Visual Studio LIVE!

EXPERT SOLUTIONS FOR .NET DEVELOPERS

WASHINGTON, D.C.

October 6 – 9, 2014

Washington Marriott at Metro Center

TRACKS INCLUDE:

➤ ASP.NET
➤ CLOUD COMPUTING
➤ CROSS-PLATFORM MOBILE DEVELOPMENT
➤ JAVASCRIPT/HTML5 CLIENT
➤ SHAREPOINT/OFFICE
➤ SQL SERVER
➤ VISUAL STUDIO / .NET FRAMEWORK
➤ WINDOWS CLIENT
➤ WINDOWS PHONE

TO BOLDLY CODE

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A MESSAGE FROM THE CONFERENCE CO-CHAIRS

The Microsoft Development Platform is undergoing substantial changes. Microsoft continues its rapid evolution of Windows 8, Windows RT, and Windows Phone, even as it adds support for cross-platform Web applications and partners with Xamarin to support native applications too. Add to that the industry-wide HTML5 push and Microsoft's ongoing commitments to JavaScript / TypeScript and its continuous stream of enhancements to 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! Washington, D.C., we'd like to personally invite you to join us this October at our inaugural event in the heart of the nation's capital. Our host hotel, the Washington Marriott at Metro Center, is perfectly situated for learning by day, and exploring this historic city by night.

We've worked together to provide some of the best content and speakers that you'll find at a technical conference, with a blockbuster lineup of sessions on: Windows Client, ASP.NET, HTML5 / JavaScript, Cross-Platform Mobile Development, 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, ASP.NET MVC, Web API, Xamarin, and TypeScript. Then there's our workshop content, covering Modern App Development with Xamarin, 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.
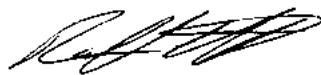
We're at a turning point in the industry, and it's your choice whether to be overwhelmed by the change or to embrace it. At such a pivotal time, Internet-based content isn't enough. Find a way to get to Visual Studio Live! Washington, D.C. and get live content and interaction with independent experts. Your career deserves nothing less.

We hope to see you there!

Andrew Brust
Visual Studio Live! Co-Chair

Rockford Lhotka
Visual Studio Live! Co-Chair

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10 REASONS TO ATTEND

VISUAL STUDIO LIVE! WASHINGTON, D.C.

1. BOLDLY CODE WITH US! Join us on our maiden voyage to our Nation's capital to explore what's now, new and next for the .NET development universe.

2. A TRUSTED SOURCE SINCE 1993. 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. BALANCE YOUR BUDGET. Get 4 days of developer-focused education for a great price! Plus, the earlier you register, the more you save!

4. TRULY BIPARTISAN VIEWS. We want you to learn about the most recent software and industry updates from every angle. That's why you'll get to hear from both unbiased industry experts and Microsoft insiders at your sessions.

5. STAY INFORMED ON CURRENT EVENTS. What you need to know now: the information-packed 4-day agenda offers multiple sessions in tracks such as Visual Studio /.NET Framework, Cloud Computing, Cross-Platform Mobile and JavaScript/HTML5 Client.

6. CHANGE YOU CAN BELIEVE IN. Moving to the Cloud? Embracing enterprise mobility? Opening the floodgates of open source development? Are you ready? Andrew Brust and Rockford Lhotka, our conference co-chairs, are here to help you not only understand and work with the change, but master it!

7. YOUR CAPTAINS OF CONTENT. Sit down for some one-on-one time with the likes of Miguel Castro, Rockford Lhotka, Deborah Kurata and Brian Randell. Speakers at Visual Studio Live! are always able and willing to talk to you outside of sessions – it's a great opportunity to get insightful, on-point answers to some of your burning questions!

8. WE ARE VISUAL STUDIO LIVE! The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2014 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. SHAKE SOME HANDS. Developers, engineers, software architects and designers will all be at the conference from all around the world -- take advantage of the meals and networking events to get to know your colleagues.

10. TAKE A STEP BACK TO MOVE FORWARD. Getting out from behind your desk, stepping away from the daily grind, and taking 4 days to soak in new knowledge is still the best way to move forward on new projects and breathe life into old ones at the office.

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EVENTS & ACTIVITIES

THE FUN STUFF: VISUAL STUDIO LIVE! WASHINGTON, D.C. EVENTS
Your attendance at Visual Studio Live! Washington, D.C. is about learning from your peers as well as the experts; make the most of your time with us and add these events to your itinerary!

DINE-A-ROUND DINNER
Monday, October 6, 6:00 – 9:00 p.m.

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 capital 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 smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

EXHIBITOR WELCOME RECEPTION
Tuesday, October 7, 4:15 - 5:45 p.m.

All conference attendees are invited to celebrate the start of Visual Studio Live! Washington, D.C. at the Exhibitor Welcome Reception. Join us in the expo area to network with fellow conference attendees and speakers, talk with the event sponsors, enjoy complimentary drinks and hors d'oeuvres, and participate in the conference raffle.

BIRDS-OF-A-FEATHER LUNCH
Wednesday, October 8, 12:15 – 1:30 p.m.

Plumb the knowledge and experience of your colleagues, conference speakers and exhibitors by participating in one of the Birds-of-a-Feather table discussions. These tables are designated with a sign and seating is on a first-come basis.

Table Topics:
ASP.NET (Web Forms, MVC)

WPF / Silverlight

Visual Studio

Languages (VB, C#, JavaScript)

ALM

SharePoint and Office

LINQ, Entity Framework, ADO.NET 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

"THIS CONFERENCE IS NOT A SALES PITCH. ACTUAL DEVELOPERS PRESENT THE SESSIONS - I FELT THE CLASSES WERE GEARED MORE TOWARDS ME AS A DEVELOPER THAN THE LAST TECHED CONFERENCE I ATTENDED."

Jon Plater, Kantar Retail

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

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, October 6, 2014 (Separate entry fee required)
7:30 AM	9:00 AM	Pre-Conference Workshop Registration
9:00 AM	6:00 PM	**MW01** - Workshop: Deep Dive Into Visual Studio 2013, TFS, and Visual Studio Online - *Brian Randell* **MW02** - Workshop: SQL Server for Developers - *Andrew Brust & Leonard Lobel* **MW03** - Workshop: Data-Centric Single Page Applications with Angular, Breeze, and Web API - *Brian Noyes*
6:00 PM	9:00 PM	Dine-A-Round Dinner

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, October 7, 2014
7:00 AM	8:00 AM	Registration
8:00 AM	9:00 AM	**Keynote:** To Be Announced
9:15 AM	10:30 AM	**T01** - Great User Experiences with CSS 3 - *Robert Boedigheimer* **T02** - What's New in MVC 5 - *Miguel Castro* **T03** - New IDE and Editor Features in Visual Studio 2013 - *Deborah Kurata* **T04** - Creating Universal Windows Apps for Business - *Rockford Lhotka*
10:45 AM	12:00 PM	**T05** - Using jQuery to Replace the Ajax Control Toolkit - *Robert Boedigheimer* **T06** - ASP.NET Reloaded: Web Forms vs. MVC vs. Web API - *Dino Esposito* **T07** - Introduction to In Memory OLTP Using Hekaton in SQL Server 2014 - *Kevin Goff* **T08** - WPF Data Binding in Depth - *Brian Noyes*
12:00 PM	1:30 PM	Lunch - Visit Exhibitors
1:30 PM	2:45 PM	**T09** - Build an Angular and Bootstrap Web Application in Visual Studio from the Ground Up - *Deborah Kurata* **T10** - What's New in Web API 2 - *Miguel Castro* **T11** - Making the Most of the Visual Studio Online - *Brian Randell* **T12** - Moving Web Apps to the Cloud - *Eric D. Boyd*
3:00 PM	4:15 PM	**T13** - JavaScript for the C# (and Java) Developer - *Philip Japikse* **T14** - Never Mind the Mobile Web; Here's the Device Web - *Dino Esposito* **T15** - Cross-Platform Dev (iOS, Android and Java) with TFS and Team Explorer Everywhere - *Brian Randell* **T16** - Solving Security and Compliance Challenges with Hybrid Clouds - *Eric D. Boyd*
4:15 PM	5:45 PM	Exhibitor Welcome Reception

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, October 8, 2014						
7:00 AM	8:00 AM	Registration						
8:00 AM	9:00 AM	Keynote: To Be Announced						
9:00 AM	9:30 AM	Networking Break						
9:30 AM	10:45 AM	W01 - Writing Next Generation JavaScript with TypeScript - *Rachel Appel*	W02 - A Survey of Two Popular Visual Studio Tools - Web Essentials and NuGet - *John Petersen*			W03 - Getting Started with Xamarin - *Walt Ritscher*			W04 - SQL for Application Developers - Attendees Choose - *Kevin Goff*
11:45 AM	12:15 PM	W05 - Building Single-Page Web Applications Using Kendo UI and the MVVM Pattern - *Ben Hoelting*	W06 - ASP.NET MVC - Rudiments of Routing - *Walt Ritscher*			W07 - Getting Started with Windows Phone Development - *Nick Landry*			W08 - Database Development with SQL Server Data Tools - *Leonard Lobel*
12:15 PM	1:30 PM	Birds-of-a-Feather Lunch - Visit Exhibitors						
1:30 PM	2:45 PM	W09 - Introduction to AngularJS - *John Petersen*	W10 - Slice Development Time with ASP.NET MVC, Visual Studio, and Razor - *Philip Japikse*			W11 - The Great Mobile Debate: Native vs. Hybrid App Development - *Nick Landry*			W12 - Learning Entity Framework 6 - *Leonard Lobel*
3:00 PM	4:15 PM	W13 - Creating Angular Applications Using Visual Studio LightSwitch - *Michael Washington*	W14 - Build Data Driven Web Sites with WebMatrix 3 and ASP.NET Web Pages - *Rachel Appel*			W15 - Busy .NET Developer's Guide to iOS - *Ted Neward*			W16 - Team Foundation Server for Scrum Teams - *Richard Hundhausen*
4:30 PM	5:45 PM	**W17 - To Be Announced**	W18 - Build Real Time Websites and Apps with SignalR - *Rachel Appel*			W19 - Busy .NET Developer's Guide to Android - *Ted Neward*			W20 - Team Foundation Server: Must-Have Tools and Widgets - *Richard Hundhausen*

Speakers and Sessions Subject to Change.

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

AGENDA AT-A-GLANCE (THURSDAY)

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, October 9, 2014						
7:30 AM	8:00 AM	Registration						
8:00 AM	9:15 AM	TH01 - Excel, Power BI and You: An Analytics Superhub - *Andrew Brust*	TH02 - What's New in WPF 4.5 - *Walt Ritscher*			TH03 - Visual Studio 2013, Xamarin and Windows Azure Mobile Services: A Match Made in Heaven - *Rick Garibay*			TH04 - What's New in the .NET 4.5.1 BCL - *Jason Bock*
9:30 AM	10:45 AM	TH05 - Big Data 101 with HDInsight - *Andrew Brust*	TH06 - WPF for the Real World - *Brian Lagunas*			TH07 - Building Your First Windows Phone 8.1 Application - *Brian Peek*			TH08 - Essential C# 6.0 - *Mark Michaelis*
11:00 AM	12:15 PM	TH09 - Cloud or Not, 10 Reasons Why You Must Know "Web Sites" - *Vishwas Lele*	TH10 - Deploying WinRT Apps Without the Store - *Rockford Lhotka*			TH11 - Building Games for Windows and Windows Phone - *Brian Peek*			TH12 - To Be Announced
12:15 PM	1:15 PM	Lunch						
1:15 PM	2:30 PM	TH13 - Loosely Coupled Applications with Service Bus and Document-centric Data Stores - *Vishwas Lele*	TH14 - Creating Cross-Platform Games with Unity - *Brian Lagunas*			TH15 - Visual Studio Cloud Business Apps - *Michael Washington*			TH16 - Asynchronous Debugging in .NET - *Jason Bock*
2:45 PM	4:00 PM	TH17 - Not Your Father's BizTalk Server: Building Modern Hybrid Apps with Windows Azure BizTalk Services - *Rick Garibay*	TH18 - Use Your .NET Code in WinRT with Brokered Assemblies - *Rockford Lhotka*			TH19 - Best Practices: Building Apps for Office Using HTML/JavaScript - *Mark Michaelis*			TH20 - Adventures in Unit Testing: TDD vs. TED - *Ben Hoelting*
4:15 PM	5:15 PM	Conference Wrap-Up Panel: *Andrew Brust (Moderator), Jason Bock, Ben Hoelting, Rockford Lhotka, & Brian Peek*						

Speakers and Sessions Subject to Change.

"ALL OF THE PRESENTATIONS I ATTENDED WERE GREAT. VERY INFORMATIVE AND THE PRESENTERS SHOWED A LOT OF EXPERTISE. THE CONFERENCE EVENTS WERE ALSO VERY WELL DONE."

Lynden Headley, Human Kinetics

Register at vslive.com/dc

VISUAL STUDIO LIVE! WORKSHOPS

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

■ MW01 Workshop: Deep Dive Into Visual Studio 2013, TFS, and Visual Studio Online - *Intermediate / Advanced*
Brian Randell
Monday, October 6   *9:00am – 6:00pm*

Each release of Visual Studio and Team Foundation Server keep getting better. You know the basics and are ready for more. You want to know what's new and what's worth using in the new 2013 releases. You've also heard about Visual Studio Online and wonder if it's something you should consider. Finally, you've got a few questions about your existing process and how you use TFS. In this workshop, Brian will first cover the product with the assumption you know the basics. From there he will dig into the new Git version control, Enterprise Agile, and Release Management features in 2013. He'll compare and contrast TFS with the new service, cover some App Insights, and answer your tough questions. So please, come with experience and your existing knowledge of Visual Studio and TFS and let's go swimming with the sharks and dive deep for a day of fun and knowledge transfer.

You will learn:
• What's new in VS 2013
• What's new in TFS 2013
• What is Visual Studio Online
• Upgrade advice moving from earlier releases of TFS and Visual Studio

■ MW02 Workshop: SQL Server for Developers – *Intermediate*
Andrew Brust & Leonard Lobel
Monday, October 6   *9:00am – 6:00pm*

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

We'll start with the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE. Then preview the T-SQL enhancements coming in SQL Server 2012.

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

Then we'll examine the "beyond relational" features in SQL Server 2008, and the latest additions added in SQL Server 2012. 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 will learn:
• T-SQL enhancements in SQL Server 2008 2012
• BI features in SQL Server 2008 R2 and 2012
• Unstructured data storage, native file streaming, and hierarchical and geospatial data types

■ MW03 Workshop: Data-Centric Single Page Applications with Angular, Breeze, and Web API – *Introductory / Intermediate*
Brian Noyes
Monday, October 6   *9:00am – 6:00pm*

You need to build an 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 may be fully embracing the Single Page Application (SPA) architecture, or you may 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

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:

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

■ T03 New IDE and Editor Features in Visual Studio 2013
- Introductory / Intermediate
Deborah Kurata
Tuesday, October 7   *9:15 – 10:30am*

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

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

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

You will learn:
- Use the new features of Visual Studio 2013 IDE
- Increase your productivity using the new features in the Visual Studio 2013 editors

■ T11 Making the Most of the Visual Studio Online
– Introductory / Intermediate
Brian Randell
Tuesday, October 7   *1:30 – 2:45pm*

Do you have a distributed team? Are you looking for someone to take care of your team's source code repository and bug list so you don't have to? If so, take a look at Visual Studio Online. Located at tfs.visualstudio.com, it brings together Microsoft Visual Studio, Team Foundation Server and Windows Azure. In this session, Randell will show you how to get started with the service, load up code, track your work and run builds. More importantly, he will help you understand the pros and cons of moving to the cloud. He'll also discuss how Team Foundation Service differs from Team Foundation Server, and what that means to you and your team.

You will learn:
- Why Visual Studio Online
- Should you use it or TFS
- An overview of all the services offered

■ T15 Cross-Platform Dev (iOS, Android and Java) with TFS and Team Explorer Everywhere – *Intermediate*
Brian Randell
Tuesday, October 7   *3:00 – 4:15pm*

You build web sites. You build for iOS. You use Java. But you work in an environment where they want you to use Team Foundation Server (or the cloud-based Team Foundation Service) for version control and work item tracking. Well, great. That's not a problem. It's the modern era and Microsoft is a friend not a foe. In this session, Randell will show you how you can work your way while still storing your bits in TFS. Oh, and guess what? You can even use Git with it. You'll learn about builds and getting your product out the door.

You will learn:
- How to access TFS and VSO from non-Windows Systems
- How to use Team Explorer Everywhere
- How to integrate Xcode development with TFS and VSO

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ W16 Team Foundation Server for Scrum Teams
– Introductory / Intermediate
Richard Hundhausen
Wednesday, October 8   3:00 – 4:15pm

So, you're on a Scrum team. Welcome to the club. Over 80% of agile projects use Scrum. Instead of using or considering a third party system to plan and track your next Scrum project, get integrated! You may already be using Team Foundation Server for source code and automated builds, but did you know that it offers a great Scrum process template and tools as well? From the Product Backlog to the Sprint Backlog, from the task board to the burndown, it's obvious that Microsoft really knows how to build tools to support Scrum teams.

In this session, you will learn how to implement Scrum and perform release planning, sprint planning, forecasting, and tracking of work. We will use Team Foundation Server to refine a product backlog, forecast work, plan and manage a sprint, and achieve our definition of "done", all using Team Foundation Server.

You will learn how to use (on-premises) Team Foundation Server to plan and track a Scrum software project as well as establish and refine a product backlog.

■ W20 Team Foundation Server: Must-Have Tools and Widgets *– Introductory / Intermediate*
Richard Hundhausen
Wednesday, October 8   4:30 – 5:45pm

Microsoft knows that software developers are picky and demanding. As such, they did a wonderful job providing extensibility points throughout Team Foundation Server. After many years, scores of third party products are available to enhance Team Foundation Server's capabilities.

In this session, we will spend the time exploring the more interesting and useful tools and solutions from the ever-expanding Visual Studio community, including the top 10 must-have tools for Team Foundation Server administrators.

You will learn the out-of-the-box limitations of Team Foundation Server and what tools and widgets Microsoft and the community offer to fill those gaps.

■ TH04 What's New in the .NET 4.5.1 BCL *– Intermediate*
Jason Bock
Thursday, October 9   8:00 – 9:15am

In this talk, we'll focus on the additions to the latest version of the .NET Framework, such as asynchronous I/O, reflection, and event handling. We'll also cover key CLR changes made that you should be aware of.

You will learn:
- Gain an understanding of the new APIs available to .NET developers
- See what's been changed in 4.5.1 that may affect current code
- Use this knowledge to move effectively into the next version of .NET

■ TH08 Essential C# 6.0 *– Intermediate*
Mark Michaelis
Thursday, October 9   9:30 – 10:45am

Don't miss this session to preview the C# language changes that will be part of C# 6.0 including: primary constructors, property/method expressions, monadic null checking, and much more. 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

■ TH16 Asynchronous Debugging in .NET *– Intermediate*
Jason Bock
Thursday, October 9   1:15 – 2:30pm

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

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

> **"I ENJOYED THE VARIETY OF TOPICS. A LITTLE BIT OF EVERYTHING IS OFFERED, COVERING MANY DIFFERENT DIFFICULTY LEVELS."**
>
> *Marcus Gilbert, Snapshot Design*

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ TH20 Adventures in Unit Testing: TDD vs. TED
– *Introductory / Intermediate*
Ben Hoelting
Thursday, October 9   *2:45 – 4:00pm*

I constantly find myself debating with developers over the benefits of Test Driven Development (TDD). I understand the basic principles of TDD. However, I have never found the right opportunity to implement it myself. I have always done Test Eventual Development (TED). Basically, I have coded away and written Unit Tests after the fact to test the most complex portions of the system. This session will document my adventures into implementing TDD and define the pros and cons of TDD vs. TED.

You will learn:
• The basic principles of Test Driven Development
• How to write good tests
• Why having even a few tests is better than nothing

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! Washington, D.C., 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:

• Universal Windows Apps

• Mixing WinRT and .NET code with brokered assemblies

• WPF development

■ T04 Creating Universal Windows Apps for Business – *Intermediate*
Rockford Lhotka
Tuesday, October 7   *9:15 – 10:30am*

The Universal Apps model in Visual Studio 2013 makes it relatively easy to share most of your code across different UI platform technologies, such as WPF, Windows Runtime (Windows 8), Windows Runtime (Windows Phone), and Android and iOS (via Xamarin). In this session, you will learn how to take full advantage of shared projects in Universal App solutions to share code, and even some UI components, across these different platforms. The result is that you'll be prepared to create business applications that span more UI platforms than ever before.

■ T08 WPF Data Binding in Depth
– *Introductory / Intermediate*
Brian Noyes
Tuesday, October 7   *10:45am – 12:00pm*

One of the most powerful capabilities of WPF and other XAML technologies is data binding. Data binding helps you keep your markup and view definition loosely coupled from the logic and data objects in your client application. In this session, you will learn to leverage the full power of data binding in WPF. You'll get a quick review of the basics of data binding, and then will get into the full capabilities of bindings. You'll learn what kinds of objects you can bind

to and what those objects need to fully participate in data binding. You'll also learn how to leverage data templates to render your data objects however you want in flexible and extensible ways. You'll learn how to leverage the validation capabilities of bindings to validate input data and provide feedback to the user about errors.

You will learn:
• How to use all the features that bindings support in WPF
• How to use data templates to provide the visuals for data objects
• How to validate input from the user and present errors

■ TH02 What's New in WPF 4.5
– *Introductory / Intermediate*
Walt Ritscher
Thursday, October 9   *8:00 – 9:15am*

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 Walt for this information packed session showcasing these improved features.

You will learn:
• See the new binding improvements and Live Shaping of list data
• How to use the new Async APIs and learn the threading improvements
• Examine the new controls including a XAML Ribbon control

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ TH06 WPF for the Real World
– *Introductory / Intermediate*
Brian Lagunas
Thursday, October 9   *9:30 – 10:45am*

Windows Presentation Foundation (WPF) is becoming more and more popular as businesses begin to convert their legacy Windows Forms applications and write their new line of business applications using WPF. WPF provides developers with a unified programming model for building rich Windows smart client user experiences that incorporate UI, media, and documents. With WPF, you can create a wide range of both standalone and browser-hosted applications. This session is aimed at giving you the knowledge required to get started writing line of business WPF applications so that you can become a more important asset to your employer. There will be no spinning buttons, no rotating cubes, and no silly or impractical tricks.

This session will concentrate on the basic building blocks required to be a successful WPF developer. By the end of this session you will know what XAML is, how to manage layout in your application, define controls in your views, style and template your views, handle events, and manage data with data binding and the MVVM (Model-View-ViewModel) design pattern. Come join Brian in this interactive and fun learning experience where you can control the direction of the talk and emphasize what you are most interested in.

You will learn:
• How to manage Layouts
• How to use controls
• Styles and templates
• WPF event model
• Data Binding with MVVM

■ TH10 Deploying WinRT Apps Without the Store – *Intermediate*
Rockford Lhotka
Thursday, October 9   *11:00am – 12:15pm*

Deployment is an important consideration when building business apps for any platform. If your users can't install the apps they can't use them. On mobile platforms such as iOS, Android, and Windows Runtime (WinRT) most business applications are deployed via "side loading" which means they are deployed directly, not through a public store. In this session you will learn the process necessary to write your own private organizational store so your users can browse and install your business apps onto their Windows 8 devices (desktops, laptops, and tablets).

■ TH14 Creating Cross Platform Games with Unity
– *Introductory / Intermediate*
Brian Lagunas
Thursday, October 9   *1:15 – 2:30pm*

If you are looking for fun and exciting apps to start writing for mobile devices, then you should consider games. Not a game developer? No problem! In this session Brian will cover all the basics of using the Unity game engine, and your current C# or JavaScript skills, to get you started writing games for a number of mobile platforms. We will look at how to navigate the Unity IDE, how to create scenes, add objects to our scenes, add game logic, and deploy your game. Come join Brian for this fun and interactive session were your games are only limited by your imagination.

You will learn:
• How to navigate the Unity IDE
• How to create scenes for your game
• How to create terrain
• How to add game logic with C# and JavaScript
• How to publish your game

■ TH18 Use Your .NET Code in WinRT with Brokered Assemblies – *Intermediate*
Rockford Lhotka
Thursday, October 9   *2:45 – 4:00pm*

One of the most exciting new features for business developers on Windows 8 is the introduction of "brokered assemblies". This technology allows your WinRT business app to call code in assemblies running in full .NET (outside the WinRT sandbox). In this session, you will learn how to create a brokered assembly, how to use it to take advantage of existing .NET assemblies and code, how to call your brokered assembly from WinRT, and how to install the brokered assembly and related assemblies so they are available to WinRT on each client device.

"THE 'WORST' PART WAS DECIDING WHICH SESSIONS TO GO TO WHEN THERE WERE MULTIPLE SESSIONS AT ONE TIME THAT I WANTED TO ATTEND! SPEAKERS WERE ALWAYS ACCESSIBLE AND AVAILABLE FOR QUESTIONS."

Seth Goldstein, SAVO

SESSION DESCRIPTIONS BY TRACK, CONTINUED

CLOUD COMPUTING

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

• Migrating Web apps to the cloud
• Hybrid clouds
• Windows Azure Web Sites (WAWS)

■ T12 Moving Web Apps to the Cloud
– Introductory / Intermediate
Eric D. Boyd
Tuesday, October 7   *1:30 – 2:45pm*

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

You will learn:
• Overview of common business challenges and scenarios that drive Cloud migration
• How to move traditional on-premise web apps to Windows Azure
• Architectural considerations for maximizing the value of the Cloud

■ T16 Solving Security and Compliance Challenges with Hybrid Clouds
– Introductory / Intermediate
Eric D. Boyd
Tuesday, October 7   *3:00 – 4:15pm*

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 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 an appropriate Hybrid technology

■ TH09 Cloud or Not, 10 Reasons Why You Must Know "Web Sites"
– Intermediate
Vishwas Lele
Thursday, October 9   *11:00am – 12:15pm*

From fast provisioning, to scalability, to continuous integration, Web Sites (Cloud and on-premises) technology is the fastest way to build web applications. In this session, we will look the 10 reasons why, as a web developer, you need to be up to speed with "Web Sites."

■ TH13 Loosely Coupled Applications with Service Bus and Document-centric Data Stores – *Intermediate*
Vishwas Lele
Thursday, October 9   *1:15 – 2:30pm*

Hopefully we can all agree that "loose coupling" is a good thing when it comes to software design. The benefits are obvious; we can change, remove, or add parts with minimal impact to the rest of the application. In this session, we will look at Service Bus and schema-less document centric stores as a way to realize a loosely coupled system.

TH17 Not Your Father's BizTalk Server: Building Modern Hybrid Apps with Windows Azure BizTalk Services
– Introductory / Intermediate
Rick Garibay
Thursday, October 9   *2:45 – 4:00pm*

Windows Azure BizTalk Services is a new breed of PaaS middleware capabilities (iPaaS) for building a new generation of applications and solutions that extend beyond the traditional business, network and security boundaries of the enterprise.

In this session, we'll wire up a responsive mobile web app to a back-end application residing behind the firewall using a low friction, RESTful approach. We'll cover how to map from your application domain to other system, application APIs and options for pushing data to multiple destinations including Windows Azure, Web Services, and FTP.

You will learn how WABS can take the pain out of sharing information behind the firewall, support many of the rich mapping capabilities you've come to expect from BizTalk making integration with 3rd party service providers and assets behind the firewall a breeze.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

WINDOWS PHONE

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

- Getting started with Windows Phone development
- Building games for Windows and Windows Phone

■ W07 Getting Started with Windows Phone Development – *Introductory*
Nick Landry
Wednesday, October 8   *11:00am – 12:15pm*

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

■ TH07 Building Your First Windows Phone 8.1 Application – *Introductory*
Brian Peek
Thursday, October 9   *9:30 – 10:45am*

Expand your mobile horizons with Windows Phone! Developing applications for the phone is quite similar to building XAML applications for other platforms. In this session, Brian will demonstrate the fundamentals of Windows Phone development while building a very simple application which covers all of the important points of the new platform's architecture, including the developer tools, device emulator and touch input. We will also discuss what's new with the Windows Phone 8.1 update and how you can use it to build better apps.

You will learn:
- How to develop XAML applications for Windows Phone
- How to effectively use the tools and device emulator
- About the new features Windows Phone 8.1 has to offer

■ TH11 Building Games for Windows and Windows Phone – *Introductory*
Brian Peek
Thursday, October 9   *11:00am – 12:15pm*

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

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

SESSION DESCRIPTIONS BY TRACK, CONTINUED

CROSS-PLATFORM MOBILE DEVELOPMENT

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

- Using Xamarin tools to leverage your C# code on iOS and Android
- Windows Azure Mobile Services
- iOS and Android for .NET Developers

■ W03 Getting Started with Xamarin
– Introductory
Walt Ritscher
Wednesday, October 8   *9:30 – 10:45am*

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

You will learn:
- Learn how to make shared codebase for apps running on iOS, Mac, Windows and Android platforms
- Discover the differences between Xamarin Studio and Visual Studio
- Find out how to start making Xamarin based applications

■ W11 The Great Mobile Debate: Native vs. Hybrid App Development
– Introductory
Nick Landry
Wednesday, October 8   *1:30 – 2:45pm*

It's not easy being a mobile developer. Android dominates the market, iOS is still the "benchmark" platform, Windows Phone and Windows are growing fast and firmly snatched third place, and we're not really sure if BlackBerry still matters. Do you focus on one platform or many? What size of the mobile population do you really want to reach? Each mobile platform comes with its own programming languages, SDKs, IDEs and application lifecycles and architectures. Are we really expected to learn all of this? Isn't HTML5 supposed to be the Silver Bullet so we can finally write apps once and run them everywhere?

This session will demystify all these questions, walking you through the modern mobile ecosystem, and explore your options as a developer. We'll review the native story on each major platform, discuss the pros & cons of both mobile native and web development, cover some of the most popular cross-platform solutions available to developers like Xamarin and PhoneGap, and explore best practices and guidelines to insure a successful mobile strategy. Don't just blindly pick a side or assume that "one size fits all", this session covers one of the most hotly contested debates in modern IT. Come join us and be a part of the conversation.

You will learn:
- About the specifics of native app development for iOS, Android, Windows 8 and Windows Phone
- About the available mobile cross platform development alternatives, such as PhoneGap & Xamarin
- About the pros & cons of each native platform and cross-platform approach, and when to use which based on various mobile strategy objectives

■ W15 Busy .NET Developer's Guide to iOS – *Introductory / Intermediate*
Ted Neward
Wednesday, October 8   *3:00 – 4:15pm*

Even if you're using Xamarin/MonoTouch to build an iOS application, there's still a lot of "Apple"-ness there that has to be understood and dealt with, starting the iOS documentation platform. In this session, we're going to go over just enough Java to get the .NET developer up to speed on what programming for iOS is like: the language, the virtual machine, the toolchain, the ecosystem, and most of all, the iOS APIs.

■ W19 Busy .NET Developer's Guide to Android – *Introductory / Intermediate*
Ted Neward
Wednesday, October 8   *4:30 – 5:45pm*

Even if you're using Xamarin/MonoDroid to build an Android application, there's still a lot of "Java"-ness there that has to be understood and dealt with, starting the Android documentation platform. In this session, we're going to go over just enough Java to get the .NET developer up to speed on what programming for Android is like: the language, the virtual machine, the toolchain, the ecosystem, and most of all, the Android APIs.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ TH03 Visual Studio 2013, Xamarin and Windows Azure Mobile Services: A Match Made in Heaven – *Introductory*
Rick Garibay
Thursday, October 9   *8:00 – 9:15am*

Secure, federated identity. A durable, reliable and scalable backend. Scalable messaging fabrics that unlock assets both in the cloud and behind the firewall. All of these are table stakes when delivering modern mobile enterprise applications. Whether you are building responsive web apps for devices or targeting iOS, Android, Windows Phone or Windows Store apps, as a mobile developer, you must focus on delivering a beautiful and functional user experience if you want your apps to be adopted. What if you could have all of this plus the power or Visual Studio 2013 and Windows Azure? Well, now you can!

Instead of reinventing the wheel each and every time you need to target a new device platform, learn how Visual Studio 2013 and Xamarin allows you to target iOS, Android and Windows devices while promoting reuse of code assets across platforms. And when you're done with the front-end work and are ready to wire up your mobile app, come see how Windows Azure Mobile Services provides a simplified stack that tackles security, durability, reliability and modern messaging all with just a few lines of code.

In this session, you'll learn how you can harness the power of Visual Studio 2013 with the flexibility of Xamarin and the power of Windows Azure Mobile Services to tackle all of your cross platform and back end chores quickly and easily so you can focus on what your users really care about.

"THE BROAD SET OF SUBJECTS AND CHOICE OF CLASSES IS WHAT I ENJOYED MOST, PLUS THE CHANCE TO MEET PEOPLE WITH SIMILAR SKILLS AND PROBLEMS TO SOLVE."

Federico Balbi, RNDC

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:

• Web Essentials and NuGet

• ASP.NET MVC 5

• ASP.NET Web API 2

• ASP.NET SignalR

■ T02 What's New in MVC 5 – *Intermediate*
Miguel Castro
Tuesday, October 7   *9:15 – 10:30am*

Well it's that time again when we get another new release from Microsoft on a series of platforms. Happily, the particular platform 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 to discuss; among which are Katana/Owin, Bootstrap, Security features, Scaffolding, and Miguel's favorite feature of all, Attribute Routing. So join the discussion and stir the pot of web development, yet again!

You will learn what's changed and what's new with MVC 5 and dev techniques for using new features.

■ T06 ASP.NET Reloaded: Web Forms vs. MVC vs. Web API – *Intermediate*
Dino Esposito
Tuesday, October 7   *10:45am – 12:00pm*

The One ASP.NET initiative is praiseworthy but you'll probably appreciate more its inherent cleanliness once you've clarified a few things about differences and practical scenarios that involve three apparently similar ways of doing the same old thing: building a web site using the Microsoft Web stack. In this talk, we discuss the business scenarios where Web Forms, ASP.NET MVC and Web API fit better. In particular, we'll focus on the reasons that make Web API and MVC look similar though they're radically different.

You will learn:
• Web Forms vs. MVC
• There are reasons to decouple the System.web API from your code
• Web API is the first step in an IIS-independent but still web-oriented world

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ T10 What's New in Web API 2
– Intermediate
Miguel Castro
Tuesday, October 7   *1:30 – 2:45pm*

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.

■ T14 Never Mind the Mobile Web; Here's the Device Web *– Intermediate*
Dino Esposito
Tuesday, October 7   *3:00 – 4:15pm*

Any web site can be accessed with any sort of device, including laptops, smartphones, tablets, glasses, and smart TVs. Obviously; your site must be responsive. But how do you get it to be responsive? Having separate web sites is a sure failure; you need a single web site that can offer different views. But what's the ideal way of switching views? Is Responsive Web Design enough? How does it really work? What are its hidden costs? In this session, Dino debunks some of the myths of Responsive Web Design and brings up the need for different HTML views. The rest of the talk is built around an ASP.NET MVC application demo that uses a popular framework (WURFL, used by Google and Facebook to name a few) to switch views intelligently based on device detection.

You will learn:
• The benefits and inherent flaws in Responsive Web Design
• About individual devices to optimize your site
• About frameworks for reliable and fast (and even free) device detection

■ W02 A Survey of Two Popular Visual Studio Tools - Web Essentials and NuGet *– Introductory*
John Petersen
Wednesday, October 8   *9:30 – 10:45am*

You know that Visual Studio is very extensible. There are thousands of Visual Studio related tools and extensions. Of all the choices you have, there are two that you should be familiar with - Web Essentials and NuGet. WebEssentials is a set of enhancements to the Visual Studio IDE that makes web development easier and more efficient. NuGet is a library dependency management system. More often, tooling updates for ASP. Web API, MVC, etc. are being delivered through NuGet. In this session, John will introduce these two extensions and will show you, with practical examples, how to get the most out of them.

You will learn:
• Visual Studio
• Developer Productivity
• Tools

■ W06 ASP.NET MVC - Rudiments of Routing
– Introductory / Intermediate
Walt Ritscher
Wednesday, October 8   *11:00am – 12:15pm*

The MVC routing engine is a core part of any ASP.NET MVC application. Get the MVC routing right, and your site will be a pleasure to use, simple to bookmark and rank high in search engine results. But getting it wrong can lead to subtle bugs. The session covers the fundamentals of routing, touching on custom routes, useful URL constraints and proper route error handling. You'll learn how to write Unit tests for routes, mock the framework with MOQ and how to debug problems in the route tables with Glimpse. You also see how to use the route data in your controllers. Finally, you'll examine the new Attribute routing features, which provide the mean to set route per Action method.

You will learn:
• Discover how to configure routes to your best advantage
• Learn the best strategies to unit test your route
• Explore server side route debugging with Glimpse
• Examine the Attribute routing changes

"I REALLY APPRECIATE THE TRACK FORMAT AND VARIETY OF TOPICS, SPEAKERS, AND CONTENT. I ALSO APPRECIATED THE EXPERIENCE AND PRESENTATION ABILITY OF THE SPEAKERS."

Scott Johnson, Recondo Technology

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ W10 Slice Development Time with ASP.NET MVC, Visual Studio, and Razor – *Intermediate*
Philip Japikse
Wednesday, October 8   *1:30 – 2:45pm*

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

You will learn:
• Create custom scaffolding for views and controllers
• Create custom Project Templates
• Leverage Razor for faster development using Functions, Helpers, Display and Editor templates

■ W14 Build Data Driven Web Sites with WebMatrix 3 and ASP.NET Web Pages – *Introductory / Intermediate*
Rachel Appel
Wednesday, October 8   *3:00 – 4:15pm*

WebMatrix is a free web development tool from Microsoft that features a complete stack (web server, database, and programming). It's lightweight, installs quickly, and has been designed to make things easy when building a web site from start to finish. In this presentation, you'll learn how to do the basics to get a web application up and running using WebMatrix and the Web Platform Installer, from start to deployment. We'll create a custom web app using HTML5, JavaScript and ASP.NET Web Pages that performs common actions like accessing data and using social media APIs.

You will learn:
• WebMatrix and how to use the WebMatrix IDE
• How to code ASP.NET Web Pages
• How to develop web sites

■ W18 Build Real Time Websites and Apps with SignalR – *Intermediate*
Rachel Appel
Wednesday, October 8   *4:30 – 5:45pm*

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

You will learn:
• How to use the SignalR libraries
• About polling and real-time development techniques
• About cross platform client connectivity

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

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

■ T01 Great User Experiences with CSS 3 – *Intermediate*
Robert Boedigheimer
Tuesday, October 7   *9:15 – 10:30am*

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:
• Add style to existing pages
• Use transitions and transformations for a more dynamic site
• Vendor prefixes (and strategies)
• Media queries and multi device support

SESSION DESCRIPTIONS BY TRACK, CONTINUED

■ T05 Using jQuery to Replace the Ajax Control Toolkit – *Intermediate*
Robert Boedigheimer
Tuesday, October 7   *10:45am – 12:00pm*

Many ASP.NET web sites first added client side functionality through the Ajax Control Toolkit (ACT), and now want to replace it with the popular jQuery framework. Learn the benefits of moving to jQuery, and discover a mapping between popular ACT controls and jQuery plugins.

You will learn:
• The basics of jQuery and plugins
• The benefits of jQuery vs. Ajax Control Toolkit
• jQuery alternatives for many ACT controls

■ T09 Build an Angular and Bootstrap Web Application in Visual Studio from the Ground Up – *Introductory / Intermediate*
Deborah Kurata
Tuesday, October 7   *1:30 – 2:45pm*

Angular is what HTML would have been had it been designed to build web applications. This session takes you step-by-step through the process of building an Angular application using Visual Studio. The session starts with an empty Visual Studio project and adds Angular features one by one so you can readily see how each feature works. We'll then style the application by adding Bootstrap. Along the way you will learn how to "think different" when building Web applications to get the most from Angular and Bootstrap.

You will learn:
• How to use Angular
• How to use Bootstrap
• How to "think different" when building
  a Web application using Angular

■ T13 JavaScript for the C# (and Java) Developer – *Intermediate*
Philip Japikse
Tuesday, October 7   *3:00 – 4:15pm*

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#

■ W01 Writing Next Generation JavaScript with TypeScript – *Intermediate*
Rachel Appel
Wednesday, October 8   *9:30 – 10:45am*

TypeScript is JavaScript evolved, so if you're writing in JavaScript, TypeScript is worth checking out. Come to this session and learn all about the TypeScript language from its object oriented features to its ES6-style capabilities. You also learn how to use TypeScript's language features that makes JavaScript application-scale and more manageable language for building websites and apps as well as how to leverage TypeScript in Visual Studio.

You will learn:
• The basics of the TypeScript language
• How TypeScript compares with JavaScript,
  CoffeeScript & Dart and when to use TypeScript
• How to do OOP in TypeScript for enterprise apps

■ W05 Building Single-Page Web Applications Using Kendo UI and the MVVM Pattern – *Intermediate*
Ben Hoelting
Wednesday, October 8   *11:00am – 12:15pm*

XAML developers love the Model-View View-Model (MVVM) pattern. Kendo is a JavaScript framework that enables this pattern for web based applications. It takes the client side coding model developers are familiar with and provides it to the web world. This talk will define the MVVM pattern and the benefits of using it. It will also show how you can use Kendo UI, ASP.NET MVC and Kendo's Single-Page Application Framework to build responsive, robust applications that feel like desktop applications.

You will learn:
• MVVM Pattern
• The Kendo Framework and why to use it
• How to build a Single-Page Application
  using Kendo, MVVM and ASP.NET MVC

■ W09 Introduction to AngularJS – *Introductory / Intermediate*
John Petersen
Wednesday, October 8   *1:30 – 2:45pm*

Whenever JavaScript frameworks are discussed, AngularJS is likely to be a big part of the discussion. Angular may be what you need. Then again, it may not be what you need. To make an informed decision about any tool, library or framework, you need some basic, unbiased information about that tool, library or framework. In this session, John will introduce you to AngularJS, its core principles and how to begin building applications with it. Angular is what's known as an "Opinionated" framework - meaning that it has some definite opinions on how web-based single page applications should be built. That is not to say that Angular isn't flexible and extensible - it is. The opinions upon which

SESSION DESCRIPTIONS BY TRACK, CONTINUED

Angular is based need to be embraced in order to get the most out of Angular. For example, Angular was built from the ground up with testability in mind. Angular was built to be a standalone without dependencies on other libraries and frameworks. John will introduce you to how to use Angular from within the Visual Studio context and outside the Visual Studio context. This isn't going to be a session on why AngularJS is better than tool X or Y. Instead, if you are looking for an introduction to what AngularJS is and information to make up your own mind as to whether or not to add it to your web toolkit, this is a session you will want to attend.

You will learn:
• AngularJS
• JavaScript
• CSS
• HTML5
• Web Development

■ W13 Creating Angular Applications Using Visual Studio LightSwitch
– Introductory / Intermediate
Michael Washington
Wednesday, October 8   *3:00 – 4:15pm*

You can consume your back-end OData Visual Studio LightSwitch services in AngularJs. Coding your business layer in LightSwitch will save you a lot of development time and reduce the code you will be required to write.

You will learn:
• How to use JayData, a unified data access library for JavaScript that will be used to allow AngularJs to read and write to the LightSwitch OData layer
• How to read, write, update, and delete data
• How to properly implement security

SHAREPOINT/OFFICE
While conventional Office and SharePoint development are specialties in and of themselves, understanding the new Office/SharePoint application development model is highly valuable for any .NET developer. This track includes:

• Visual Studio Cloud Business Apps

• Building Apps for Office Using HTML/JavaScript

■ TH15 Visual Studio Cloud Business Apps *– Introductory*
Michael Washington
Thursday, October 9   *1:15 – 2:30pm*

Microsoft has introduced the Cloud Business App project type that uses Visual Studio LightSwitch technology to allow you to create applications for SharePoint. With it, you can build social, touch-centric, cross-platform SharePoint 2013 and Office 365 business applications. This technology allows you to create applications in minutes that would normally take you hours.

You will learn:
• How to create business applications for Office 365 / SharePoint online
• How to program, debug, configure and deploy Cloud Business applications
• How to incorporate document libraries, in your application and post to the SharePoint newsfeed

■ TH19 Best Practices: Building Apps for Office Using HTML/JavaScript *– Intermediate*
Mark Michaelis
Thursday, October 9   *2:45 – 4:00pm*

Office 2013 supports an entirely new type of application - Apps for Office 2013 - that leverages JavaScript, HTML5, and CSS. In this session, we introduce the new App for Office 2013 development platform outlining the types of applications that can be built, the details around how to build them. Whether you are looking to extend Word, Outlook, Excel, Project, or PowerPoint - Apps for Office provides a new platform that runs across a myriad of devices. Attend this session to learn how to build applications that run both in the browser or the Office 2013 (rich) clients.

You will learn:
• An overview of a new development platform that extends Microsoft office applications
• The different types of Apps for Office and how to create each
• How to create each of the types of Office applications and the internals of how they work

SESSION DESCRIPTIONS BY TRACK, CONTINUED

SQL SERVER

SQL Server 2014 is here, and 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 for application developers
- SQL Server 2014 In-memory OLTP
- Power BI and HDInsight/Big Data
- SQL Server Data Tools (SSDT)

■ T07 Introduction to In Memory OLTP Using Hekaton in SQL Server 2014 -
Introductory / Intermediate
Kevin Goff
Tuesday, October 7   *10:45am – 12:00pm*

Hekaton is Microsoft's code word for their new OLTP in-memory, optimized data processing option for frequently-used tables in SQL Server 2014. In certain instances, Hekaton can yield performance gains of over 10x. This session will cover the benefits of Hekaton, why developers and DBAs would want to use Hekaton, and the different options for creating Hekaton tables. We'll also look at the native-code stored procedure optimizations when using Hekaton. Additionally, this session will show the range and limitations of Hekaton and how it differs from traditional SQL Server tables (such as transaction handling). Along the way, the session will have several code demonstrations where we'll look at performance benchmarks. If you've heard about Hekaton and in-memory optimizations and terms such as 'latch and lock free structures' and wondered what it all means, this session is for you!

You will learn:
- The different options Microsoft provides for Hekaton tables
- The benefits of Hekaton and in what scenarios you can maximize performance gains
- How Hekaton differs from traditional SQL Server tables

■ W04 SQL for Application Developers - Attendees Choose –
Introductory / Intermediate
Kevin Goff
Wednesday, October 8   *9:30 – 10:45am*

That's right, attendees choose! I'll show 25 possible topics on the screen, and the attendees vote on which topics we will cover. Everything from isolation levels to ranking, table-valued functions, querying temporal data, instances where sub-queries are necessary, update triggers, reading execution plans, and even the new analytic functions in SQL 2012 along with common gotchas in T-SQL programming when aggregating multiple child tables. The good news is that you'll walk away with 25 code samples, even though we'll only cover a portion of them in the presentation.

You will learn:
- The new language enhancements in SQL 2012
- Where sub-queries are necessary
- Gain some appreciation of performance optimization

■ W08 Database Development with SQL Server Data Tools – *Intermediate*
Leonard Lobel
Wednesday, October 8   *11:00am – 12:15pm*

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

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

You will learn:
- Learn the benefits of database development with SSDT's declarative model-based architecture
- Understand the various SSDT features and capabilities (explorer, designers, schema compare, local database runtime, language services, debugging, and buffered editing)
- See live demonstrations of how to design, test, and deploy on-premises data-bases, offline database projects, and Windows Azure SQL databases in the cloud all from inside Visual Studio

SESSION DESCRIPTIONS BY TRACK, CONTINUED

◼ W12 Learning Entity Framework 6
– Intermediate
Leonard Lobel
Wednesday, October 8   1:30 – 2:45pm

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

We'll begin with a quick introduction to ORM and EF, and then explain many of the special ORM features in EF6, such as the Entity Data Model (EDM), and support for table splitting, inheritance, entity splitting, and many-to-many relationships.

With the basics covered, Lenni will then dive right into live demos that show what EF can do for you as a data access layer, using database-first, model-first, and code-first approaches with both direct SQL and stored procedures. We'll also discuss new features introduced in EF6, and show how to use EF in N-Tier scenarios.

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

◼ TH01 Excel, Power BI and You: An Analytics Superhub *– Intermediate*
Andrew Brust
Thursday, October 9   8:00 – 9:15am

In this session, you will look at the analytics capabilities in the core Excel product and the combination of Excel 2013 Data Model, Power Pivot, Power View, Power Query and Power Map and learn how to use them together.

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

◼ TH05 Big Data 101 with HDInsight
– Intermediate
Andrew Brust
Thursday, October 9   9:30 – 10:45am

HDInsight is the name of Microsoft's distribution of Apache Hadoop, the essential and defining technology of the Big Data world. HDInsight runs 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

CONFERENCE SPEAKERS

ADVISORY BOARD

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

Andrew Brust is Research Director for Big Data and Analytics at Gigaom Research. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; co-moderator of Big On Data - New York's Data Intelligence Meetup; serves as Microsoft Regional Director and MVP; and writes the Redmond Review column for VisualStudioMagazine.com.

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.

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.

Jason Bock
Practice Lead, Magenic

Jason Bock is a Practice Lead 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 "Metaprogramming in .NET", "Applied .NET Attributes", and "CIL Programming: Under the Hood of .NET". 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). Jason holds a Master's degree in Electrical Engineering from Marquette University. Visit his web site at http://www.jasonbock.net.

CONFERENCE SPEAKERS, CONTINUED

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 understanding 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 Sotware. 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.

Dino Esposito
CTO, eTennis.NET

An architect and a trainer, Dino is the author of many popular books for Microsoft Press that helped the professional growth of thousands of .NET developers and architects. A long-time trainer and top-notch consultant, Dino currently applies his expertise to the sports and media industries, among the first to seize the opportunity of Web and mobile integrated development. Dino has written several popular books, including Programming Microsoft ASP.NET 4, and is coauthor of Microsoft .NET: Architecting Applications for the Enterprise. He's also a regular contributor to MSDN Magazine and speaks at industry events such as Microsoft TechEd.

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.

Kevin Goff
Practice Manager, SetFocus, LLC

Kevin S. Goff is a Microsoft SQL Server MVP, SQL Server/Business Intelligence Practice Manager for SetFocus LLC, author of 2 books, regular columnist for CoDe Magazine on .NET, SQL Server, and Business Intelligence topics, and a frequent speaker at community events in the Mid-Atlantic region. Kevin was a .NET MVP in C# from 2005 to 2009, and has been a SQL Server MVP since 2010. You can find out more about Kevin at www.kevinsgoff.net.

CONFERENCE SPEAKERS, CONTINUED

Ben Hoelting
Director of Technology, Aspenware

Director of Technology for Aspenware, C# MVP and Telerik Insider. 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. His most recent projects include a XAML line of business application that uses the ADO.NET Entity Framework to access the backend data store. He also is working on an MS Office automation project as well as geospatial ASP.NET MVC website. Ben is a Microsoft Certified Technology Specialist (MCTS) for Web and Windows .NET 4.0. His blog is at http://www.benhblog.com and his twitter stream is at http://twitter.com/benhnet. Finally, Ben is very involved in the local .NET community and is the leader of the South Colorado .NET User Group.

Richard Hundhausen
Consultant & Trainer, Accentient

Richard has over 30 years of software development experience and over 20 years of training experience. Richard is a Microsoft Regional Director, a Visual Studio ALM MVP, a certified Professional Scrum Trainer, and author of several software development books including Professional Scrum Development with Microsoft Visual Studio 2012 by Microsoft Press.

Philip Japikse
Principal Architect, InterKnowlogy

An international speaker, Microsoft MVP, ASPInsider, 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 is the Principal Architect for InterKnowlogy (http://www. InterKnowlogy.com), helping an amazing team create high impact software experiences. 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 professional conferences. You can follow Phil on twitter via "http://www.twitter.com/skimedic" www.twitter.com/skimedic and read his blog at "http://www.skimedic.com/blog" www.skimedic.com/blog.

Deborah Kurata
President, InStep Technologies, Inc.

Deborah Kurata is cofounder of InStep Technologies Inc., a professional consulting firm that focuses on turning your business vision into reality using Microsoft .NET technologies. She has over 15 years of experience in architecting, designing, and developing successful applications. Deborah has authored several books, including the "Doing Objects in Visual Basic" series (Addison-Wesley), "Best Kept Secrets in .NET" (Apress) and "Doing Web Development: Client-Side Techniques" (Apress). Deborah speaks at conferences such as VSLive, DevDays, and TechEd. For her work in support of software development and software developers, she has been recognized with the Microsoft Most Valuable Professional (MVP) award. After a hard day of coding and taking care of her family, Deborah enjoys blowing stuff up (on the XBox of course).

Brian Lagunas
Product Manager, Infragistics

Brian Lagunas is a Microsoft MVP, a Microsoft Patterns & Practices Champion, an INETA Community Speaker, co-leader of the Boise .Net Developers User Group (NETDUG), board member of Boise Code Camp, and original author of the Extended WPF Toolkit. He is a multi-recipient of the Microsoft Community Contributor Award and can be found speaking at a variety of user groups and code camps around the nation. His talks always involve some form of XAML, such as WPF, Silverlight, and Windows 8, as well as how to build modular applications with Prism.

Brian currently works at Infragistics as a Product Manager for the award winning NetAdvantage for WPF and Silverlight components, and the new NetAdvantage for Windows UI control suite. This is where he helps build tools that empower developers to quickly and easily build and style dynamic applications with immersive UX and vibrant data visualization in line of business applications, across all XAML platforms. Prior to working at Infragistics he worked in the construction and engineering industry as a senior software engineer and software solution architect where he specialized in enterprise application development. Before geeking out, Brian served his country in the United States Army as an infantryman and later served his local community as a deputy sheriff.

In his spare time he authors courses for Pluralsight, blogs about XAML technologies, and hosts XAML TV. The easiest way to find Brian is on twitter at @BrianLagunas.

CONFERENCE SPEAKERS, CONTINUED

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. 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. 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. Blog: www.AgeofMobility.com – 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.

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, IntelliTect

Mark Michaelis (http://IntelliTect.com/Mark) is the founder of IntelliTect 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.

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.

CONFERENCE SPEAKERS, CONTINUED

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.

John Petersen
National Solutions Director, Neudesic

John Petersen has been developing software for over 20 years. It all started when, as a staff accountant, he was asked to get involved in a system upgrade to replace an old IBM Series 1 computer (about the size of a large refrigerator!). Those first programs were written in Clipper, summer 87. Since that time, tools included dBase, FoxBase, Visual FoxPro and Visual Basic. An early adopter of .NET, he then decided to go to law school. After practicing law for a few years, John realized that technology was a lot more interesting than the law. Today, John focuses on ASP.NET development and is having more fun than ever solving for clients. John is a Practice Director for Custom Application Development at Neudesic, a Microsoft Gold Partner and the Trusted Technology Partner in Business Innovation. A nine time recipient of Microsoft's Most Valuable Professional Award, John is a current ASP.NET/IIS MVP. John is also an ASP Insider and is the INETA Mentor for PA and WV. John is the author of several books and is a frequent contributor to Code Magazine. John holds a BS in Business Administration from Mansfield University, an MBA in Information Systems from St. Joseph's University and a JD from the Rutgers School of Law - Camden.

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).

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 Devel-oper" book avalable 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).

Michael Washington
Founder, LightSwitchHelpWebsite.com

Michael Washington is the founder of LightSwitchHelpWebsite.com. He is an ASP.NET, C#, and Visual Basic programmer. He has extensive knowledge in process improvement, billing systems, and student information systems. He is a Microsoft MVP. He is the author of Creating Web Pages Using the LightSwitch HTML Client: In Visual Studio 2012, Creating Visual Studio LightSwitch Custom Controls (Beginner to Intermediate), and OData and Visual Studio LightSwitch Using ASP.NET / Windows Phone / jQuery / datajs / Knockout. Michael has a son, Zachary and resides in Los Angeles with his wife Valerie.

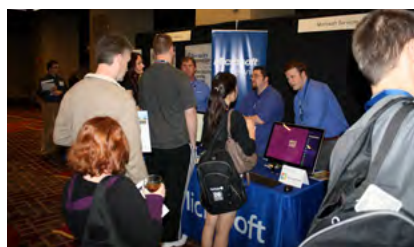## VISUAL STUDIO LIVE! WASHINGTON, D.C. SPONSORS

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Tampa Bay Virtualization User Group
The Tampa Bay Virtualizations Users Group (TBVUG) is focused on the latest virtualization technologies, cloud computing, management software, and related certifications to help IT professionals and anyone interested in these technologies to network together and share their knowledge and expertise to the group.

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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.

VISUAL STUDIO LIVE! WASHINGTON, D.C. SPONSORS

Visit the Visual Studio Live! Washington, D.C. website at **www.vslive.com/dc** for the growing list of sponsors and exhibitors.

MEDIA PARTNERS

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

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

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.

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.

Chicago Visual Studio ALM User Group
Chicago Visual Studio ALM User Group, where the Chicagoland ALM community comes to collaborate and learn - http://chicagoalmug.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/

Federal SharePoint User Group
The mission of FEDSPUG is to establish a community for the Federal Government civilian agencies, military users and contractors to discuss and collaborate on SharePoint best practices and evolving technologies. For more information about our organization please visit www.fedspug.org

Women in SharePoint DC
Women in SharePoint DC is a Special Interest Group of FEDSPUG dedicated to supporting IT women in the Metro DC area. For more information about our organization please visit www.womeninspdc.org

Tech Valley .NET User Group
Tech Valley .NET User Group is a user group for .NET developers in the greater Tech Valley region of upstate New York. Our topics cover all things that relate to Microsoft .NET technologies. Meetings occur every 2nd Tuesday of the month at 630pm. See our website at http://www.tvug.net or our Meetup page at http://www.meetup.com/TechValleyNETUserGroup/ for more details!

VENUE & TRAVEL

Visual Studio Live! heads to the U.S. capital for four days of intense developer training. The Washington Marriott Metro Center, centrally located in the heart of this diverse, cosmopolitan city, will serve as our headquarters. Join us to sharpen your .NET skills AND get the chance to discover this country's rich history just steps from the front door: the Mall and National Archives to the South; the White House to the West; and Mt Vernon Square to the North. Plus, the Metro Center to the East of the hotel is the easiest way to get around inside the Capital Beltway!

Washington Marriott at Metro Center
775 12th St NW
Washington, DC 20005

Special Visual Studio Live! Attendee Rate: $215
Book by: September 12, 2014
Book your room online; or call Reservations at 800.228.9290 and ask for the Visual Studio Live! Room Block. The offer is subject to room availability, so make sure to book early.

The room rate of $215 per night excludes the Washington, D.C. sales tax of 14.5%.

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Parking
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Valet parking - $47.20

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PMI Parking - 1325 G St NW - $25.00 (24 hours)

LAZ Parking - 700 13th Street NW - $18.00 per day (no overnight)

Parking prices subject to change.

Travel Discounts
American Airlines is offering a 5% discount to Visual Studio Live! Washington, D.C. attendees for travel to Washington, D.C. (DCA, IAD, BWI). Valid Travel Dates: 9/30/2014 - 10/15/2014. To book your discounted ticket online go to www.aa.com and enter your Offer Code 7794BT 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! Washington, D.C. 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.

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

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Register now at www.vslive.com/dc

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Turn to page 33 for pricing details.

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

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ONE-DAY WORKSHOP PASS $495

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Bring a group to Visual Studio Live! Washington, D.C. and save BIG!

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For questions or register your group, please call 972.304.5380

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• 4-day Best Value Conference Pass
• 4 nights at the Washington Marriott at Metro Center (Room and tax only) - available Sunday night (October 5) through Wednesday night (October 8), departing Thursday (October 9).

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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.

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