - <i>Rachel Appel</i>	T03 - HTML5 for Better Web Sites - <i>Robert Boedigheimer</i>		T04 - Introduction to Windows Azure - <i>Vishwas Lele</i>		T05 - What's New in the Visual Studio 2013 IDE	
11:15 AM	12:30 PM	T06 - What's New in WinRT Development - <i>Rockford Lhotka</i>	T07 - Microsoft Session, details coming soon! <div>UNDER CONSTRUCTION</div>	T08 - Great User Experiences with CSS 3 - <i>Robert Boedigheimer</i>		T09 - Windows Azure Cloud Services - <i>Vishwas Lele</i>		T10 - What's New for Web Developers in Visual Studio this Year? - <i>Mads Kristensen</i>	
12:30 PM	2:30 PM	Lunch - Visit Exhibitors							
2:30 PM	3:45 PM	T11 - Interaction Design Principles and Patterns - <i>Billy Hollis</i>	T12 - Getting Started with Xamarin - <i>Walt Ritscher</i>	T13 - Building Real Time Applications with ASP.NET SignalR - <i>Rachel Appel</i>		T14 - Microsoft Session, details coming soon! <div>UNDER CONSTRUCTION</div>		T15 - Why Browser Link Changes Things, and How You Can Write Extensions - <i>Mads Kristensen</i>	
3:45 PM	4:15 PM	Sponsored Break - Visit Exhibitors							
4:15 PM	5:30 PM	T16 - Applying UX Design in XAML - <i>Billy Hollis</i>	T17 - Building Multi-Platform Mobile Apps with Push Notifications - <i>Nick Landry</i>	T18 - JavaScript for the C# Developer - <i>Philip Japikse</i>		T19 - Windows Azure SQL Database – SQL Server in the Cloud - <i>Leonard Lobel</i>		T20 - Katana, OWIN, and Other Awesome Codenames: What's Coming? - <i>Howard Dierking</i>	
5:30 PM	7:00 PM	Microsoft Ask the Experts & Exhibitor Reception – Attend Exhibitor Demos							

Speakers and sessions subject to change

AGENDA AT-A-GLANCE (WEDNESDAY)

Visual Studio / .NET Framework		Windows Client	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	JavaScript / HTML5 Client	SharePoint	SQL Server
START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, August 20, 2014							
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 - Getting Started with Windows Phone Development - Nick Landry	W02 - Learning Entity Framework 6 - Leonard Lobel	W03 - Build Data-Centric HTML5 Single Page Applications with Breeze - Brian Noyes	W04 - What's New for XAML Windows Store Apps - Ben Dewey	W05 - Upgrading Your Existing ASP.NET Apps - Pranav Rastogi			
10:45 AM	12:00 PM	W06 - Build Your First Mobile App in 1 Hour with Microsoft App Studio - Nick Landry	W07 - Programming the T-SQL Enhancements in SQL Server 2012 - Leonard Lobel	W08 - Knocking it Out of the Park, with Knockout.JS - Miguel Castro	W09 - From the Internet of Things to Intelligent Systems: A Developer's Primer - Rick Garibay	W10 - Creating Map Centric Applications for Windows, WinRT and Window Phone - Ben Ramseth			
12:00 PM	1:30 PM	Birds-of-a-Feather Lunch - Visit Exhibitors							
1:30 PM	2:45 PM	W11 - What's New for HTML/WinJS Windows Store Apps - Ben Dewey	W12 - SQL Server 2014: Features Drill-down - Scott Klein	W13 - JavaScript: Turtles, All the Way Down - Ted Neward	W14 - Zero to Connected with Windows Azure Mobile Services - Brian Noyes	W15 - Microsoft Session, details coming soon! UNDER CONSTRUCTION			
2:45 PM	3:15 PM	Sponsored Break - Exhibitor Raffle @ 2:55 pm (Must be present to win)							
3:15 PM	4:30 PM	W16 - Windows 8 HTML/JS Apps for the ASP.NET Developer - Adam Tuliper	W17 - SQL Server 2014 In-memory OLTP - Deep Dive - Scott Klein	W18 - AngularJS JumpStart - Brian Noyes	W19 - Leveraging Windows Azure Web Sites - Rockford Lhotka	W20 - ALM with Visual Studio 2013 and Team Foundation Server 2013 - Brian Randell			
8:00 PM	10:00 PM	Lucky Strike Evening Out Party							

Speakers and sessions subject to change

AGENDA AT-A-GLANCE (THURSDAY & FRIDAY)

Visual Studio / .NET Framework	Windows Client	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	JavaScript / HTML5 Client	SharePoint	SQL Server
-----------------------------------	-------------------	--------------------	------------------	--------------------------------------	---------	------------------------------	------------	------------

START TIME	END TIME	Visual Studio Live! Day 3: Thursday, August 21, 2014				
7:30 AM	8:00 AM	Registration - Coffee and Morning Pastries				
8:00 AM	9:15 AM	TH01 - Developing Awesome 3D Applications with Unity and C#/JavaScript - <i>Adam Tuliper</i>	TH02 - AWS for the SQL Server Professional - <i>Lynn Langit</i>	TH03 - Sexy Extensibility Patterns - <i>Miguel Castro</i>	TH04 - Beyond Hello World: A Practical Introduction to Node.js on Windows Azure Websites - <i>Rick Garibay</i>	TH05 - Leveraging Visual Studio Online - <i>Brian Randell</i>
9:30 AM	10:45 AM	TH06 - What's New in WPF 4.5 - <i>Walt Ritscher</i>	TH07 - Real-world Predictive Analytics with PowerBI and Predixion Software - <i>Lynn Langit</i>	TH08 - What's New in MVC 5 - <i>Miguel Castro</i>	TH09 - Solving Security and Compliance Challenges with Hybrid Clouds - <i>Eric D. Boyd</i>	TH10 - Essential C# 6.0 - <i>Mark Michaelis</i>
11:00 AM	12:15 PM	TH11 - Implementing MVVM (Model-View-View Model) for WPF - <i>Philip Japikse</i>	TH12 - Excel, Power BI and You: An Analytics Superhub - <i>Andrew Brust</i>	TH13 - What's New in Web API 2 - <i>Miguel Castro</i>	TH14 - Building Mobile Applications with SharePoint 2013 - <i>Darrin Bishop</i>	TH15 - Performance and Diagnostics Hub in Visual Studio 2013 - <i>Brian Peek</i>
12:15 PM	2:15 PM	Lunch @ The Mixer - Visit the Microsoft Company Store & Visitor Center				
2:15 PM	3:30 PM	TH16 - Build Maintainable Windows Store Apps with MVVM and Prism - <i>Brian Noyes</i>	TH17 - Big Data 101 with HDInsight - <i>Andrew Brust</i>	TH18 - Finding and Consuming Public Data APIs - <i>G. Andrew Duthie</i>	TH19 - Building Apps for SharePoint - <i>Mark Michaelis</i>	TH20 - Git for the Microsoft Developer - <i>Eric D. Boyd</i>
3:45 PM	5:00 PM	TH21 - Make Your App Alive with Tiles and Notifications - <i>Ben Dewey</i>	TH22 - NoSQL for the SQL Guy - <i>Ted Neward</i>	TH23 - Provide Value to Customers and Enhance Site Stickiness By Creating an API - <i>G. Andrew Duthie</i>	TH24 - Data as Information: Understanding Your SharePoint 2013 Business Intelligence Options - <i>Darrin Bishop</i>	TH25 - Writing Asynchronous Code Using .NET 4.5 and C# 5.0 - <i>Brian Peek</i>

START TIME	END TIME	Visual Studio Live! Post-Conference Workshops: Friday, August 22, 2014 (Separate entry fee required)	
7:30 AM	8:00 AM	Post-Conference Workshop Registration - Coffee and Morning Pastries	
8:00 AM	12:00 PM	WF01 - Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API - Miguel Castro	WF02 - Workshop: A Day of Windows Azure - Eric D. Boyd
12:00 PM	1:00 PM	Lunch	
1:00 PM	5:00 PM	WF01 - Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API - Miquel Castro	WF02 - Workshop: A Day of Windows Azure - Eric D. Boyd

Speakers and sessions subject to change



Microsoft

Details Coming Soon!

KEYNOTES

Want a front-row seat to the future of technology? We've got big plans for our keynotes this year at Visual Studio Live! Redmond! Microsoft is unveiling many exciting new updates at TechEd, which will drive the topic areas for our keynote addresses. Learn what's hot on today's tech landscape and what exciting developments lie ahead for 2014 and beyond. Stay tuned for more details coming soon!

Day One Keynote

Tuesday, August 19
8:30 - 9:30 am

Day Two Keynote

Wednesday, August 20
8:00 - 9:00 am



SESSIONS

There are many perks to attending training at Microsoft Headquarters, and one of the biggest is getting to hear from Microsoft insiders who are "in the trenches", working with developers just like you on a daily basis. These sessions are a chance to hear the newest and latest techniques from those truly in the know. Stay tuned for more details coming soon!

Tuesday, August 19

T01: 9:45 - 11:00 am

T07: 11:15 - 12:30 pm

T14: 2:30 - 3:45 pm

Wednesday, August 20

W15: 1:30 - 2:45 pm



VISUAL STUDIO LIVE! WORKSHOPS

WORKSHOPS

Choose from a range of content and topics by expert presenters with Visual Studio Live! Redmond's Pre- and Post-Conference full day workshops.

■ MW01 Workshop: Modern UX Design – Introductory

Billy Hollis

Monday, August 18

8:00 am – 6:00 pm

Modern apps are now mainstream for many businesses, but they require new skills and processes compared to traditional business applications. In this highly interactive workshop, you'll learn principles and concepts you'll need for modern app design, plus process options for adding design phases to your development. Hints and pitfalls for designing mobile and touch applications will be covered, but most of the content applies to all modern applications, including those on the desktop. You'll also be challenged to solve real modern app problems, and work in small groups to apply your newly-learned design expertise. You'll also see examples of modern apps to provide you with inspiration for your own circumstances. This workshop is appropriate for anyone working on or starting work on a modern UI stack, such as XAML, HTML5, iOS, or Android.

You will learn:

- The most important fundamental design principles that inform the design of modern apps
- Discover a path to continue learning design principles on your own
- See options for a structured design process
- Specific design hints for mobile and touch applications

■ MW02 Workshop: Data-Centric Single Page Applications with Angular, Breeze, and Web API

– Introductory / Intermediate

Brian Noyes

Monday, August 18

8:00 am – 6:00 pm

You need to build a HTML client app either as a browser app or to package as a hybrid mobile app, and there is a lot of data presentation and manipulation involved. You must be fully embracing the Single Page Application (SPA) architecture, or you August just have some highly interactive and data-centric pages you need to implement. You want to make sure you end up with good, clean, maintainable, testable, and easy to implement 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 Angular to separate the UI data manipulation, separate the markup and logic, and navigate between views. You'll see how to use 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 AngularJS
- How to structure views, view models, and navigation with Angular
- How to simplify AJAX data access via services with Breeze

■ MW03 Workshop: SQL Server for Developers – Intermediate

Andrew Brust & Leonard Lobel

Monday, August 18

8:00 am – 6:00 pm

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. Then preview the T-SQL enhancements coming in SQL Server 2012, such as windowing (OVER clause) enhancements, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

We'll then look at the business intelligence capabilities in SQL Server and related technologies, including Analysis Services Tabular mode; PowerPivot, Excel's BI capabilities and Excel Services; Reporting Services and its self-service Report Parts feature; Power View (formerly



VISUAL STUDIO LIVE! WORKSHOPS, CONTINUED

project “Crescent”); PerformancePoint Services; and a quick look at Master Data Services, Data Quality Services and StreamInsight. We’ll look at each of these products separately and see how to use them together. We’ll also cover the basics of SQL Server Analysis Services’ conventional MOLAP mode to set the context properly.

Then we’ll examine the “beyond relational” features in SQL Server 2008, and the latest additions added 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

■ FW01 Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API – Intermediate

Miguel Castro

Friday, August 22

8:00 am – 5:00 pm

Service Oriented Architectures are the best way to ensure that today’s applications are extensible, maintainable, and scalable in a volatile world filled with ever-changing

demands. Decomposing your systems into smaller, loosely coupled, and more autonomous components ensures that your application can continue to grow or change without having to continuously undergo rewrites or redesigns. But with great power comes great responsibility (don’t say it), and the need for great technology and tooling. WCF is the heart of Microsoft’s stack for building connected systems and loosely coupled components. ASP.NET Web API is the latest addition to this stack in a world where REST and its interoperability power becomes more necessary and in more demand. Come learn both of these technologies and how to properly use them, apart and together. I’ll teach you what a Service Oriented Architecture is and how to use WCF & Web API from the ground up. Then I’ll show how to integrate both these technologies together into applications whose clients may vary from WPF to ASP.NET MVC to Windows 8 Tablet apps. I’ll cover setup and consumption of your services end-to-end, showing you how and where to properly set up your projects, properly use proxies, contracts, and even REST URL design. You’ll have the knowledge of how to use service technology and to properly implement it in a clean and elegant fashion.

You will learn:

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

■ FW02 Workshop: A Day of Windows Azure – Introductory / Intermediate

Eric D. Boyd

Friday, August 22

8:00 am – 5:00 pm

Windows Azure has grown-up to become a Cloud Platform for developers and IT Pros to create and host applications at scale, deploy infrastructure and backend application servers, and do things that were previously not feasible due to the significant cost and time to get started.

In this workshop, Windows Azure MVP, Eric D. Boyd will walk you through the Compute, Data and Application Services that make up Windows Azure. This includes Web Sites, Cloud Services, Virtual Machines, Virtual Networks, Storage, SQL Database, Active Directory, Mobile Services,

and more. You will learn how to create web and mobile applications using Windows Azure. You will learn how to run your on-premise applications and application servers in Windows Azure. And you’ll even learn how to create a hybrid cloud between Windows Azure and your own data center to enable cross-premise connectivity.

Even if you’re not considering deploying your production applications to Windows Azure at this time, using Windows Azure for Dev/Test can accelerate your software development efforts, and Eric will walk through how to use Windows Azure for Dev/Test.

Lastly, you will learn general best practices for architecting applications for scale, cost, reliability and management in Windows Azure from Eric’s real-world experience building highly available, large scale applications in Windows Azure.

You will learn:

- Overview of Windows Azure Compute, Data and Application Services
- How to build new applications on Windows Azure
- How to migrate existing applications and application servers to Windows Azure
- General best practices from real-world Windows Azure experience



SESSION DESCRIPTIONS BY TRACK

VISUAL STUDIO / .NET FRAMEWORK

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

- Numerous new sessions focused on Visual Studio 2013 and Windows 8.x
- ALM, Visual Studio tooling, Visual Studio Online, and DevOps
- Asynchronous programming
- Modern .NET development practices and principles

T05 What's New in the Visual Studio 2013 IDE – Introductory / Intermediate

Tuesday, August 19 9:45 am – 11:00 am

With Visual Studio 2013 it just gets better when your IDE is connected. New roaming support, notifications and a new Visual Studio Updates experience means you get fixes and features sooner. Come see demonstrations that show off the many new productivity improvements, how Visual Studio takes understanding code to the next level and other IDE features in the next version of Visual Studio.

W20 ALM with Visual Studio 2013 and Team Foundation Server 2013

– Intermediate

Wednesday, August 20

Brian Randell

3:15 pm – 4:30 pm

Have you looked at the latest versions of Visual Studio and Team Foundation Server for your teams? Well you should. A lot has changed. From better agile management tools, Team Rooms, Git support, DevOps integration with System Center, PowerShell integration with Builds, TFS has something for everyone. As for Visual Studio, tools like CodeLens, IntelliTrace, and rich test integration mean there's lots of great tools to write better code, deliver higher quality solutions, and find those nasty problems when they do show up.

TH03 Sexy Extensibility Patterns

– Intermediate

Thursday, August 21

Miguel Castro

8:00 am – 9:15 am

Writing software that can be maintained is and always has been crucial. But so is writing software that can be enhanced and extended. It's become quite common place for many apps today to expose APIs so externally written apps can have access to their data or their services. But imagine how cool it is to expose an API for changing or extending an application's functionality. I'm talking about the ability to use the architecture of an application in order to enhance that system. This is the power of the patterns and techniques I'm going to show you in this session. They're very useful and very geeky so bring your propeller hat.

TH05 Leveraging Visual Studio Online

– Intermediate

Thursday, August 21

Brian Randell

8:00 am – 9:15 am

Moving to the cloud means many things. For one you no longer have to worry about backing up your TFS box. You do backup right? What about restore? In either case Visual Studio Online offers a great experience for most teams and in this session Brian will show the latest features and how you use them. You learn about Code—using traditional Team Foundation version control as well as Git. You'll see the agile planning tools, rich test features, as well as Build. In addition, you'll get a preview of the new Application Insights features to help you monitor your production applications.

TH10 Essential C# 6.0 – Intermediate

Mark Michaelis

Thursday, August 21

9:30 am – 10:45 am

Don't miss this session to preview the C# language changes that will be part of C# 6.0. Whether they are related to Roslyn or actual language improvements, this session will show you how C# 6.0 will streamline your development and eliminate some of C#'s traditional ceremony.

You will learn:

- C# 6.0 language changes
- Best practices regarding the new C# features
- Real world examples of how C# 6.0 will improve .NET development

TH15 Performance and Diagnostics Hub in Visual Studio 2013

– Introductory / Intermediate

Thursday, August 21

Brian Peek

11:00 am – 12:15 pm

Visual Studio 2013 has introduced a new Performance and Diagnostics hub which encompasses a variety of new and old tools to profile your Windows Store applications. In this session, we will take a detailed look at all of the tools that the Performance and Diagnostics Hub has to offer with both XAML and HTML/JavaScript Windows Store apps.

You will learn:

- Overview of the Performance and Diagnostics Hub
- How to profile applications for Energy Consumption, UI responsiveness and memory usage
- How to fix those issues to build a better application

TH20 Git for the Microsoft Developer

– Intermediate

Thursday, August 21

Eric D. Boyd

2:15 pm – 3:30 pm

For the longest time I avoided Git, but I was forced into using it on a project, and I fell in love. If you have avoided Git and written it off as something the hipster, open-source kids are doing, you're missing out. Come learn what Git is all about and differences between other popular version control systems like TFS and Subversion.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

We will walk through how to use Git from the command line and explore the jargon and commands introduced by Git that is likely different from your current version control system. Next, we will take a look at GUI tools that can simplify working with Git and how you can continue to work from Visual Studio and even TFS integrated with Git. We will also consider the various places you can host your Git repository and the Pro's and Con's of each. Lastly, we will consider why Git has a promising future, and we will take a look at the ecosystem that is adopting Git and requiring Git to use their tools.

You will learn:

- What Git is all about
- How to use Git and an overview of all of the commands and Git jargon
- How to simply use Git with GUI tools and Visual Studio

TH25 Writing Asynchronous Code Using .NET 4.5 and C# 5.0

– *Introductory*

Brian Peek

Thursday, August 21

3:45 pm – 5:00 pm

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

You will learn:

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

WINDOWS CLIENT

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

- What's new in WinRT development
- XAML UX design
- What's new for HTML/WinJS Windows Store apps

T01 What's New in WinRT Development – *Introductory*

Rockford Lhotka

Tuesday, August 19

9:45 am – 11:00 am

As Windows 8 matures and Microsoft moves Windows 8 and Windows Phone closer together, the Windows Runtime (WinRT) becomes more and more important as a development platform. With the latest updates to Windows 8 Microsoft continues to evolve toward a rich environment. In this session you will learn what is new and changed in WinRT, and how to leverage these capabilities in your app development efforts.

You will learn:

- What is new in WinRT
- What has changed in WinRT
- How to leverage these capabilities in your development efforts

T06 What's New for XAML Windows Store Apps – *Intermediate*

Ben Dewey

Tuesday, August 19

11:15 am – 12:30 pm

This is a must-see session for anyone who is writing or interested in writing Windows Store apps using XAML for Windows 8.1. This session will cover some of the general WinRT updates, which enable new devices, new actions, and a more consistent experience across the platform. With a focus on XAML, attendees will see all the new controls and XAML support added to Windows 8.1. There will be plenty of demos to show off all the new functionality including the new XAML features in Visual Studio 2013.

You will learn:

- New Features in WinRT for Windows 8.1
- New Features and Controls in XAML for Windows 8.1 Apps
- New Features for XAML in Visual Studio 2013

T11 Interaction Design Principles and Patterns – *Introductory*

Billy Hollis

Tuesday, August 19

2:30 pm – 3:45 pm

Developers often think "design" means "visual design" and is done by graphic artists. But the real business value is in interaction design – helping users navigate through an application and interact with it in an intuitive and productive fashion. This session will cover some of the most important design principles for productive and clear user interaction, and show some of the more commonly used interaction patterns in both desktop and mobile applications.

You will learn:

- Understanding the difference between visual design and interaction design
- Learning important principles about efficient interaction design, such as Hick's Law and Gestalt Similarity
- Gain an understanding of common interaction patterns for interaction design, which serves as a checklist starting point when doing your own apps

SESSION DESCRIPTIONS BY TRACK, CONTINUED

T16 Applying UX Design in XAML

– *Intermediate*

Billy Hollis

Tuesday, August 19

4:15 pm – 5:30 pm

Modern apps can be written on several UI stacks, but XAML shines as a platform for innovative productive user experience. In this session, you'll see XAML examples of modern application design, with implementations you can take home. You'll see a desktop shell, a mobile search screen, and improved replacements for the infamous "wall of data grids" design. You'll see examples of visualization of data using XAML visual elements, in which raw data is transformed into visuals that the user assimilates quickly and easily. If you work in XAML, don't be satisfied with screens that look like brightly colored Windows Forms – come to this session to see ways you can create more compelling and productive experiences for your users.

You will learn:

- See basic XAML techniques for getting the look and feel of a modern app
- Understand options for replacing data grids with better user experiences in XAML, using innovative and advanced data templates
- Learn ways to transform data into user-centric representations using XAML visual elements

W10 Creating Map Centric Applications for Windows, WinRT and Window Phone – *Introductory*

Ben Ramseth

Wednesday, August 20

10:45 am – 12:00 pm

In this session the presenter will explore the steps to building a map centric application. This will be done using Esri's ArcGIS Runtime SDK for .NET. This SDK provides the building blocks needed to build applications that will run on Windows, WinRT or Windows Phone. This application can communicate with REST endpoints available through Esri's ArcGIS Platform or with data that is local to the computer or device. The ArcGIS Platform provides many ways to visualize, store and analyze spatial data. Using this

SDK a developer can build an applications that contain a substantial amount of reusable code, that will allow a quick development of specific applications for Windows, WinRT and Windows Phone.

You will learn:

- Explore ways to add your data to the map
- Discover ways to query and analyze data
- Create an application that works in a disconnected environment
- Share code between Windows, WinRT and Window Phone

W11 What's New for HTML/WinJS Windows Store Apps – *Intermediate*

Ben Dewey

Wednesday, August 20

1:30 pm – 2:45 pm

Are you building Native Windows Apps with HTML5 and Javascript 0 or are you a web developer looking to target Windows Apps with your skills this session is for you. We will cover the new features of WinRT that enable a consistent experience across all apps. There will be a number of demos that focus on all the new controls and layout support within WinJS and the new end user productivity features which enable new gestures and keyboard shortcuts.

You will learn:

- New Features in WinRT for Windows 8.1
- New Features and Controls in WinJS for Windows 8.1 Apps

W16 Windows 8 HTML/JS Apps for the ASP.NET Developer – *Introductory*

Adam Tuliper

Wednesday, August 20

3:15 pm – 4:30 pm

As ASP.NET developers we've harnessed the power of HTML, JavaScript, libraries, controls, C#/VB.NET, and more to develop some of the finest applications. Armed with your existing HTML/JavaScript/CSS knowledge, know that your languages are first-class citizens in the Windows 8 world. This talk leads you through the similarities and differences between the platforms, controls, data binding, navigation, and more all to get you up and running

quickly to develop your Windows 8 applications. Love your current language too? No problem, we'll cover how to include other managed code in an HTML/JS application as well. Are you considering this technology for your enterprise? We'll cover what the side loading process is as well for enterprise app loading. We'll talk about other framework integration too such as jQuery and Knockout.

Wondering if the time is right for you to develop a Windows 8 app? Windows 8 currently has a reach of over 140 million installations - each with access to the Store application that is installed by default so let's get started now!

You will learn:

- How Windows Store HTML/JS applications are structured
- When and how to use your existing assets in Windows Store projects
- The basics of what WinJS is and when to use it for your code

TH01 Developing Awesome 3D Applications with Unity and C#/JavaScript – *Introductory*

Adam Tuliper

Thursday, August 21

8:00 am – 9:15 pm

Unity is the premier advanced platform to develop stunning 2D and 3D applications & games for all major desktop and mobile platforms using C# or JavaScript. Microsoft and Unity have partnered together to provide first class support in the Unity platform for Windows 8 and Windows Phone applications for free to the developer, rounding out cross platform support for every major platform. Come learn about the basics of Unity, how it utilizes the .NET Open Source Mono framework, the UI, assets, animations, code in C# and JavaScript, ways to develop, and some simple but powerful 2D/3D application techniques to get up and running fast with Unity.

You will learn:

- How to navigate Unity's interface and assign advanced functionality to objects
- How to develop a complete application in Unity
- How to package Unity applications for Microsoft's platforms

SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH06 What's New in WPF 4.5

– *Introductory / Intermediate*

Walt Ritscher

Thursday, August 21

9:30 am – 10:45 am

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

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

You will learn:

- See the binding improvements added to the API
- How to use the new Async APIs and learn the threading improvements
- About the Live Shaping for list data

TH11 Implementing MVVM (Model-View-View Model) for WPF

– *Intermediate*

Philip Japikse

Thursday, August 21

11:00 am – 12:15 pm

Now you are writing WPF applications, and wondering what is all this code in the code behind? Shouldn't we be doing something different? Our cousins working with ASP.NET MVC don't even have a code behind! The answer is YES you should indeed be doing it differently. Which of the (seemingly) thousands of MVVM projects should I use? The M-V-VM pattern is the WPF adaptation of the Presentation Model pattern (first documented by Martin Fowler). I will show how the M-V-VM pattern is utilized in WPF for building SOLID WPF applications that are testable, reusable, and maintainable.

You will learn:

- The MVVM Pattern
- Why the MVVM pattern is useful and how it helps
- Features of WPF that need to be utilized for MVVM implementation

TH16 Build Maintainable Windows Store Apps with MVVM and Prism

– *Intermediate*

Brian Noyes

Thursday, August 21

2:15 pm – 3:30 pm

The Model-View-ViewModel (MVVM) pattern has been popular for a while in XAML technologies as a way of separating concerns in your client code, but applying it on the WinRT platform for Windows 8 apps requires you to integrate properly with new platform features such as navigation and application lifecycle that are quite different than WPF or Silverlight. In this session you will get a quick review of the fundamentals of MVVM, you'll see how to structure your Windows Store app with MVVM, and you'll see how to keep the logic that drives navigation and state management in your view models where it belongs. You'll learn what you need to implement the pattern on your own, and then you will see how to leverage the Microsoft Prism for Windows Runtime guidance from patterns & practices to accelerate your implementation using these patterns.

You will learn:

- How to integrate the MVVM pattern on the WinRT platform
- How to manage navigation and application state management in your ViewModels
- How to leverage Prism for Windows Runtime to implement MVVM on WinRT

TH21 Make Your App Alive with Tiles and Notifications – *Introductory / Intermediate*

Ben Dewey

Thursday, August 21

3:45 pm – 5:00 pm

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

many ways in which you can communicate to your user via Tiles and Notifications.

You will learn:

- How to implement Live Tiles
- How to implement secondary tiles
- How to implement badges and notifications

CLOUD COMPUTING

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

- Introduction to Windows Azure
- Windows Azure Mobile Services
- Windows Azure Web Sites (WAWS)
- Windows Azure SQL Database

T04 Introduction to Windows Azure

– *Introductory*

Vishwas Lele

Tuesday, August 19

9:45 am – 11:00 am

Windows Azure is Microsoft's application platform for the public cloud. You can use this platform in many different ways. For instance, you can use Windows Azure to build a web application that runs and stores its data in Windows Azure datacenters. You can use Windows Azure to create virtual machines for development and test or to run SharePoint and other applications. You can use Windows Azure just to store data, with the applications that use this data running on-premises (that is, outside the public cloud). You can use Windows Azure to build massively

SESSION DESCRIPTIONS BY TRACK, CONTINUED

scalable applications with lots and lots of users. In this session we will go over many of such practical examples that can help you get started with Windows Azure. No prior experience in Windows Azure is needed.

You will learn:

- Introduction to Cloud Computing
- Overview of Windows Azure Platform (including latest enhancements in VS 2013)
- Real world applications of Windows Azure

T09 Windows Azure Cloud Services

– Introductory

Vishwas Lele

Tuesday, August 19

11:15 am – 12:30 pm

Using cloud services customers can quickly deploy and manage powerful applications. Simply upload your application and Windows Azure handles the deployment details - from provisioning and load balancing to health monitoring for continuous availability. Your application is backed by an industry leading 99.95% monthly SLA. You just focus on the application and not the infrastructure. In this session, using code examples in VS 2013 and latest Windows Azure SDK, you will learn about the benefits of cloud services and how you can use it in your applications.

You will learn:

- Introduction to cloud services
- Scalability with cloud services
- Modern cloud architectures with cloud services
- Monitor, alert and auto scale with cloud services

T19 Windows Azure SQL Database – SQL Server in the Cloud – Intermediate

Leonard Lobel

Tuesday, August 19

4:15 pm – 5:30 pm

This session will get you ramped up quickly on SQL Database – the Windows Azure version of SQL Server. Lenni will start from square one: signing up for a Microsoft account and Windows Azure subscription. From there, you'll learn how to leverage a host of tools to connect with SQL Database, including the Windows Azure and SQL Database management portals, SQL Server

Management Studio (SSMS), SQL Server Data Tools (SSDT), PowerShell, and the Management REST API.

After covering setup and configuration, you'll learn about the SQL Database pricing structure. We'll then cover the most pressing cloud concerns with SQL Database, including data migration, security, and backup, as well as other topics, including synchronization with SQL Data Sync and reporting with SQL Server Reporting Services (SSRS) on a Windows Azure VM. We'll conclude by discussing important differences between SQL Database and SQL Server. Attend this session and get working with SQL Database today!

You will learn:

- Setup and configure SQL Database
- Learn about SQL Database pricing, migration, security, backup, synchronization, and reporting
- Understand the differences between SQL Database and SQL Server

W09 From the Internet of Things to Intelligent Systems: A Developer's Primer – Introductory

Rick Garibay

Wednesday, August 20

10:45 am – 12:00 pm

Analysts predict that there will be 24 billion Internet connected devices by 2020. Imagine every device as an object that is capable of communicating with one another and other systems to handle simple tasks like tracking your weight to being able to close your garage door when you forget on your way to work.

The Internet of Things is here, and there is a whole new breed of intelligent systems that have the potential to be bigger than mobility and the cloud combined. Join 6-time Microsoft MVP Rick G. Garibay for a fun and interesting session in which you'll learn what the IoT is all about and how the marriage of cloud capabilities like Windows Azure Service Bus and devices like Arduino and Netduino enable you to start building intelligent systems today while innovating for tomorrow.

You will learn:

- What IoT is all about
- How Intelligent Systems takes IoT and applies business relevance

- Fun devices and boards available on the cheap
- The Messaging and Analytics side to IoT

W14 Zero to Connected with Windows Azure Mobile Services

– Introductory / Intermediate

Brian Noyes

Wednesday, August 20

1:30 pm – 2:45 pm

Windows Azure Mobile Services (WAMS) providing an amazing productivity booster for getting simple cloud-connected mobile applications up and running on multiple client platforms in minimal time and effort. In this session, you will learn how to implement mobile services that support simple data access, authentication and authorization, and push notification to your mobile clients on iOS, Windows Phone, Windows 8, .NET, JavaScript and Android clients. You will learn how to setup and enable the basics in minutes, as well as how to use the server scripting capabilities to integrate with other data sources and services and perform server validation logic and authorization. You'll also learn what the limitations of WAMS are and how you can move beyond them if you need to.

You will learn:

- Where and when the use of Windows Azure Mobile Services is appropriate
- How to set up and configure Mobile Services
- How to use CRUD services, authentication, notifications, and custom Web API features of Mobile Services

W19 Leveraging Windows Azure Web Sites – Introductory

Rockford Lhotka

Wednesday, August 20

3:15 pm – 4:30 pm

One of the most compelling features of Windows Azure is the ability to easily host web sites. Windows Azure Web Sites (WAWS) make it easy to create a web site based on an existing template, or to host your own custom web site. You can choose various hosting options and scalability settings, meaning that WAWS can be used for very small or large web sites.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

You will learn:

- What is Windows Azure Web Sites
- How to create a web site based on a template, or a custom web site
- How to configure hosting and scalability options for web sites

TH04 Beyond Hello World: A Practical Introduction to Node.js on Windows Azure Websites – Introductory

Rick Garibay

Thursday, August 21

8:00 am – 9:15 am

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

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

In this talk, we'll look at why Node.js is the perfect framework for building a fast, slick little URL shortening service that is easy to maintain and scales really well on the web. We'll look at how easy it is to get up and running with free Windows Azure Websites along with persistence options and who knows, we might just write the next killer URL shortening service!

You will learn:

- What Node.js is all about
- Good applications for Node.js (and those to avoid)
- A pragmatic example of how to apply Node.js for building a highly scalable, but simple API on Windows Azure Websites

TH09 Solving Security and Compliance Challenges with Hybrid Clouds – Intermediate

Eric D. Boyd

Thursday, August 21

9:30 am – 10:45 am

When considering public clouds, many industries and companies have concerns about security, intellectual property and regulatory compliance challenges. The good news is a hybrid cloud can often solve these challenges. In this session, Eric D. Boyd will teach you how to use Windows Azure securely and protect sensitive information and achieve regulatory and compliance mandates, like PCI compliance, by combining on-premise data centers and private clouds with the Windows Azure public cloud. There are a number of ways to achieve this using messaging and networking technologies and during this presentation Eric will walk through the options and provide you with guidance on when to choose each.

You will learn:

- How to use the Public Cloud while paying attention to security and compliance
- Hybrid Cloud scenarios and the technology that enables them
- How to analyze your scenario and choose and appropriate Hybrid technology

"I REALLY ENJOYED SEEING A LOT OF CODE AND LESS SLIDES; NETWORKING WITH OTHER ATTENDEES WAS GREAT, PLUS BEING ABLE TO TALK TO SPEAKERS OUTSIDE SESSIONS WAS SO VALUABLE."

– Gudmundur Magnusson, Arion Bank

WINDOWS PHONE

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

- Getting started with WP
- Developing apps with Microsoft App Studio

W01 Getting Started with Windows Phone Development – Introductory / Intermediate

Nick Landry

Wednesday, August 20

9:15 am – 10:30 am

This session is your fast track into the new wonderful world of Windows Phone development. Come learn how your valuable .NET and Silverlight skills now make you a hot mobile developer. We'll perform a quick lap around Microsoft Visual Studio and the Windows Phone SDK, build our first app using XAML & C#, and debug it with the Windows Phone Emulator. We'll then explore the various Windows Phone SDK services and features, such as touch gestures, accelerometers, Live Tiles, speech, location & maps, and more. We'll also explore various toolkits and frameworks available to you for free to augment your development experience and productivity. It's time to drop that "other" phone. Pick-up a phone you will actually enjoy coding for. If you've waited this long to jump on board the mobility bandwagon, wait no more: This is the mobile platform you always wanted!

You will learn:

- The basics of the Windows Phone SDK, how to get started in mobile development and the available tools, including the emulator
- How to design a Windows Phone user interface with XAML in Visual Studio, which controls are available, how to extend the controls toolbox, and more
- About Windows Phone specific development features like touch gestures, accelerometers, Live Tiles, speech, notifications, location, mobile data access and more

SESSION DESCRIPTIONS BY TRACK, CONTINUED

W06 Build Your First Mobile App in 1 Hour with Microsoft App Studio – *Introductory / Intermediate* **Nick Landry** Wednesday, August 20 10:45 am – 12:00 pm

Microsoft App Studio is an innovative new tool to design and build a starter app for Windows Phone without writing any code. Whether you're a mobile development neophyte or a savvy developer filled with great ideas but not enough time to prototype them, App Studio can help you get started by building the core of your application using multiple page templates and data sources, such as RSS feeds, YouTube videos, Flickr photos, HTML content, custom collections and more. In this session, we'll build a live & working Windows Phone app on the fly, exploring the various options of App Studio. We'll then generate the source code and dive into Visual Studio to understand the various parts produced by App Studio and how to extend them. We'll discuss how to add custom features to the starter app, turning our prototype into a real-world app. Lastly, we'll go over what's involved to get the app published, how the submission process works, and where to take your app from there. If you still haven't published any mobile apps, it doesn't get any easier than with App Studio. Come learn how to get from "Idea" to "Publish" in just a few hours.

You will learn:

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

"I REALLY LIKED THE LOCATION, CONTENT, PRICE, FOOD, AND PRIZES!"

– Stacy Shaw, Triumph Group

CROSS-PLATFORM MOBILE DEVELOPMENT

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

- Using Xamarin tools to leverage your C# code on iOS and Android
- Creating mobile Web apps with ASP.NET MVC and jQuery Mobile
- Using Push Notification Services across mobile platforms

T02 Creating Data-Driven Mobile Web Apps with ASP.NET MVC and jQuery Mobile – Introductory

Tuesday, August 19

Rachel Appel
9:45 am – 11:00 am

If you are creating new apps, or need to update your existing apps, jQuery Mobile is the way to most easily develop solutions that meet the needs of the ever increasing audience of the mobile market. jQuery Mobile provides a lightweight, cross platform, framework, for developing mobile web sites and applications. In this session, you will learn what you need to get started writing data-driven mobile web applications in Visual Studio with ASP.NET MVC, as well as how to integrate jQuery Mobile into current ASP.NET applications.

You will learn:

- ASP.NET MVC refresher
- Mobile development strategies
- How to use jQuery Mobile in MVC

T12 Getting Started with Xamarin

– *Introductory*

Tuesday, August 19

Walt Ritscher

2:30 pm – 3:45 pm

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

You will learn:

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

T17 Building Multi-Platform Mobile Apps with Push Notifications

– *Intermediate / Advanced*

Tuesday, August 19

Nick Landry

4:15 pm – 5:30 pm

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

SESSION DESCRIPTIONS BY TRACK, CONTINUED

You will learn:

- About the common consumer and enterprise scenarios where mobile applications need to receive notifications and alerts from servers or cloud services
- Send push notifications from cloud applications in Windows Azure to mobile applications on various platforms
- How to build mobile apps for on Windows Phone, Windows 8 or iOS that can receive and handle push notifications

ASP.NET

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

- New Web development features in Visual Studio 2013
- ASP.NET MVC 5
- ASP.NET Web API 2
- OWIN and Katana: the new HTTP host model

T10 What’s New for Web Developers in Visual Studio this Year?

– Intermediate

Mads Kristensen

Tuesday, August 19

11:15 am – 12:30 pm

Visual Studio and Web Essentials introduces a series of new and exciting features for web developers. Join Mads as he takes you through a deep dive filled with demos, insights and background.

You will learn how to take full advantage of Visual Studio and the extensions that are available.

T15 Why Browser Link Changes Things, and How You Can Write Extensions – Intermediate / Advanced

Mads Kristensen

Tuesday, August 19

2:30 pm – 3:45 pm

Browser Link combines Visual Studio with any browser to create a common ecosystem. The implications of this are enormous and open up new and exciting possibilities. Mads will take an in-depth look at Browser Link and show how easy it is to create extensions for this new ecosystem.

You will learn about the possibilities of Browser Link and how to build extensions for it.

T20 Katana, OWIN, and Other Awesome Codenames: What’s Coming? – Intermediate

Howard Dierking

Tuesday, August 19

4:15 pm – 5:30 pm

In the age of cloud computing, applications must be able to be quickly composed and even more quickly evolved. Large, monolithic frameworks are not able to meet the demands of ever-growing needs for functional diversity and release agility. The OWIN specification and Microsoft’s set of OWIN components (the Katana Project) seek to provide a solution to this challenge by creating an ecosystem of small, pluggable components built around a lightweight server abstraction. In this session, we’ll review the fundamentals principles of OWIN and demonstrate building a modern Web application using the Katana components.

You will learn:

- The relationship between OWIN, the Katana project, and the broader ecosystem of OWIN components
- To use the Katana components to construct a modern Web application
- To construct custom OWIN middleware components

W05 Upgrading Your Existing ASP.NET Apps – Intermediate

Pranav Rastogi

Wednesday, August 20

9:15 am – 10:30 am

Have you even been stuck in a situation where you want to upgrade your ASP.NET applications to newest version? Have you tried opening old ASP.NET application in newer versions of Visual Studio? Have you tried to migrate your database forward to use a new membership system? Join me as I share my experiences in upgrading ASP.NET applications.

TH08 What’s New in MVC 5 – Intermediate

Miguel Castro

Thursday, August 21

9:30 am – 10:45 am

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



SESSION DESCRIPTIONS BY TRACK, CONTINUED

You will learn:

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

TH13 What's New in Web API 2 – Introductory / Intermediate **Miguel Castro** Thursday, August 21 11:00 am – 12:15 pm

Well if you thought you had new stuff to learn with MVC 5, you're not done learning if you're also a Web API developer. But as in the case with MVC, the new Web API 2 stuff includes welcome additions like External Authentication, Katana hosting, and the most-awesome Attribute Routing. And if you're into OData, there are also some new options to help shape your responses even further. Whether you think Web API is "Restful" or not, it's still totally cool and a must-know for any developer today, and part 2 makes it even better.

You will learn:

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

TH18 Finding and Consuming Public Data APIs – Introductory / Intermediate

G. Andrew Duthie

Thursday, August 21

2:15 pm – 3:30 pm

The computing world is rapidly growing, and one of the fastest areas of growth is in publicly-available APIs. These APIs can offer data, access to service functionality, and more, and many of them are available free of charge, including an increasing number of government data sources.

Leveraging publicly-available APIs can help you add value to your existing web properties, and/or quickly build apps with value to potential customers. In this session, you'll see steps for discovering and evaluating public APIs, and also learn how you can consume these APIs, both from a web application context, as well as from a Windows Store app using HTML and JavaScript.

You will learn:

- How to discover useful public APIs
- How to evaluate APIs
- How to build web sites and apps around public APIs

TH23 Provide Value to Customers and Enhance Site Stickiness by Creating an API – Introductory / Intermediate

G. Andrew Duthie

Thursday, August 21

3:45 pm – 5:00 pm

Whether you have an existing web property, or an idea for the next great cloud service, having an available API can be of great value. An API can enhance the value of your brand, by allowing third parties to build apps and widgets on top of your data and services, and can help drive additional traffic to your site or service, potentially enhancing its value to advertisers, or offering additional monetization options.

In this session, you'll learn a variety of options for creating public APIs using the Microsoft ASP.NET stack, including WCF Data Services, ASP.NET Web API, and Windows Azure Mobile Services, including the advantages and disadvantages of each approach, as well as how to

approach API design at a high level. You'll also learn about what these different options offer in terms of client access and cross-platform development.

You will learn:

- Why APIs are important to your web properties
- About designing useful APIs
- How to build APIs with a variety of different tools

JAVASCRIPT / HTML5 CLIENT

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

- HTML5, JavaScript, and CSS 3
- Single Page Applications (SPAs)
- Angular, Knockout, and TypeScript
- ASP.NET SignalR

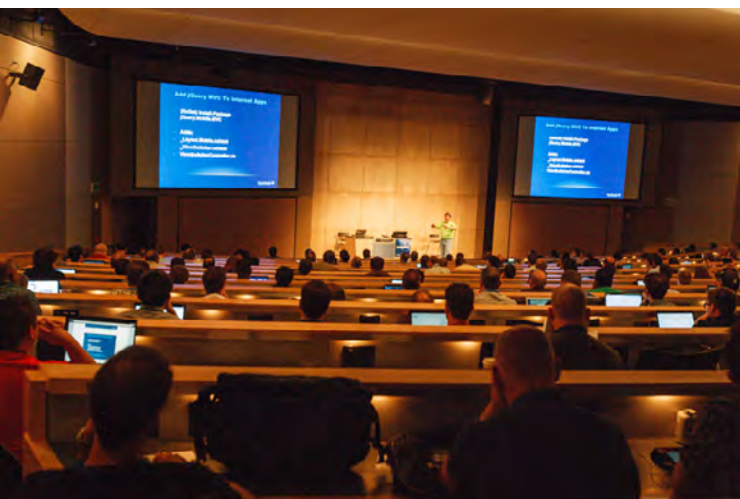
T03 HTML5 for Better Web Sites – Intermediate

Robert Boedigheimer

Tuesday, August 19

9:45 am – 11:00 am

The latest version of HTML is not completely standardized yet, but there are parts that are available in the latest version of browsers. There are many new elements; including those that provide more semantic meaning to common div elements (like header, footer, etc.). A new canvas can be used for drawing, while the audio and video provide new multimedia capabilities. New input types are utilized by devices to provide context sensitive keyboards and improved usability. The new application caching and web storage provide the capability for



SESSION DESCRIPTIONS BY TRACK, CONTINUED

disconnected web sites for smartphones and tablets. Learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

You will learn:

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

T08 Great User Experiences with CSS 3 – Intermediate

Robert Boedigheimer

Tuesday, August 19

11:15 am – 12:30 pm

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

You will learn:

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

T13 Building Real Time Applications with ASP.NET SignalR – Introductory / Intermediate

Rachel Appel

Tuesday, August 19

2:30 pm – 3:45 pm

Do you need to push around highly responsive, fast moving, real time data, that serves both web and app clients? If so, then ASP.NET's SignalR is for you! SignalR allows you to build supercharged and super connected systems faster and easier than ever before. In this session, you'll learn how to build real time connected systems

using the latest technologies from the Microsoft stack: ASP.NET MVC, SignalR, and open web technology.

You will learn:

- Strategies for developing real time apps
- How to use SignalR to develop real time apps
- Web technologies for high performance

T18 JavaScript for the C# Developer – Intermediate

Philip Japikse

Tuesday, August 19

4:15 pm – 5:30 pm

Yes, it has curly braces. Yes, it has semi colons. And you can write C# like code in JavaScript. But should you? JavaScript programming has many paradigms that make it very different that writing typical managed code. In this session, Phil shows you, the C# programmer, what you need to know to take your JavaScript to the next level.

You will learn:

- Core features in JavaScript
- Important differences between JavaScript and C#
- Key similarities in JavaScript and C#

W03 Build Data-Centric HTML5 Single Page Applications with Breeze

– Introductory / Intermediate

Brian Noyes

Wednesday, August 20

9:15 am – 10:30 am

BreezeJS is a Javascript library that lets you easily retrieve and update data via Web APIs or OData services. In this session you will learn how Breeze can help you with your data-bound HTML UIs to execute rich queries from the client, load and cache the retrieved data, work with it on the client side, validate changes, and save changes back to the server side. You will see how you can integrate Breeze with client separation patterns like MVVM and MVC and integrate with data binding libraries including Knockout and Angular.

You will learn:

- How to issue rich client queries that execute server side with Breeze
- How to leverage caching, change tracking, and

validation on the client side data model with Breeze

- How to persist changes to the back end via Breeze service calls

W08 Knocking it Out of the Park, with Knockout.JS – Intermediate

Miguel Castro

Wednesday, August 20

10:45 am – 12:00 pm

MVVM on the web... that works! If you don't know what Knockout.JS is, you really need to come see me show you the what's, how's, and why's. 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. So come see me and let's add another great tool to your web arsenal. You'll be on your way to doing single-page-applications on the web in no time.

You will learn:

- MVVM in the web world
- Knockout.JS in ASP.NET MVC
- How to Integrate Web API with Knockout.JS

W13 JavaScript: Turtles, All the Way Down – Introductory / Intermediate

Ted Neward

Wednesday, August 20

1:30 pm – 2:45 pm

With the prevalence of JavaScript as both a development language and as a "transpiling" target (where to "transpile" something is to compile it from one language into another), it has become possible to write a modern application - client, server and even code residing in the database itself - in nothing but JavaScript. In this session, that's exactly what we'll do: examine the tools, techniques, and tradeoffs of building an application in JavaScript, top to bottom.

You will learn:

- New tools for building applications
- A better understanding for when JavaScript-based approaches are appropriate and superior, and when they're not

SESSION DESCRIPTIONS BY TRACK, CONTINUED

W18 AngularJS JumpStart

– *Intermediate*

Brian Noyes

Wednesday, August 2

3:15 pm – 4:30 pm

In this 75 minute session, you will learn the fundamentals about what the AngularJS library can do for you when building Web applications and how to use some of the key features such as dependency injection, data binding, and navigation. To get the most out of this session, you should have basic knowledge of HTML, JavaScript, and CSS.

You will learn:

- The purpose and capabilities of AngularJS
- The basics of building an application with AngularJS
- How to use resources such as the Hot Towel library and SideWaffle to get you up and running quicker

SHAREPOINT

While SharePoint development is a specialty in and of itself, understanding the new SharePoint application development model is highly valuable for any .NET developer. Visual Studio Live! Redmond includes an overview session on this developer model, keeping our attendees in the know.

TH14 Building Mobile Applications with SharePoint 2013 – *Intermediate*

Darrin Bishop

Thursday, August 21

11:00 am – 12:15 pm

The new remote APIs in SharePoint 2013 finally provides the mobile developers with some good options to create true mobile device applications. As more and more of the business world becomes mobile workers, the opportunity to create SharePoint mobile applications is dramatically increasing. These mobile applications tend to support specific needs of a group and allow users to accomplish their tasks quicker than using a mobile-aware SharePoint page.

This session goes beyond creating mobile-ready designs in SharePoint 2013 and focuses on integrating mobile devices with SharePoint 2013 both on-prem and in the cloud. The

session will look specifically at how to create a mobile SharePoint application using Windows Phone and Android. Time permitting we will discuss how IOS and WinRT can be used as a platform for mobile SharePoint applications.

You will learn:

- About the required development environments for mobile SharePoint application development
- To create SharePoint mobile applications using the Windows Phone and Android platform
- Review various connection options to access SharePoint from a mobile device.
- How SharePoint mobile applications differ between in the cloud and on-prem.

TH19 Building Apps for SharePoint

– *Introductory / Intermediate*

Mark Michaelis

Thursday, August 21

2:15 pm – 3:30 pm

SharePoint 2013 development leverages the JavaScript, HTML5, and CSS platform to provide a new extensibility model that is entirely hosted outside of SharePoint itself. The SharePoint 2013 architecture allows the on premise or Office 365 instance of SharePoint portal to seamlessly present content both in the cloud or on premise - enabling the portal to pull content from both simultaneously without replication.

You will learn:

- About the entirely new development platform that is available with SharePoint 2013 and how to leverage it for all new SharePoint development going forward
- About the different architecture decisions that go into building an App for SharePoint

"THE ORGANIZATION, CLARITY, LOGISTICS AND GUIDANCE WAS EXCELLENT AND FACILITATED PRODUCTIVE NETWORKING AND TECHNICAL SKILLS DISTRIBUTION AND LEARNING."

– Scott Hanson, Claimremedi

TH24 Data as Information: Understanding Your SharePoint 2013 Business Intelligence Options

– *Introductory / Intermediate*

Darrin Bishop

Thursday, August 21

3:45 pm – 5:00 pm

Thanks to Microsoft SharePoint, Business Intelligence is now cost effective option for organizations of any size. All organizations can benefit from transforming raw data into actionable information. This session will provide an overview of the many BI features and services provided by SharePoint 2013. In this session we will look at Reporting Services, PerformancePoint Services, Excel Services and Visio Services. We will also look at Power View and how can be used in SharePoint 2013. This session also cover how these services fit into the Business Intelligence Symantec Model.

You will learn:

- Overview of the major Business Intelligence features in SharePoint 2013
- Understanding of the Business Intelligence Symantec Model
- Governance supporting Business Intelligence



SESSION DESCRIPTIONS BY TRACK, CONTINUED

SQL SERVER

With the ink still drying on SQL Server 2012, and SQL Server 2014 on the way, no Microsoft-focused developer conference would be complete without coverage of Microsoft's venerable database platform. Visual Studio Live! meets this need handsomely, with coverage of:

- T-SQL enhancements in SQL Server 2012
- SQL Server 2014 features
- Power BI and HDInsight/Big Data
- NoSQL

W02 Learning Entity Framework 6 – Intermediate

Leonard Lobel

Wednesday, August 20

9:15 am – 10:30 am

Microsoft has clearly positioned the Entity Framework 6 (EF) as the primary data access platform for .NET applications. But many developers have yet to embrace the powerful Object Relational Mapping (ORM) capabilities that EF offers. Whether you're new to ORM, or you've

dabbled in other ORM technologies, Lenni will show how quickly you can start working with EF6 and boost your productivity when building data-centric .NET applications.

We'll begin with a quick introduction to ORM and EF, and then explain many of the special ORM features in EF6, such as the Entity Data Model (EDM), and support for table splitting, inheritance, entity splitting, and many-to-many relationships. With the basics covered, Lenni will then dive right into live demos that show what EF can do for you as a data access layer, using database-first, model-first, and code-first approaches. We'll also discuss new features introduced in EF6, and wrap up with a demo of WCF Data Services, which exposes your entities as REST services over the web with virtually no effort.

You will learn:

- Understand the purpose and benefits of ORM
- Learn about the Entity Data Model (EDM)
- Leverage WCF Data Services over your EDM

W07 Programming the T-SQL Enhancements in SQL Server 2012

– Intermediate

Leonard Lobel

Wednesday, August 20

10:45 am – 12:00 pm

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

You will learn:

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

W12 SQL Server 2014: Features Drill-down – Intermediate

Scott Klein

Wednesday, August 20

1:30 pm – 2:45 pm

Microsoft SQL Server 2014 builds on the mission-critical capabilities delivered in the prior release by providing breakthrough performance, increased availability and manageability for mission critical applications. With new in-memory capabilities, enhanced in-memory data warehousing and BI features [updateable column store], SQL Server 2014 provides the most comprehensive in-memory database solution in the market. You will also learn about new capabilities in management and deployment to Windows Azure, enabling new Hybrid IT and HA/DR scenarios. Join this session for a deep dive into the features and learn how to implement these capabilities.

You will learn:

- The new key SQL Server 2014 features
- New PowerBI and Hybrid features and scenarios
- How you can be a better DBA with SQL Server 2014

W17 SQL Server 2014 In-memory OLTP – Deep Dive – Intermediate / Advanced

Scott Klein

Wednesday, August 20

3:15 pm – 4:30 pm

SQL Server's new In-Memory OLTP technology (codenamed 'Hekaton') promises to be one of the most exciting new features to be released when SQL Server 2014 ships. As a DBA you will have a number of questions surrounds its internals, how it should be administered and how it will impact your high-availability design. In this demo-filled session we will discuss Hekaton from a DBA perspective. We will look at Hekaton's architecture and internals, capacity planning considerations, administration considerations and how it impacts your high-availability design. He will also present some use cases and examples of where Hekaton can be used.

You will learn:

- The architecture of memory optimization
- How in-memory is integrated into SQL Server



SESSION DESCRIPTIONS BY TRACK, CONTINUED

- The inside-look on how to use in-memory OLTP
- How to work with the new lock-free transaction semantics
- Manageability and supportability of in-memory OLTP

TH02 AWS for the SQL Server Professional – Introductory / Intermediate **Lynn Langit**

Thursday, August 21

8:00 am – 9:15 am

Learn about AWS services that support data projects - topics covered will be hosting SQL Server on EC2 vs. RDS, understanding other data services from Glacier/S3, DynamoDB, Redshift and MapReduce. Also included will be information about logging via Cloud Trail and automation via Data Pipelines. Information about pricing will also be included.

You will learn:

- Understand relational AWS data services, particularly for SQL Server
- Understand NoSQL AWS data services - from archiving with Glacier to hosting a Data Warehouse with Redshift
- To use the best service for the business problem to be solved

TH07 Real-world Predictive Analytics with PowerBI and Predixion Software – Introductory / Intermediate **Lynn Langit**

Thursday, August 21

9:30 am – 10:45 am

You will learn how the Excel-add in Predixion works with the PowerBI stack to provide powerful machine-learning tools for analysts. The PowerBI data gateway (Eldorado) will also be demonstrated in this end-to-end scenario for getting meaning from a mashup of various types of data.

You will learn:

- See an end-to-end scenario of behavioral data transformed into usable business insights via Power BI and Predixion Software

- Understand how queries can be shaped, shared, and re-used via the PowerBI gateway in Office 365
- Work with machine learning (data mining) algorithms via the Predixion add-in to transform external data which is combined with LOB data (stored in SQL Server)

TH12 Excel, Power BI and You: An Analytics Superhub – Intermediate **Andrew Brust**

Thursday, August 21

11:00 am – 12:15 pm

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

You will learn:

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

TH17 Big Data 101 with HDInsight – Intermediate **Andrew Brust**

Thursday, August 21

2:15 pm – 3:30 pm

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

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

You will learn:

- What Big Data really is, in a beyond-the-hype context
- About Microsoft HDInsight, its .NET SDK for Hadoop, and LINQ Provider for Apache Hive
- How Microsoft's newest BI technologies work
- Understand how SQL Server Parallel Data Warehouse's PolyBase technology integrates with Hadoop and SQL Server

TH22 NoSQL for the SQL Guy – Introductory / Intermediate **Ted Neward**

Thursday, August 21

3:45 pm – 5:00 pm

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

CONFERENCE ADVISORY BOARD

Andrew Brust

Founder and CEO, Blue Badge Insights
Visual Studio Live! Conference Co-Chair



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.

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.

Rockford Lhotka

CTO, Magenic
Visual Studio Live! Conference Co-Chair



Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world. Rockford is a Microsoft Regional Director and MVP. Magenic (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.

Lafe Low

Editor, Visual Studio Live!



Lafe Low has been a technology editor and writer for more than 25 years. Most recently, he was the editor in chief of TechNet magazine. He has also held various editorial positions with Redmond magazine, CIO magazine and InfoWorld. He also launched his own magazine entitled Explore New England, and has published four editions of his guidebook The Best in Tent Camping: New England.

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.

**"MICROSOFT CAMPUS IS BEAUTIFUL
AND THE CONFERENCE ROOMS ARE
WELL SUITED TO THE TRAINING."**

– Louis McCoy, Merchants Automotive

CONFERENCE SPEAKERS

Rachel Appel *Appel Consulting*



Rachel is a consultant, author, mentor, and former Microsoft employee with over 20 years in the IT industry who speaks at top industry conferences such as Visual Studio Live!, Live! 360, and MIX. During her career, Rachel has worked on projects of all sizes from the smallest of apps to the largest enterprise systems at some of the world's leading companies. Rachel's expertise lies within developing solutions that align business and technology, focusing on In frameworks, languages, databases, software practices, and more.

Darrin Bishop *Director, Aptillon, Inc*



Darrin is a founder, director, and the Vice President at Aptillon, Inc. He is a former 8 time Microsoft SharePoint MVP and has been involved in SharePoint since 2001 when the product code-named Tahoe was released as SharePoint Portal Server 2001. Darrin has a diverse background in SharePoint and has covered the product lifecycle from envisioning, design, installation, development, customizations and even administering farms. Darrin has been focusing on custom SharePoint development, line of business application integration, mobile devices and SharePoint, ECM and Business Intelligence. You can commonly find Darrin speaking at user groups and conference. You can read Darrin's blog posts on the Aptillon (www.aptillon.com) blog.

"THE DEPTH OF KNOWLEDGE BROUGHT BY THE SPEAKERS IS PHENOMENAL!"

– Adam Curtis, PC Construction

Robert Boedigheimer *Principal Systems Developer, Schwans Shared Services, LLC*



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

Eric D. Boyd *Founder and CEO, responsiveX*



Eric D. Boyd is the Founder and CEO of responsiveX, a Windows Azure MVP, and a regular speaker at national conferences, regional code camps and local user groups. He is so passionate about apps and cloud services that he founded responsiveX (www.responsiveX.com), a management and technology consultancy that helps customers create great web, mobile and client experiences, and these apps are often powered by cloud services. Eric launched his technology career almost two decades ago with a web development startup and has served in multiple roles since including developer, consultant, technology executive and business owner. You can find Eric blogging at <http://www.EricDBoyd.com> and on Twitter at <http://twitter.com/EricDBoyd>.

Miguel Castro *Principal Consultant, Melvicorp LLC*



Whether playing on the local Radio Shack's TRS-80 or designing systems for clients around the globe, Miguel has been writing software since he was 12 years old. He insists on staying heavily involved and up-to-date on all aspects of software application design & development, and projects that diversity onto the type of training and consulting he provides to his customers and believes that it's never just about understand the technologies, but how technologies work together. In fact, it is on this concept that Miguel based two of his Pluralsight courses, Building End-to-End Multi-Client Service Oriented Applications, which was #1 for several weeks, and Developing Extensible Software. Miguel is a Microsoft MVP since 2005 and when he's not consulting or training, Miguel speaks at conferences around the world, practices combining on-stage tech and comedy, and never misses a Formula 1 race. But best of all, he's the proud father of a very tech-savvy 10 year old girl, and a proud husband to the woman that homeschools her.

Ben Dewey *Mobile Practice Lead, Windows Division, Tallan Inc.*



Ben Dewey is a Microsoft MVP, INETA Community Speaker, and published author with over 16 years of experience writing applications and continually striving to create SOLID applications of the highest craftsmanship while paying special attention to clean User Experiences (UX). Ben is currently leading the Windows Division of the Mobile Practice at Tallan, Inc. and consults regularly in New York City on Web, XAML, and Cloud based technologies. He has also worked to deploy numerous high-quality, engaging apps to the Windows Store. When he's not consulting, Ben is busy training, mentoring, blogging and speaking at various conferences and community events around the country. He also recently authored the book "A Guide to Windows 8 Apps", published by O'Reilly. Outside of work, Ben spends most of his time playing with his three young kids, working around the house, or, if it's windy, kitesurfing. You can find Ben online on Twitter, StackOverflow, or on his blog at <http://bendewey.com/blog>

CONFERENCE SPEAKERS, CONTINUED

Howard Dierking

Program Manager, Web Platform and Tools, Microsoft



Howard Dierking is a program manager on the Windows Azure Frameworks and Tools team where his focus is on ASP.NET, NuGet and Web APIs. Previously, he served as the editor in chief of MSDN Magazine, and also ran the developer certification program for Microsoft Learning. He spent 10 years prior to Microsoft as a developer and application architect with a focus on distributed systems.

G. Andrew Duthie

Founder and Chief Consultant, Devhammer Enterprises



G. Andrew Duthie, aka devhammer, is the founder and chief consultant for Devhammer Enterprises. Andrew is a software developer, trainer, writer, and consultant with more than 15 years of industry experience, including nearly 10 years as a Technical Evangelist for Microsoft's Mid-Atlantic States district, where he provided support and education for developers working with the Microsoft development platform. In addition to his work with Microsoft, Andrew is the author of several books on ASP.NET and web development, and has spoken at numerous industry conferences from Visual Studio Live! to Microsoft's Professional Developer Conference (PDC) and Tech-Ed. Andrew is also the creator and developer of Community Megaphone, a site designed for promoting and finding developer community events. In addition to his work in software development, Andrew has enjoyed some recent forays into the world of hardware experimentation, including developing for Kinect and .NET Gadgeteer, using his newly-formed hardware chops to do everything from blinking LEDs and making strange noises, to flying a helicopter with his bare hands. Andrew can be reached through his blog at <http://devhammer.net/>. You can also follow Andrew on twitter.

Rick Garibay

General Manager Connected Systems, Neudesic



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

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

Microsoft MVP, MCSD, CSM, and CSP



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 30 years, and heavily involved in the agile community since 2005. Phil serves as the Lead Director for the Cincinnati .Net User's Group and the Cincinnati Software Architect Group, co-hosts the Hallway Conversations podcast (www.hallwayconversations.com), founded the Cincinnati Day of Agile, and volunteers for the National Ski Patrol. Phil is a frequent speaker all over the world, from User Groups and Meet ups to large scale conferences. You can follow Phil on twitter via www.twitter.com/skimedic and read his blog at www.skimedic.com/blog.

Scott Klein

Windows Azure Technical Evangelist, Microsoft



Scott Klein is a Windows Azure Technical Evangelist for Microsoft, focusing on Windows Azure data services, including Windows Azure SQL Database, Windows Azure Storage, and SQL Server in a VM. Scott has been working with SQL Server for over 20 years. Prior to Microsoft Scott was one of the first 4 SQL Azure MVPs. Scott is the author of over 1/2 dozen books, including Pro SQL Database for Windows Azure by APRESS. He can also be found speaking at conferences and events around the world, such as TechEd, TechDays, SQL Server Live!, SQL PASS, and SQL Saturdays.

Mads Kristensen

Program Manager, Web Platforms & Tools Team, Microsoft



Mads Kristensen is a Program Manager on the Web Platforms & Tools team at Microsoft working on the web developer experiences of Visual Studio. He has over a decade of experience in developing web applications on the Microsoft platform which got him the honor of becoming both an ASP.NET MVP and ASPInsider. When he founded the BlogEngine.NET open source project,

CONFERENCE SPEAKERS, CONTINUED

he didn't realize that it would grow to be the most popular blog application on the ASP.NET platform, used by 200,000 people worldwide. Mads is passionate about web standards and The Semantic Web and have given multiple talks at .NET user groups as well as conferences about this and other web related subjects. He blogs mainly about ASP.NET and regularly appears in interviews and podcasts about web technologies

Nick Landry

Senior Technical Evangelist, Microsoft



Nick Landry (@ActiveNick) is a mobility pioneer specializing in the design and production of mobile applications for consumers and the enterprise using diverse cross-platform technologies including Windows Phone, Windows 8, iOS, Android, Mobile Web, Xamarin and PhoneGap. Nick works at Microsoft as a Senior Technical Evangelist in the New York Metro area and engages with developers, students and IT pros to help them learn, adopt and use the Microsoft developer platform to design and build the next generation of apps for Windows Phone, Windows 8 and Windows Azure. Nick is also a Nokia Developer Ambassador whose mandate is to educate and support Windows Phone developers to maximize their success.

Prior to joining Microsoft, Nick spent almost two years as a Senior Product Manager for mobile, data visualization and geospatial developer tools across multiple technologies and platforms. He previously spent most 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 VSLive, CodePalousa, Prairie DevCon, HDC, DevTeach, Xamarin Evolve, DevConnections, TechEd, and others. Nick was a 10-year Microsoft MVP awarded on Windows Phone Development, and is a Nokia Developer Champion. With over 20 years of professional experience, Nick is a developer and software architect by trade and specializes in Cross-Platform Mobility, Location Intelligence & Geospatial development, Data Visualization, Cloud Computing and Mobile Game Development. He authored

multiple technical magazine articles, white papers, and mobility courses, has been a technical editor for IT books, and holds several professional certifications.

Blog: www.AgeofMobility.com – LinkedIn: www.linkedin.com/in/activenick

Lynn Langit

Data Wrangler



Lynn is linguist who has been working with data for 10 years. She's published 3 books on SQL Server Business Intelligence and has most recently worked with the SQL Azure team at Microsoft.

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.

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.

Mark Michaelis

Chief Software Architect, IntelliText



Mark Michaelis (<http://IntelliText.com/Mark>) is the founder of IntelliText and serves as the Chief Technical Architect and Trainer. Since 1996, he has been a Microsoft MVP for C#, Visual Studio Team System, and the Windows SDK and in 2007 he was recognized as a Microsoft Regional Director. He also serves on several Microsoft software design review teams, including C#, the Connected Systems Division, and VSTS. Mark speaks at developer conferences and has written numerous articles and books - Essential C# 5.0 is his most recent. Mark holds a Bachelor of Arts in Philosophy from the University of Illinois and a Masters in Computer Science from the Illinois Institute of Technology. When not bonding with his computer, Mark is busy with his family or training for another triathlon (having completed the Ironman in 2008). Mark lives in Spokane, Washington, with his wife Elisabeth and three children, Benjamin, Hanna and Abigail.

Ted Neward

CTO, iTrellis



Ted Neward is a programming language, virtual machine, and enterprise-scale architect. He is the CTO of iTrellis, a company focused on helping companies ease IT pain into IT growth, and he has written a dozen books and hundreds of articles on .NET, Java, enterprise systems, mobile development, and programming languages. He resides in the Pacific Northwest, and can be found on the Internet at www.tedneward.com, www.itrellis.com, @tedneward on Twitter, and blogs at blogs.tedneward.com.

CONFERENCE SPEAKERS, CONTINUED

Brian Noyes *CTO, 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 Deployment with ClickOnce. He publishes articles frequently in a variety of publications and speaks at conferences worldwide including Microsoft TechEd, Visual Studio Live!, 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.

Brian Peek *Senior Technical Evangelist, Microsoft*



Brian Peek is a Senior 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 www.brianpeek.com.

Brian Randell *Partner, MCW Technologies*



Brian A. Randell is a Partner with MCW Technologies LLC. For more than 20 years he has been building software solutions. He educates teams on Microsoft technologies via writing and training—both in-person and on demand. He's also a consultant for companies small and large, worldwide, including Fortune 100 companies like Microsoft. Brian is a passionate software craftsman who still enjoys coding as he helps teams to improve their processes from idea to shipping to production management and monitoring. In addition, he's become obsessed over the last few years with natural user interfaces and how to create compelling user experiences regardless of platform. In early 2010, he toured the world prepping Microsoft employees and Microsoft partners for the Microsoft Visual Studio 2010 launch. In 2012, he and his team built some of the first training content and demos for Microsoft using Visual Studio 2012, Team Foundation Server 2012, and Windows 8. For the 2013 release, he continued building new ALM content for use worldwide by Microsoft. He's currently a Visual Studio ALM MVP and co-author of "Professional Application Lifecycle Management with Visual Studio 2013" from Wrox Publishing. When not working, Brian enjoys spending time with his wife and two children who enjoy making him look bad on the Xbox One (with and without Kinect).

Pranav Rastogi *ASP.NET Product Team, Microsoft*



Pranav Rastogi is a member of Microsoft ASP.NET product team, and is based in Seattle. Over the past years, Pranav has worked on a variety of areas such as ASP.NET Web Forms, Dynamic Data and more recently ASP.NET SignalR. He is passionate about understanding web developer woes with the Microsoft stack, and helps champion tools, packages or libraries that will enhance the web development experience on the Microsoft stack. Pranav is also a regular speaker on a variety of ASP.NET related topics at various worldwide conferences. Before joining Microsoft, Pranav graduated from University Of Florida with a Masters in Computer Science.

Pranav is also a food junkie who sometimes works as a Chef de cuisine at home. He is an adventure seeker and can be

often found backpacking in the wilderness. In his spare time though Pranav, regularly practices his bartending skills on his friends. If you know anyone who is looking to throw a party and needs a bartender then get in touch with him.

Walt Ritscher *Founder, Scandia Enterprises*



Walt's enthusiasm for crafting software interfaces blossomed early. Just a few days after discovering how to make pixels move around the screen of a borrowed computer he was devouring books on the topic of computer graphics and UI design. Now he travels the world speaking at software conferences and teaching a diverse portfolio of programming topics for corporate clients. On the consulting side he continues to work with customers like Microsoft, HP, Intel, and Intuit and enjoys being part of the Wintellect consultant group. Recently he has entered the video training market producing .NET titles for Lynda.com. He writes for several publications including Code Magazine and TechTarget.com and has a new "HLSL and Pixel Shaders for XAML Developer" book available from O'Reilly Media. His current UI obsession revolves around the Windows 8 Metro, Silverlight, Surface and WPF APIs. You can find his blog at blog.xamlwonderland.com. Walt is also a Microsoft MVP and author of the free Shazzam WPF Shader utility (shazzam-tool.com).

Adam Tuliper *Technical Evangelist, Microsoft*



Adam works as a Technical Evangelist for Microsoft. Prior to that he worked as a software architect in defense, finance, pharma, manufacturing, technology, and public sector fields over a span of 18+ years. He started his work in security and reverse engineering (x86 based - pre .NET) with the direction of going into the software protection and anti-piracy field. Adam has performed security audits and penetration tests for large corporations and small companies alike as well. He has been deeply involved in .NET internals since early beta and currently works extensively developing solutions with Unity (game development), C#, Windows Store Apps, Windows Phone, HTML/JS, Azure, ASP. Net, SQL Server, MVC, and various open source technologies. He presents nationwide at conferences and user groups and is a pluralsight.com author and an MSDN Magazine author.

VISUAL STUDIO LIVE! REDMOND SPONSORS & EXHIBITORS

Visual Studio Live! would like to recognize and thank our sponsors and partners.

EVENT PARTNER:

Microsoft

Microsoft

Founded in 1975, Microsoft (Nasdaq "MSFT") is the worldwide leader in software, services and Internet technologies for personal and business computing. Microsoft offers a wide range of innovative products and services designed to help individuals and organizations realize their full potential. www.microsoft.com

PLATINUM SPONSOR:



Esri®

Esri® develops geographic information systems (GIS) solutions that function as an integral component in nearly every type of organization.

On any given day, over a million people globally use Esri's GIS to improve their business. Esri software is used by over 350,000 organizations worldwide including most U.S. federal and national mapping agencies, 45 of the top 50 petroleum companies, all 50 U.S. state health departments, over 24,000 state and local governments, and many others. esri.com

ANCILLARY SPONSOR:



Software Testing

LogiGear

LogiGear is the developer of TestArchitect for Visual Studio – a keyword-driven test automation plug-in for Visual Studio. TestArchitect for Visual Studio allows automated tests to be created faster, reducing testing cost and time to market. This module-based, keyword-driven authoring extension for Visual Studio enables teams to quickly create, maintain, and execute large-scale coded UI test automation. For more information, please visit www.testarchitect.com.

EXHIBITOR:



New Relic

New Relic is a software analytics company that makes sense of billions of metrics about millions of applications in real time. Our comprehensive SaaS-based solution provides one powerful interface for web and native mobile applications and consolidates the performance monitoring data for any chosen technology in your environment. Our 70,000 active accounts use our cloud solution every day to optimize more than 200 billion metrics for 3 million applications. When your brand and customer experience depend on the performance of modern software, New Relic provides insight into your overall environment. Learn more at newrelic.com.

PROMO SPONSOR:



Think fast.

Riverbed®

Riverbed® is the leader in Application Performance Infrastructure, delivering the most complete platform for Location-Independent Computing.™ www.riverbed.com



"I ENJOYED THE OPPORTUNITIES TO ASK QUESTIONS OF THE SPEAKERS AND EXHIBITORS. IT WAS ALSO NICE TO MEET OTHER DEVELOPERS FROM ALL OVER THE WORLD. I REALLY LIKED HAVING A MOBILE APP TO KEEP ME ON TRACK WITH THE SESSIONS I PLANNED TO ATTEND."

– Aaron Wergeland, *Inspireity*

VISUAL STUDIO LIVE! REDMOND SPONSORS & EXHIBITORS, CONTINUED

Visual Studio Live! would like to recognize and thank our sponsors and partners.

PREMIER MEDIA PARTNERS:



CodeProject ::Workspaces

Host your projects and manage your daily TODOs on CodeProject ::Workspaces. ::Workspaces is the backend for CodeProject articles and is now available for use in your own projects. Unlimited Git Repositories and Task lists available anywhere, anytime. Keep your code, your articles and your projects all in one place. No limits. It's all free. Try it today!

<https://workspaces.codeproject.com/>

CodeProject ::Workspaces is the official Visual Studio Live! Redmond 2014 Internet Café & Power Station Sponsor.



WinPhanKyle – Kyle Reddoch

Covering Microsoft Technologies and Developer News with personal narrative from Kyle Reddoch.
www.winphankyle.com

ALLIANCE MEDIA PARTNER:



The Windows Developer User Group

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!

Additional information here:
<http://thewindowsdeveloperusergroup.com/> or follow us on twitter: @windowsdevug.

MEDIA PARTNERS:

UserGroup.TV

Watch technical User Group presentations online for FREE <http://usergroup.tv>

Allen Conway

Allen Conway's Blog provides an array of information around Microsoft .NET and surrounding technologies associated with the Microsoft stack as well as editorials and experiences in the career of being a software engineer. The goal is an extraction of some of his thoughts and ideas in order to give back to others in the community.

<http://allen-conway-dotnet.blogspot.com/>

Haishi Bai

Join over half a million (and growing!) viewers to read about new developments in Windows Azure, innovative scenarios in the cloud, system architecture as well as detailed walkthroughs on various Windows Azure topics from Haishi, a Windows Azure Technical Evangelist from Microsoft headquarter. <http://haishibai.blogspot.com/>

Boogar Lists

With a qualified directory of more than 2,000 Venture Capital and Mid-Market/LBO private equity firms, BoogarLists is an excellent place for entrepreneurs to begin their search for investment capital. Whether starting a new company or striving to take an early stage company to the next level, CEO's and CFO's will invariably want to seek out new sources of capital or other financial services. BoogarLists provides an extensive directory of financial, operations and marketing services, as well as a comprehensive directory

of conferences and associations, across the technology, media and communications industries. <https://www.boogar.com/>

Canada's Technology Triangle

.NET User Group

Canada's Technology Triangle .NET User Group is a community group for .NET developers in the Kitchener/Waterloo and surrounding area that provides networking opportunities for local IT professionals all while learning about the latest .NET technologies. Founded in August 2002, Canada's Technology Triangle .NET User Group continues to run today thanks to ongoing support from our sponsors, and a great team of dedicated volunteers.

<http://www.cttdnug.org/>

Chicago Visual Studio ALM User Group

Chicago Visual Studio ALM User Group, where the Chicagoland ALM community comes to collaborate and learn -

<http://chicagotalmug.org/>

London .NET Developers User Group

We will meet regularly to explore the use of .NET for building mobile to web applications or just for fun of coding. Our goal is to create a great social group in the London and surrounding area where everyone can come share and learn from each other. We will be learning and coding with a focus on web and multi-platform mobile development, including MonoTouch, Mono for Android, Windows Phone, Windows 8 and ASP.NET. <http://www.meetup.com/London-NET-Developers-Group/>

VENUE & TRAVEL

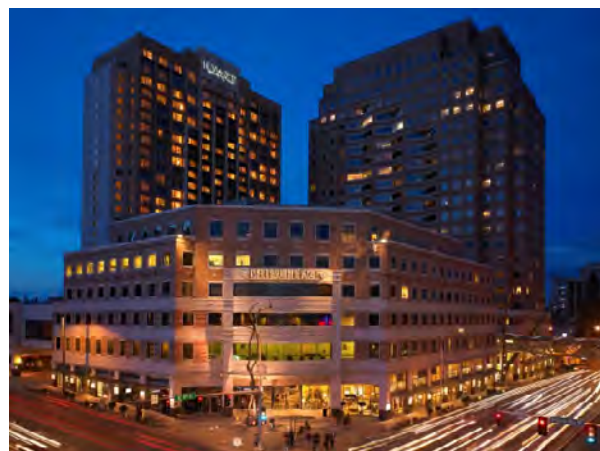
Get Inside the Technological Mecca: Microsoft Headquarters!

Visual Studio Live! returns to the Microsoft Campus in Redmond, Washington in 2014 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 \$212.00 per night, plus tax, for single or double occupancy. This discounted rate is available through July 25, 2014. 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: \$212.00*

Book by: July 25, 2014

Make your hotel reservation online or call 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 \$212/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 \$212.00 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.

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.

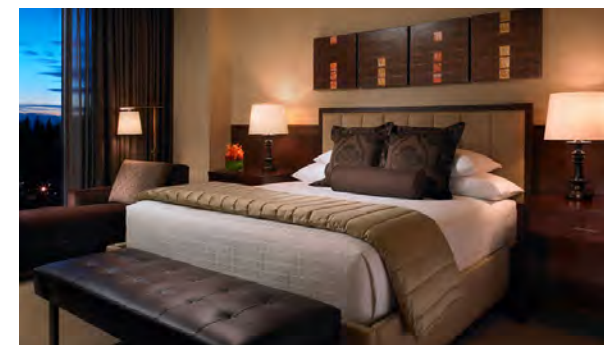
Parking at the Hyatt Regency Bellevue

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.

United Airlines is offering a 5% discount to Visual Studio Live! Redmond attendees for travel to Seattle-Tacoma International Airport between 8/15/2014 to 8/25/2014. To book your discounted ticket online go to www.united.com and enter your Offer Code **ZR85734069** in the Offer Code box when searching for your flights.

Avis Rent-a-Car is offering a discount on car rental for Visual Studio Live! Redmond attendees. To receive the discounted rates, call Avis at 800.331.1600 and use the Avis Worldwide Discount (AWD) number D005872, or [click here](#) to make your reservation online.



REGISTRATION PACKAGES

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

Register now at
vslive.com/redmond

Signing up 3 or more? Group Discounts are available!

Turn to page 35 for pricing details.

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

Turn to page 36 for pricing details.

The Visual Studio Live! Best Value Package is your five day all-access pass to every keynote, session, workshop and event **August 18-22, 2014**.

VISUAL STUDIO LIVE! BEST VALUE PACKAGE (5 DAY)

SUPER Early Bird
(by June 11, 2014)
\$1,895
Save \$400

Early Bird
(by July 16, 2014)
\$1,995
Save \$300

Standard
(after July 16, 2014)
\$2,295

PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Post-conference workshops • Receptions • Networking Events • Lunch (August 18-22) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

The Visual Studio Live! Complete Conference + Hotel Package includes the five day all-access pass (**August 18-22, 2014**) PLUS five nights at Hyatt Regency Bellevue, Bellevue, WA.

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

SUPER Early Bird
(by June 11, 2014)
\$3,195
Save \$400

Early Bird
(by July 16, 2014)
\$3,295
Save \$300

Standard
(after July 16, 2014)
\$3,595

PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Sunday night (August 17) through Thursday night (August 21), departing Friday (August 22)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

The Visual Studio Live! Conference Package grants you access to all sessions and activities **August 19-21, 2014**.

VISUAL STUDIO LIVE! CONFERENCE PACKAGE (3 DAY)

SUPER Early Bird
(by June 11, 2014)
\$1,395
Save \$400

Early Bird
(by July 16, 2014)
\$1,495
Save \$300

Standard
(after July 16, 2014)
\$1,795

PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • Reception • Lunch (August 19-21) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

REGISTRATION PACKAGES, CONTINUED

The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on either **Monday, August 18 OR Friday, August 22, 2014.**

ONE-DAY WORKSHOP PASS **\$495**

PASS INCLUDES:

- Pre-Conference Workshop – Monday, August 18, 2014; OR Post-Conference Workshop – Friday, August 22, 2014

The Visual Studio Live! Three Day Conference + Hotel Package includes the three day pass (**August 19-21, 2014**) PLUS four nights at Hyatt Regency Bellevue, Bellevue, WA.

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

SUPER Early Bird
(by June 11, 2014)
\$2,445
Save \$400

Early Bird
(by July 16, 2014)
\$2,545
Save \$300

Standard
(after July 16, 2014)
\$2,845

PACKAGE INCLUDES:

- 3-day Conference Pass
- 4 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Monday night (August 18) through Thursday night (August 21), departing Friday (August 22)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

GROUP DISCOUNTS

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

For question or to register your group, please call 541.346.3537

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

Group Rate
\$1,595
Save \$700 off the Standard Rate

PACKAGE INCLUDES:

- All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Post-conference workshops • Receptions • Networking Events • Lunch (August 18-22) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

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

Group Rate + Hotel
\$2,895
Save \$700 off the Standard Rate

PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Sunday night (August 17) through Thursday night (August 21) departing Friday (August 22)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

REGISTRATION PACKAGES, CONTINUED

ALUMNI DISCOUNTS

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

The Visual Studio Live! Alumni Best Value Package is your five day all-access pass to every keynote, session, workshop and event **August 18-22, 2014**.

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

SUPER Early Bird
(by June 11, 2014)

\$1,595

Alumni Save \$700

Early Bird
(by July 16, 2014)

\$1,695

Alumni Save \$600

Standard
(after July 16, 2014)

\$1,795

Alumni Save \$500

PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Post-conference workshops • Receptions • Networking Events • Lunch (August 18-22) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

The Visual Studio Live! Alumni Complete Conference + Hotel Package includes the five day all-access pass (**August 18-22, 2014**) PLUS five nights at Hyatt Regency Bellevue, Bellevue, WA.

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

SUPER Early Bird
(by June 11, 2014)

\$2,895

Alumni Save \$700

Early Bird
(by July 16, 2014)

\$2,995

Alumni Save \$600

Standard
(after July 16, 2014)

\$3,095

Alumni Save \$500

PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at the Hyatt Regency Bellevue (Room and tax only) - only available Sunday night (August 17) through Thursday night (August 21) departing Friday (August 22)
- Complimentary shuttle to the conference venue from the Hyatt Regency Bellevue

"LOTS OF INTERESTING SOLUTIONS THAT WERE RELATIVE TO THE TIMES, PLUS THE WORKING DEMOS THAT SHOWED NON-TRIVIAL PRODUCTION TYPE CODE WERE GREAT!"

– Novy Dhillon, Electronic Arts (Canada)