

Visual Studio[®] LIVE!

EXPERT SOLUTIONS FOR .NET DEVELOPERS

December 10-14, 2012

Royal Pacific Resort, Orlando, FL

vslive.com/orlando

IT EVENTS WITH PERSPECTIVE



YOUR MAP TO THE .NET DEVELOPMENT PLATFORM

TRACK TOPICS:

- Mobile
- Visual Studio / .NET
- Web / HTML5
- Windows 8 / WinRT
- WPF / Silverlight



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WHO SHOULD ATTEND VISUAL STUDIO LIVE!

**Application Development
Managers**

ASP.NET Programmers

**Corporate/Business
Management**

Development Team Managers

**Directors of Software
Development**

Enterprise Architects

Executive IT Management

**Operations Managers
Programmers**

Project Leaders

Senior Architects

Software Architects / Designers

Software Developers

**Software Engineering
Supervisors**

Software Teams

Sr. Programmers

Sr. Software Developers

Systems Analysts

Technical VPs

Visual Studio Programmers



A LETTER FROM THE CONFERENCE CO-CHAIRS

With the release of Windows 8, Windows Phone 8, and the Windows Runtime (WinRT), the Microsoft Development Platform has reached a huge milestone. Add to this the industry-wide HTML5 push, Big Data and ongoing enhancements to Windows Azure, and the inescapable conclusion is that just about everything is changing and growing.

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! Orlando, we'd like to personally invite you to join us this December in that sunny locale, 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, HTML5, Windows Phone and Cross Platform Mobile Development, WPF, Silverlight and Cloud Computing.

We've also got coverage on tools and concepts like the Microsoft .NET Framework 4.0 and 4.5, NoSQL, OAuth, Visual Studio 2010 and Visual Studio 2012, and workshop content on Windows 8 development, ASP.NET MVC, Visual Studio ALM, and creating great user experiences with XAML. These sessions burrow deep into the new subjects you need to master and the fundamentals that are always important.

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

We hope to see you there!



Andrew J. Brust
Visual Studio Live!
Co-Chair



Rockford Lhotka
Visual Studio Live!
Co-Chair

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Reasons to Attend Visual Studio Live!

1. **NOT TO BRAG, BUT . . .** we are the development world's most trusted educational provider of developer-focused content.
2. **BUY 1, GET 3 FREE!** And we mean FREE. Visual Studio Live! Orlando is a part of Live! 360 – a unique conference built for the IT and Developer community.

Live! 360 is comprised of four co-located events: **Visual Studio Live!, SharePoint Live!, SQL Server Live! and Cloud & Virtualization Live!**. By registering for just 1 event, you have access to ALL FOUR. Pick and choose from whatever sessions interest you across the entire Live! 360 conference – for just 1 price!
3. **TONS OF EDUCATION.** We offer 5 days of 50+ educational sessions in tracks like .NET / Visual Studio, Mobile, Web/HTML5 and Windows 8 / WinRT. Your brain will be so full your head will hurt. But it's a good hurt.
4. **EVEN STEVEN.** Hear from both independent industry experts and Microsoft insiders on the most recent software and industry updates. Yep, from both.
5. **DEEP DIVES.** Check out the 5 deep-dive workshops that feature hot topics like Windows 8 and XAML.
6. **ONE-STOP SHOPPING.** Find your favorite industry speakers all in one place, including Andrew Brust, Miguel Castro, Marcel de Vries, Billy Hollis, Rocky Lhotka, John Papa and Brian Randell, just to name a few.
7. **WE'RE CALLED VISUAL STUDIO LIVE! FOR A REASON.** Your gateway to all .NET development is LightSwitch, Visual Studio 2010 and "VS11", which provide powerful features around debugging, architecture and application lifecycle management (ALM). Get the information you need to understand and leverage the power of .NET, LightSwitch and Visual Studio today and into the future.
8. **STAY IN THE LOOP.** Find out what's happening on the Microsoft and developer landscape – TODAY. Change is good, embrace it.
9. **ONE-OF-A-KIND NETWORKING EVENTS.** What separates this conference from the rest are the multiple opportunities we provide you with to chat and mingle with the speakers and your fellow attendees.

Get those tough questions answered or hear what your colleagues are up to during meals and networking activities taking place throughout the week – it's fun AND educational!

Don't forget – with 4x the conferences, you have 4x the people to network with and learn from!
10. **LOCATION, LOCATION, LOCATION.** Florida in December. 'Nuf said.

EVENTS AND ACTIVITIES

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

VISUAL STUDIO LIVE! / LIVE! 360 EXHIBITOR RECEPTION

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

You won't want to miss the Visual Studio Live! / Live! 360 exhibitor reception on Tuesday, December 11! Take advantage of the dedicated time with sponsors and exhibitors who bring you the products and services you'll rely on in the coming year as you enjoy complimentary drinks and hors d'oeuvres.

LUNCHEON ROUND TABLE

*Wednesday, December 12
12:15 – 1:45 p.m.*

Plumb the knowledge and experience of your colleagues and conference speakers by participating in one of the Luncheon Round Tables. These tables are designated with a sign and seating is on a first-come basis.

EXHIBITOR EXPO

*Monday, December 10 –
Wednesday, December 12*

Browse the Exhibitor Expo. Gather information on the latest product updates and new technologies you can use to build solutions faster and gain productivity. Visit all booths and become eligible for the grand prize drawing!

LIVE! 360 DEMONSTRATION THEATER

The Live! 360 Demonstration Theater provides a great way to learn more about products and solutions offered by our 2012 sponsors. Located in the Expo Hall, the demonstrations are easy to drop in on for a quick dose of interesting tech talk.

EXPO HALL PRIZE HUNT

*Wednesday, December 12
3:30 p.m.*

Upon entering the Exhibitor Reception on Tuesday evening, you'll be handed a prize hunt card. Visit booths and collect a stamp from the exhibitors. Turn in your completed card and you'll be entered to win a variety of great prizes. We'll select winners beginning on Wednesday at 3:30 p.m. You must be present in the Expo Hall to win.

Visit the Visual Studio Live!
Website at www.vslive.com/orlando
for the demo theater schedule,
prize information, and the growing
list of exhibitors.



VENUE & TRAVEL

Venue Information

Combine business and pleasure! Make your time at Visual Studio Live! even better by bringing the family and staying at the Royal Pacific Resort at Universal Orlando, home to all conference sessions and activities. The Royal Pacific Resort at Universal Orlando is a perfect retreat with its exotic South Seas flavor for parents and kids alike.

Hotel Information

Royal Pacific Resort at Universal Orlando

6300 Hollywood Way
Orlando, Florida 32819
Phone: 866.360.7395



The Royal Pacific Resort at Universal Orlando provides comfort and relaxation in an ideal location. Situated just a short water taxi ride away from thrilling Universal CityWalk and the Universal Theme Park, this well-situated property makes visiting this sunny locale easy.

Special Visual Studio Live! Attendee Rate: \$119

Book by: November 16, 2012

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

Rooms at the Royal Pacific Resort in the Visual Studio Live! Room Block include complimentary in-room Internet connectivity and complimentary use of the Health Club.

Make your hotel reservation online or by calling Reservations at 866.360.7395 and ask for the Visual Studio Live! Room Block. (link: <http://www.loewshotels.com/en/Royal-Pacific-Resort/GroupPages/live360>)

COMPLETE CONFERENCE & HOTEL PACKAGE

If you select the Complete Conference & Hotel Package when registering, a hotel room at the Royal Pacific Resort at Universal Orlando will be reserved for you.

Travel

AIR TRAVEL DISCOUNTS

American Airlines is offering a 5% discount to Visual Studio Live! attendees for travel to Orlando International Airport between December 9 and 15, 2012. Mileage members can receive credit for all American miles flown to attend this conference. To take advantage of these discounts, please call toll-free, or have your travel agent call American Airlines: 800.433.1790 and reference number A22N2AZ. To book your discounted ticket online go to www.aa.com and use the discount reference number above as the promotion code.

CAR RENTAL DISCOUNTS

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

AIRPORT TRANSPORTATION

Orlando International Airport

The Royal Pacific Resort at Universal Orlando does not provide airport transportation, but there are several options:

MEARS TRANSPORTATION

800.759.5219

Mears provides convenient and affordable transportation between the Orlando International Airport and the Royal Pacific Resort. One way fares start at \$18. This is a shuttle service that will have other stops along the way.

Mears can also assist with sedan reservations or advance taxi reservations.

TAXI

One way fares from Orlando International Airport (MCO) average \$45-\$50

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

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

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, December 11, 2012		
7:00 am	8:00 am	Registration - Coffee and Morning Pastries		
8:00 am	9:00 am	Visual Studio Live! Keynote		
9:15 am	10:30 am	Live! 360 Keynote		
10:30 am	11:00 am	Networking Break • Visit the EXPO		
11:00 am	12:15 pm	VST1 - What's New in Azure for Developers - <i>Vishwas Lele</i>	VST2 - Leveraging XAML for a Great User Experience - <i>Billy Hollis</i>	VST3 - Intro to Metro - <i>Miguel Castro</i>
12:15 pm	2:00 pm	Lunch • Visit the EXPO		
2:00 pm	3:15 pm	VST5 - Azure Web Sites - <i>Steve Michelotti</i>	VST6 - Implementing the MVVM Pattern in WPF - <i>Miguel Castro</i>	VST7 - Smackdown: Metro Style Apps vs. Websites - <i>Ben Dewey</i>
3:15 pm	4:15 pm	Networking Break • Visit the EXPO		
4:15 pm	5:30 pm	VST9 - In Depth Azure IaaS - <i>Vishwas Lele</i>	VST10 - Building High Performance, Human-Centered Interactive Data Visualizations Dashboards - <i>Nick Landry</i>	VST11 - Going from Silverlight or WPF to Metro - <i>Greg Levenhagen</i>
5:30 pm	7:30 pm	Exhibitor Reception		

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

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

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

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

Speakers and sessions subject to change

SESSION DESCRIPTIONS BY TRACK

WORKSHOPS

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

■ VSM01 Workshop: XAML User Experience Design – Introductory

Billy Hollis

Monday, December 10

8:00am – 5:00pm

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

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

Miguel Castro

Monday, December 10

8:00am – 5:00pm

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

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

You will learn:

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

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

Rockford Lhotka

Monday, December 10

8:00am – 5:00pm

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

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

Tiberiu Covaci

Friday, December 14

8:00am – 5:00pm

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

You will learn:

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

SESSION DESCRIPTIONS BY TRACK, continued

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

Brian Randell

Friday, December 14

8:00am – 5:00pm

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

WEB / HTML5

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

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

■ VST05 Azure Web Sites – Intermediate

Steve Michelotti

Tuesday, December 11

2:00pm – 3:15pm

Azure Web Sites brings a whole new level of power and simplicity to cloud computing. This demo-heavy session

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

You will learn:

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

■ VSW01 JavaScript and jQuery for .NET Developers – Introductory

John Papa

Wednesday, December 12

9:15am – 10:30am

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

You will learn:

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

■ VSW05 Applying JavaScript Patterns – Intermediate

John Papa

Wednesday, December 12

11:00am – 12:15pm

JavaScript gets a bad rap sometimes for easily confused global variables, script files that are thousands of lines long, and mixing html with script code. But it doesn't have to be that way. This session will demonstrate common

techniques to separate structure (HTML), behavior (JavaScript) and presentation (CSS) with modern Web development. I'll offer a few tips to make your JavaScript more maintainable, manage namespacing, and demonstrate how to implement various JavaScript patterns.

You will learn:

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

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

Todd Anglin

Wednesday, December 12

1:45pm – 3:00pm

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

You will learn:

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

■ VSW10 Controlling ASP.NET MVC 4 – Introductory

Philip Japikse

Tuesday, December 11

11:00am – 12:15pm

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

You will learn:

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

■ VSW13 Making HTML5 Work Everywhere – Intermediate

Todd Anglin

Wednesday, December 12

4:00pm – 5:15pm

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

You will learn:

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

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

Philip Japikse

Tuesday, December 11

4:15pm – 5:30pm

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

You will learn:

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

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

Benjamin Day

Thursday, December 13

8:00am – 9:15am

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

SESSION DESCRIPTIONS BY TRACK, continued

customers that it's just plain crazy-slow.

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

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

You will learn:

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

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

Marcel de Vries

Thursday, December 13

9:30am – 10:45am

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

You will learn:

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

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

Ted Neward

Thursday, December 13

11:00am – 12:15pm

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

Sam Bisbee

Thursday, December 13

1:30pm – 2:45pm

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

You will learn:

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

■ VSTH17 Introduction to OAuth

Ted Neward

Thursday, December 13

3:00pm – 4:15pm

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

MOBILE

Mobile clients are becoming a common way for users to interact with each other, their organizations, and their business applications. Mobile apps might be native client apps or mobile Web sites, and they

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often make use of cloud-based data and services. Whether you're interested in working with Windows Phone specifically, or mobile platforms generally, there's something for you at Visual Studio Live! Orlando. This track includes:

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

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

Nick Landry

Tuesday, December 11

2:00pm – 3:15pm

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

Keith Burnell

Wednesday, December 12

11:00am – 12:15pm

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

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

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

You will learn:

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

■ VSW12 iOS Development Survival Guide for the .NET Guy

Nick Landry

Wednesday, December 12

1:45pm – 3:00pm

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

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

You will learn:

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

WPF / SILVERLIGHT

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

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

SESSION DESCRIPTIONS BY TRACK, continued

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

Billy Hollis

Tuesday, December 11

11:00am – 12:15pm

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

■ VST06 Implementing the MVVM Pattern in WPF – Intermediate

Miguel Castro

Tuesday, December 11

2:00pm – 3:15pm

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

You will learn:

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

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

Nick Landry

Tuesday, December 11

4:15pm – 5:30pm

"Get rid of numbers and give me some graphics!" Ever heard that one? There are many ways to communicate information, and in this session you'll learn how to build the richest, most engaging and interactive data visualization applications. Using a wide array of Visual Studio UI tools and techniques, you'll get a great start on achieving your data visualization goals of communicating information clearly and effectively. We'll explore usability, graphics,

colors, labels, and more attributes relative to your data types. In this UI design & code-focused talk, you will learn how to create high performance, expressive data visualization dashboards and screens, and we'll even explore advanced scenarios your data in motion which will revolutionize how you tell the story of your data. Come learn how to design and build dashboards that make heads turn and connect the user to the data they want, and need.

You will learn:

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

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

Billy Hollis

Wednesday, December 12

9:15am – 10:30am

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

WINDOWS 8 / WINRT

Windows 8 and the Windows Runtime (WinRT) are here. Are you working with them? Are you ready to start? The new version of Microsoft's flagship product brings the Metro user interface and Live Tiles to tablet/slate devices, laptops and even desktop PCs. Apps for Windows 8 can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live!

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Orlando, we'll prepare you to build Windows 8 Metro-style apps, and understand the finer points of WinRT that will make them great. This track includes coverage of the following:

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

■ VST03 Intro to Metro – Introductory / Intermediate

Miguel Castro

Tuesday, December 11

11:00am – 12:15pm

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

You will learn:

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

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

Ben Dewey

Tuesday, December 11

2:00pm – 3:15pm

With such a broad range of hardware and operating systems, HTML and Javascript on the web is the sure fire way to ensure your app can reach the broadest audience on all computers and devices. Unfortunately they lack the native features that make for an optimal experience. In



this presentation Ben Dewey highlights the native features of Metro Style apps that should be considered when making your development platform decisions. Every app is different and has different needs, this presentation will give you tools to help answer whether to go native or not on your next project.

You will learn:

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

■ VST11 Going from Silverlight or WPF to Metro – Intermediate

Greg Levenhagen

Tuesday, December 11

4:15pm – 5:30pm

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

You will learn:

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

SESSION DESCRIPTIONS BY TRACK, continued

■ VSW03 Filling Up Your Charm Bracelet – Introductory

Ben Dewey

Wednesday, December 12

9:15am – 10:30am

In this presentation, Ben Dewey will go in-depth on the different charms that are available in WinRT and how your app can take full advantage of them in order to provide a consistent experience with other apps on the Windows8 platform. This presentation will focus on C# and XAML.

You will learn:

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

■ VSW07 WinRT Services

Rockford Lhotka

Wednesday, December 12

11:00am – 12:15pm

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

Greg Levenhagen

Wednesday, December 12

1:45pm – 3:00pm

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

You will learn:

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

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

Elad Shaham

Wednesday, December 12

4:00pm – 5:15pm

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

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

You will learn:

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

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

Ben Hoelting

Thursday, December 13

8:00am – 9:15am

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

You will learn:

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

■ VSTH07 Build Windows 8 Apps using Windows Online Services

Rockford Lhotka

Thursday, December 13

9:30am – 10:45am

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

Ben Hoelting

Thursday, December 13

11:00am – 12:15pm

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

You will learn:

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

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

Elad Shaham

Thursday, December 13

1:30pm – 2:45pm

Windows 8 provides developers with more ways to interact with the user. Our app does not need to be running in the foreground in order to display fresh information. Updating our app's tile, popping up a toast notification, or updating the app's badge in the lock screen will help us create alternative interactions with the user's desktop. In this session we will see how to create a more vivid experience for our users, one which will attract them to use our app more often. We will achieve that goal by running background tasks or sending push notifications from our server.

You will learn:

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

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

Elad Shaham

Thursday, December 13

3:00pm – 4:15pm

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

You will learn:

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

VISUAL STUDIO / .NET

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

■ VST01 What's New in Azure for Developers

Vishwas Lele

Wednesday, December 12

1:45pm – 3:00pm

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

SESSION DESCRIPTIONS BY TRACK, continued

■ VST04 What's New in Visual Studio 2012

Rob Daigneau

Tuesday, December 11

11:00am – 12:15pm

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

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

■ VST09 In Depth Azure IaaS

Vishwas Lele

Wednesday, December 12

4:00pm – 5:15pm

If you have found yourself thinking...

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

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

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

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

Suggested Background Reading:

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

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

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

Jason Bock

Tuesday, December 11

4:15pm – 5:30pm

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

You will learn:

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

■ VSW06 Static Analysis in .NET – Intermediate

Jason Bock

Wednesday, December 12

11:00am – 12:15pm

We all want to have someone else review our code to make sure it's written well. Wouldn't it be even better if we can have that review process done automatically? In this session, you'll see how you can use static analysis tools (like Code Analysis/FxCop) to find all kinds of implementation issues before they show up in a release. You'll also find out how to manage rule sets in Visual Studio, and find out how you can create your own custom rules.

You will learn:

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

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

Rob Daigneau

Wednesday, December 12

4:00pm – 5:15pm

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

You will learn:

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

■ VSTH02 Patterns for Parallel Programming – Intermediate / Advanced

Tiberiu Covaci

Thursday, December 13

8:00am – 9:15am

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

You will learn:

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

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

Rob Daigneau

Thursday, December 13

8:00am – 9:15am

Visual Studio has made it incredibly easy for developers to create WCF Data Services that provide access to databases

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

You will learn:

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

■ VSTH06 ALM Features in VS12

Brian Randell

Thursday, December 13

9:30am – 10:45am

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

Marcel de Vries

Thursday, December 13

11:00am – 12:15pm

Ever heard of a feature called Intellitrace? It is part of Visual studio Ultimate and is a very powerful addition to your debugging options. Want to know what it is and how it works? This is the session for you. Based on a set of demo's I will show you how you can use intellitrace for your normal average debug session today, but also as postmortem when something went wrong with your application in a test environment or even when your Unit test turned red and you need to fix that problem. Come and see why this is feature can be a game changer for you today and even more so when we look at the future where we can use it in a production environment!

You will learn:

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

SESSION DESCRIPTIONS BY TRACK, continued

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

Benjamin Day

Thursday, December 13

1:30pm – 2:45pm

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

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

You will learn:

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

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

Keith Burnell

Thursday, December 13

1:30pm – 2:45pm

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

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

You will learn:

- What is code first and model/domain driven development.
- The importance of keeping your domain separate from

your database.

- How to get the most of EF Code First.

■ VSTH18 Azure Hosted TFS

Brian Randell

Thursday, December 13

3:00pm – 4:15pm

■ VSTH20 The LINQ Programming Model – Introductory

Marcel de Vries

Thursday, December 13

3:00pm – 4:15pm

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

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

You will learn:

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



CONFERENCE CO-CHAIRS

Andrew Brust

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



Andrew Brust is Founder and CEO of Blue Badge Insights, an analysis, strategy and advisory firm serving Microsoft customers and partners. Brust also serves as CTO for Tallan, a Microsoft National Systems Integrator; is a

Microsoft Regional Director and MVP; an advisor to the New York Technology Council; and co-author of "Programming Microsoft SQL Server 2008".

Rockford Lhotka

Visual Studio Live! Conference Co-Chair
CTO, Magenics



Rockford Lhotka is the CTO of Magenics, 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. Magenics (magenics.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.

ADVISORY BOARD

Michael Desmond

Editor in Chief, MSDN Magazine



Michael Desmond is editor in chief of *MSDN Magazine*, Microsoft's flagship publication for software developers working with Microsoft tools and technologies. A 20-year veteran in IT and technology publishing, Desmond

was an editor at *PC World* magazine for six years before launching an editorial consultancy that did work for leading technology firms like IBM, Intel and Sun Microsystems.

Keith Ward

Editor in Chief, Visual Studio Magazine



Keith Ward is editor in chief of *Visual Studio Magazine*. He's been a technology journalist for more than a decade. In that time, he's covered all aspects of the industry, from IT administration to virtualization to software development.

He was founding editor of *Virtualization Review* magazine, editor of *Redmond* magazine and senior editor of *Microsoft Certified Professional* magazine. He served as editor in chief of *MSDN Magazine* before his current role with *Visual Studio Magazine*.

SPEAKERS

Todd Anglin

Chief Evangelist, Telerik



Todd Anglin is Chief Evangelist for Telerik, a leading provider of development tools and UI components for .NET.

Before joining Telerik, he worked for a large Fortune 200 financial services company where he learned the way of the "Enterprise" – big budgets, big projects, legacy systems, and incessant measurement. He now leverages this Enterprise experience to help Telerik make components that make the lives of all developers as easy as possible. Todd is an active author and speaker in the .NET community, focusing on web development technologies, a Microsoft MVP, founder and President of the North Houston .NET Users Group, and an O'Reilly author.

Sam Bisbee

Director of Technical Business Development, Cloudant



Sam is the Director of Technical Business Development at Cloudant, but prefers the title Senior Doing

Stuff Person. He spends his time context switching between writing code and helping customers and partners leverage Cloudant. Before Cloudant he was a CTO at a few start ups and a consultant at several agencies where he aided companies in figuring out how to leverage new web and NOSQL technologies.

Jason Bock

Principal Consultant, Magenic



Jason Bock is a Principal Consultant for Magenic (<http://www.magenic.com>) and a Microsoft MVP (C#). He has

worked on a number of business applications using a diverse set of substrates and languages such as C#, .NET, and Java. He is the author of "Applied .NET Attributes", "CIL Programming: Under the Hood of .NET", ".NET Security", and "Visual Basic 6 Win32 API Tutorial". He has written numerous articles on software development issues and has presented at a number of conferences and user groups. He is a leader of the Twin Cities Code Camp (<http://www.twincitiescodecamp.com>) and runs the Twin Cities Languages User Group (<http://www.twincitieslanguagesusergroup.com>). Jason holds a Master's degree in Electrical Engineering from Marquette University. Visit his web site at <http://www.jasonbock.net>.

Keith Burnell

Senior Software Engineer, Skyline Technologies



Keith Burnell is a Microsoft MVP and Senior Software Engineer with Skyline Technologies. He has

been developing software for over 15 years specializing in large scale ASP.NET and ASP.NET MVC web site development and architecture as well as teaching and mentoring clients on the benefits of test-driven development. Keith is an active member of the .NET community who speaks regularly at local and regional user

groups and developer events as well as at national conferences. He is an avid blogger and writer and has been featured multiple times in MSDN magazine. Keith has two wonderful daughters and is married to his high school sweetheart who is still way out of his league! When not slinging code, Keith enjoys spending time with his family, karate, golf, and woodworking. Keith can be found on his Blog, Twitter, and GitHub.

Miguel Castro

Architect, IDesign



Miguel Castro is an architect with IDesign with over 22 years of experience in the software industry. He's a

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

Tiberiu Covaci

Independent Trainer



Tiberiu started his career as a professional developer in 1991. Since 2004 he has worked as an independent trainer,

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

Rob Daigneau

Principal, ArcSage LLC



Rob Daigneau has more than twenty years of experience designing and implementing applications and

products for a broad array of industries, from financial services, to manufacturing, to retail and travel. Rob has served in such prominent positions as Director of Architecture for Monster.com and Manager of Applications Development at Fidelity Investments. He has been known to speak at a conference or two."

Benjamin Day

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



Benjamin Day is a consultant and trainer specializing in software development best practices using

Microsoft's development tools with an emphasis on Silverlight, Team Foundation Server, Windows Azure, and Scrum. He is a Microsoft Visual Studio ALM MVP, a certified Scrum trainer via Scrum.org, and a speaker at conferences such as TechEd and

VSLive. When not developing software, Ben likes to hang out with his wife and cats, play jazz piano, and geek out on all things food. He can be contacted via benday.com and blog.benday.com.

Marcel de Vries

Technology Manager, Info Support



Marcel spends most of his time helping customers build enterprise systems based on Microsoft

Technology. He has been working with Microsoft technology since he graduated in Computer Science in 1996. He started mainly with C/C++ and MFC. When Microsoft launched its new .NET platform in he immediately used it to write the first commercial application to go live in the Netherlands based on ASP.NET.

Marcel writes articles and whitepapers on .NET and Team System for MSDN, Architecture journal and Dutch local magazines like .NET magazine. Marcel is a frequent speaker at conferences like Microsoft Developer Days, SDC, MCT Summit and is besides his work as an IT Architect consultant at large bank and insurance companies also Technology Manager at Info Support and a Microsoft Certified trainer. As a trainer he teaches courses on Visual Studio ALM, Windows Workflow Foundation and Mobile development. Marcel is a Visual Studio ALM MVP and Microsoft Regional Director for the Netherlands.

Ben Dewey

Senior Software Consultant, Tallan, Inc



Ben Dewey is currently employed at Tallan, Inc. as a Senior Software Consultant. Ben Dewey

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

Ben Hoelting

Software Architect, Aspenware



Ben Hoelting: Software Architect for Aspenware and C# MVP. He graduated from Colorado State University in 1997

with a BS in Computer Information Systems and a Minor in Computer Science. Ben joined the IT industry in 1996 as an intern and has worked with .NET since its inception back in 2002. Over the last few years he has done some work for the Department of Defense. He left the government world and now works for Aspenware in Denver, CO. His most recent projects include a Silverlight line of business application that uses the ADO.NET Entity Framework to access the backend data store. He also is working on an MS Office automation project as well as geospatial ASP.NET MVC website. Ben is a Microsoft Certified Technology Specialist (MCTS) for Web and Windows .NET 4.0. His blog is at <http://www.benhblog.com> and his twitter stream is at <http://twitter.com/benhnet>. Finally, Ben is

SPEAKERS, continued

very involved in the local .NET community and is the leader of the South Colorado .NET User Group.

Billy Hollis

Next Version Systems



Billy Hollis is an author and software developer from Nashville, Tennessee. Billy is co-author of the first book ever

published on Visual Basic .NET, VB .NET Programming on the Public Beta. He has written many articles, and is a frequent speaker at conferences. He is the Regional Director of Developer Relations in Nashville for Microsoft, and runs a consulting company focusing on Microsoft.NET. You can visit his website at: www.billyhollis.com

Philip Japikse

Patterns & Practices Evangelist, Telerik



Phil Japikse has been working with .Net since the first betas, and developing software for over 20 years. Phil is a

Microsoft MVP and also holds MCSD, MCDBA, CSM, and CSP certifications. Phil is an international speaker and a passionate member of the developer community, speaking at Code Camps and Days of .NET all across the country as well as serving as the Lead Director for the Cincinnati .Net User's Group. Phil works as the Patterns and Practices Evangelist for Telerik (www.telerik.com), is a Firefighter/Paramedic, and a volunteer for the Ski Patrol. You can follow Phil on twitter via www.twitter.com/skimedica and read his blog at www.skimedica.com/blog.

Nick Landry

Senior Product Manager, Infragistics



Nick Landry (@ActiveNick) is a Senior Product Manager for Infragistics, the world leader in user interface development

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

Vishwas Lele

Architect, AIS



Vishwas Lele is an AIS Chief Technology Officer and is responsible for the company vision and execution of

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

Greg Levenhagen

Senior Software Engineer, Skyline Technologies



Greg Levenhagen has been designing and developing enterprise solutions and leading projects for a variety of

businesses for over 10 years. He has worked on a diverse set of platforms using many different tools. He is a true enthusiast of computer science, with passions and interests including mobile, cloud, architecture, parallel, testing, agile, UX, 3D/games, languages and much more. Greg is a Senior Software Engineer with Skyline Technologies, Board member of the Fox Valley .NET User's Group, cofounder of the Northeast WI Agile User's Group, INETA speaker, IEEE member, ACM member, substitute professor and a PhD student. Along with being a life-long geek, Greg enjoys golfing,

football, woodworking, philosophy and stimulating conversation. You can find Greg at <http://www.devtreats.com> and @GregLevenhagen.

Rockford Lhotka

CTO, Magenic



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

Steve Michelotti

*Architect/Developer,
Applied Information Sciences*



Steve Michelotti is a Microsoft ASP.NET MVP and a contributing author for Pluralsight training. In addition, Steve is a frequent presenter at developer user groups and Code Camps along the East Coast and holds the MCSD, MCPD, and MCT certifications. Steve is an avid blogger (<http://geekswithblogs.net/michelotti>), has contributed articles to Visual Studio Magazine, and his work on high performance web solutions was featured on Channel 9. Currently he is serving as an Architect/Developer for Applied Information Sciences (AIS) where he is leading a multi-year effort to modernize the business systems of a major insurance carrier. Previously he was the Chief Technologist at e.

magination where he consulted with clients including Advertising.com/AOL where he was the Tech Lead for one of the highest volume .NET applications in the world.

Ted Neward

Architectural Consultant, Neudesic



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

John Papa

JohnPapa.net, LLC



John Papa, a former Sr Technical Evangelist for Microsoft on the Silverlight and Windows 8 teams, is the author of 100+ articles and 10 books on various technologies. He has been found speaking around the world at keynotes and session for industry conferences such as Build, MIX, PDC, TechEd, VSLive and DevConnections, and while at Microsoft he was the host of the popular show Silverlight TV on Channel 9. He currently enjoys writing his columns Papa's Perspective for VS Magazine and Client Insights for MSDN Magazine. You can always find John at johnpapa.net or on twitter at @john_papa.

Brian Randell

Senior Consultant, MCW Technologies



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

Elad Shaham

*Senior Consultant and Instructor,
Sela Group*



Elad Shaham is a senior consultant and instructor at Sela Group. He has over 10 years of experience in client side development and architecture for client Microsoft technologies: WPF, Silverlight, Windows Phone and the new Windows 8 Metro Style Apps. In the past year, Elad has helped creating Windows Phone training materials for Microsoft, and has been delivering lectures about Windows Phone to students in several Universities and Colleges in Israel. He is also leading the Windows Devices User Group, supported by Microsoft Israel.

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