Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

Las Vegas MARCH 16 - 20
BALLY'S HOTEL & CASINO LAS VEGAS, NV

NAVIGATE THE .NET HIGHWAY

LAS VEGAS
Code Trip

NAVIGATE THE .NET HIGHWAY

Code on the Strip

5 Days of Educational Sessions and Workshops!

Bonus Content
Modern Apps LIVE!
Presented in Partnership with **Magenic**

TRACK TOPICS:

- ➤ ASP.NET
- ➤ JavaScript / HTML5 Client
- ➤ Visual Studio / .NET Framework
- ➤ Database and Analytics
- ➤ Cross-Platform Mobile Development
- ➤ Modern Application Development
- ➤ Cloud Computing
- ➤ SharePoint Cloud Business Apps
- ➤ Windows Client
- ➤ Windows Phone

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A MESSAGE FROM THE CONFERENCE CO-CHAIRS

IT'S AN EXCITING TIME to be a .NET Developer. Microsoft has open sourced .NET and partnered closely with Xamarin to get .NET onto non-Windows platforms. The company has created a major new version of ASP.NET (vNext), evolved Microsoft Azure at breathtaking speed, and provided amazing new ALM capabilities in Visual Studio, TFS, and Visual Studio Online. This just scratches the surface of all the ongoing activity!

We're Andrew Brust, Rocky Lhotka, and Brian Randell, Conference Co-Chairs for Visual Studio Live! Las Vegas, and we'd like to personally invite you to join us this March at Bally's Hotel & Casino in Las Vegas. We'll have some of the best content and speakers that you'll find at any technical conference, covering the topics that are important to you.

If you're a .NET smart client developer, WPF, Windows Runtime (WinRT), Universal Apps, Shared Projects, Portable Class Libraries, and Xamarin are all critical technologies you need to know.

If you're a web developer, Microsoft's new ASP. NET vNext is a tremendous change, improving on the capabilities of ASP.NET. Leveraging vNext means learning a lot of new concepts and techniques that are critical to success.

If you're a Single Page Application (SPA) JavaScript developer, this is one of the most exciting and rapidly changing areas of technology. You can never rest on your existing knowledge because there's always something new you must learn to remain current.

If you're a mobile developer, whether you build native apps, .NET apps with Xamarin, or HTML/JavaScript apps with Cordova or PhoneGap, you need to remain current on the latest tools and technologies to provide your customers and users with the best apps you can create.

If you're working with SQL Server for your transactional, line of business needs, or if you're work with data demands more capabilities and reach, we've got you covered with an entire track devoted to database and analytics.

Regardless of what types of apps you create, you need solid process, testing, source code management, and tooling to make you and your team truly effective. We've got content covering Visual Studio 2013 and 2015's ALM capabilities and Git support, TFS and Visual Studio Online from several angles, web-based testing, and more.

Then there's Microsoft Azure, which affects us all, no matter what type of app creation you specialize in. The capabilities steadily grow while the costs decrease, but with continual enhancements, there's always something new to learn. The value of Azure is something you can't afford to ignore, especially if you have an MSDN subscription.

As a bonus, Visual Studio Live! is co-located with the one-of-a-kind Modern Apps Live! conference. Modern Apps Live! sessions build on each other as the week progresses, focused on building business apps for iOS, Android, and Windows using Microsoft Azure, Visual Studio Online, with an emphasis on UX design. You'll have access to both conferences at no additional charge!

There's nothing like being in the same room with a speaker as they cover key technologies. Having access to speakers in person during sessions, in the hallway, or over lunch is something you can't get from Internet-based content or other live events.

Your career deserves the content and interaction you'll find at Visual Studio Live! Las Vegas.

We hope to see you there!

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

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

Brian A. Randell
Partner, MCW Technologies
Visual Studio Live! Conference Co-Chair

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REASONS TO ATTEND
Visual Studio Live!
Las Vegas

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GO ALL IN!
Code and Cruise the Strip at Visual Studio Live! Headquarters Bally's Hotel & Casino.

9
YOU GOTTA BEAT THE TRAFFIC TO STAY AHEAD — get up to speed on what's happening on the .NET developer landscape now, and learn what's coming next to get out ahead of the competition.

8
LEARN FROM LIKE MINDS — From the networking breakfasts, to evening activities, to just sitting next to someone new at lunch, you'll have the unique chance to learn from and share with your peers, all week long!

7
ACCESSIBLE EXPERTS — What separates Visual Studio Live! from other conferences (and internet-based training) is the unparalleled access to the speakers. Get your questions answered in-between sessions, during meals and at fun evening events.

6
REV UP AND FINISH STRONG with Full-Day Workshops — Get two days (pre and post conference) of education on the hottest topics on the .NET Highway.

5
USE YOUR MIRRORS: Perspective from All Sides — Our speakers include both unbiased industry experts and Microsoft insiders, so you'll hear every side of the story on the most recent software and industry updates.

4
WE PUT THE VISUAL STUDIO IN VISUAL STUDIO LIVE! The Microsoft .NET 4.5 framework includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 provides powerful features around debugging, architecture, and application lifecycle management (ALM). We'll give you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and VSO today and into the future.

3
FILL UP ON CONTENT. We offer 5 days of educational sessions on hot topics like Modern App Development, WCF, Web API, ASP.NET MVC5, jQuery, Knockout.js, ALM, Visual Studio 2013, AngularJS, Entity Framework, and more!

2
WE PUT YOU IN THE DRIVER'S SEAT — With over 90 sessions and workshops in a variety of tracks, you're in control of what sessions you attend and when. You aren't bound to any one session or track!

1
NAVIGATE THE .NET HIGHWAY. We'll help you avoid common road blocks and cruise through your current projects with ease. For over 22 years, Visual Studio Live! has been THE resource for .NET developer-focused education!

Recreational Pit Stops:

VISUAL STUDIO LIVE! LAS VEGAS ACTIVITIES AND EVENTS

YOUR ATTENDANCE AT VISUAL STUDIO LIVE! LAS VEGAS is about learning from your peers as well as the experts; take a break from the road, stretch your legs, and add these events to your itinerary!

DINE-A-ROUND DINNER
Monday, March 16,
7:00pm – 9:00pm
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 or around Bally's Hotel & Casino. This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Groups can break into smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

Attending speakers include Nick Landry, Phil Japikse, Brian Randell and Marcel de Vries.

WELCOME RECEPTION
Tuesday, March 1,
5:30 – 7:00pm
All conference attendees are invited to celebrate the start of Visual Studio Live! Las Vegas at the 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, March 18,
12:00 – 1:15pm
Enjoy lively lunchtime discussions by joining one of our table topic conversations. Tables will have a designated topic to help start discussions and interact with your fellow attendees. You may even learn a new trick or two or some great tips to take back to the office with you.

We will also have designated speaker tables—noted with the speakers name. Join your favorite speaker for a lunchtime discussion or just to ask questions or clarify anything from their sessions.

All seating is on a first come basis. Enjoy!

Dine-A-Round Dinner

Welcome Reception

Birds of a Feather Lunch

VISUAL STUDIO LIVE! LAS VEGAS EVENTS (continued)

SPONSORED BY **amazon** web services

High Roller Evening Out

Wednesday, March 18
7:30pm – 9:00pm

EVERYONE WANTS TO BE A HIGH ROLLER IN VEGAS, RIGHT? This special event gives you that opportunity, courtesy of Visual Studio Live! and Amazon Web Services. Join us Wednesday evening at the base of the amazing High Roller, the world's tallest observation wheel! Located a short distance away from our host hotel, enjoy complimentary cocktails, dessert, a live DJ, plus the chance to ride the High Roller beginning at 8:00 pm. This is an experience you won't want to miss!

About the High Roller
Redefining the iconic Las Vegas skyline, the High Roller is the world's tallest observation wheel. Topping out at 550 feet and measuring 520 feet in diameter, the High Roller eclipses both the London Eye and Singapore Flyer. Facing north and south (parallel to Las Vegas Boulevard), the wheel features 28 glass-enclosed cabins that unveil broad views of the famed-resort city in the 30 minutes it takes to complete one full revolution.

AGENDA AT-A-GLANCE

ASP.NET	Cloud Computing	Cross-Platform Mobile Development	Database and Analytics	JavaScript / HTML5 Client	SharePoint Cloud Business Apps	Visual Studio / .NET Framework	Windows Client	Windows Phone	Modern Apps Live!

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START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, March 16, 2015 (Separate entry fee required)			
7:30 AM	9:00 AM	Pre-Conference Workshop Registration — Coffee and Morning Pastries			
9:00 AM	6:00 PM	**M01** Workshop: Native Mobile App Development for iOS, Android and Windows Using C# - Marcel de Vries & Roy Cornelissen	**M02** Workshop: Deep Dive into Visual Studio 2013, TFS and Visual Studio Online - Brian Randell	**M03** Workshop: UX Design Process Essentials – Steps and Techniques - Billy Hollis	**M04** Workshop: Modern App Technology Overview - Android, iOS, Cloud, and Mobile Web - Nick Landry, Kevin Ford, & Steve Hughes
6:45 PM	9:00 PM	Dine-A-Round with speakers Marcel de Vries, Phil Japikse, Nick Landry & Brian Randell			

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, March 17, 2015					
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries					
8:00 AM	9:00 AM	KEYNOTE: Coming Soon in Visual Studio, .NET, and Azure - John Montgomery, *Director of Program Management, Visual Studio Platform, Microsoft*, and **Kieran Mockford**, *Architect, Microsoft*					
9:15 AM	10:30 AM	**T01** An Overview of the Xamarin Programming Platforms - Laurent Bugnion	**T02** JavaScript for the C# (and Java) Developer - Philip Japikse	**T03** What's Up with ASP.NET vNext (Who Moved My Cheese?) - Mark Michaelis	**T04** Cloud or Not, 10 Reasons Why You Must Know "Web Sites" - Vishwas Lele	**T05** New IDE and Editor Features in Visual Studio - Deborah Kurata	**T06** Defining Modern App Development - Jason Bock
10:45 AM	12:00 PM	**T07** Building Cross-Platform Applications with XAML, Xamarin, Xamarin.Forms and MVVM Light - Laurent Bugnion	**T08** Write Next Generation, Object Oriented JavaScript, with TypeScript - Rachel Appel	**T09** Visual Studio Online: An Update Every Three Weeks - Brian Randell	**T10** Azure 10-10: Top 10 Azure Announcements in "T-10" Months - Vishwas Lele	**T11** Defensive Coding Techniques in C# - Deborah Kurata	**T12** Modern App Architecture - Brent Edwards
12:00 PM	1:30 PM	Lunch — Visit Exhibitors					
1:30 PM	2:45 PM	**T13** Mobile Apps for the JavaScript Developer - Ryan J. Salva	**T14** It's the Top 10 of Cool HTML5 Features Every Developer Should Know Right Now - Gill Cleeren	**T15** ASP.NET MVC For The WebForms Developer - Philip Japikse	**T16** Busy Developer's Guide to NoSQL - Ted Neward	**T17** Moving DevOps to the Cloud Using Visual Studio Online, Release Management Online, and Azure - Donovan Brown	**T18** ALM with Visual Studio Online (TFS) and Git - Brian Randell
3:00 PM	4:15 PM	**T19** Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap - Ben Dewey	**T20** I Just Met You, and "This" is Crazy, But Here's My NaN, So Call (me) Maybe? - Rachel Appel	**T21** Slice Development Time With ASP.NET MVC, Visual Studio, and Razor - Philip Japikse	**T22** Busy Developer's Guide to Six Developer Cloud Platforms - Ted Neward	**T23** Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI - Marcel de Vries	**T24** Reusing Logic Across Platforms - Kevin Ford
4:15 PM	5:30 PM	Welcome Reception					

AGENDA AT-A-GLANCE (continued)

ASP.NET	Cloud Computing	Cross-Platform Mobile Development	Database and Analytics	JavaScript / HTML5 Client	SharePoint Cloud Business Apps	Visual Studio / .NET Framework	Windows Client	Windows Phone	Modern Apps Live!

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START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, March 18, 2015							
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries							
8:00 AM	9:00 AM	KEYNOTE: Fifty Shades of Blur—Adapting to the Age of Cloud, IoT, and Modern UI - Billy Hollis, *Next Version Systems*							
9:15 AM	10:30 AM	**W01** Cross-Platform Mobile Apps Using AngularJS and the Ionic Framework *- Ben Dewey*	**W02** Getting Started with jQuery and How it Works Together with ASP.NET WebForms and MVC *- Gill Cleeren*	**W03** ASP.NET vNext in All Its Glory *- Adam Tuliper*	**W04** T-SQL for Application Developers - Attendees Choose *- Kevin Goff*	**W05** Using Microsoft Application Insights to Implement a Build, Measure, Learn Loop *- Marcel de Vries*			**W06** Coding for Quality and Maintainability *- Jason Bock*
10:45 AM	12:00 PM	**W07** Build Cross-Platform Apps with Shared Projects, CSLA .NET, and C# *– Kevin Ford*	**W08** Build Data-Centric HTML5 Single Page Applications with Breeze *- Brian Noyes*	**W09** Understanding the Power of ASP.NET MVC vNext *- Ben Hoelting*	**W10** SQL Server Reporting Services for Application Developers - Attendees Choose *- Kevin Goff*	**W11** Build It and Ship It with TFS and Release Management *- Brian Randell*			**W12** Start Thinking Like a Designer *- Anthony Handley*
12:00 PM	1:30 PM	Birds-of-a-Feather Lunch — Visit Exhibitors							
1:30 PM	2:45 PM	**W13** Building Your First Universal Application for Windows Phone and Windows Store *- Brian Peek*	**W14** Busy Developer's Guide to MEANJS *- Ted Neward*	**W15** Improving Web Application Performance *- Ben Hoelting*	**W16** A Tour of Azure for Developers *- Adam Tuliper*	**W17** Programming C# 6.0 *- Mark Michaelis*			**W18** Applied UX: iOS, Android, Windows *- Anthony Handley*
3:00 PM	4:15 PM	**W19** Getting Started with Windows Phone 8.1 Development *- Nick Landry*	**W20** Creating Angular Applications Using Visual Studio LightSwitch *- Michael Washington*	**W21** *To Be Announced*	**W22** 10 Ways to Guarantee Your Azure Project Will Fail! *- Michael Collier*	**W23** Building Games for Windows and Windows Phone Using Unity and Other Frameworks *- Brian Peek*			**W24** Leveraging Azure Services *- Kevin Ford*
4:30 PM	5:45 PM	**W25** Strike Up a Conversation with Cortana on Windows Phone *- Walt Ritscher*	**W26** JavaScript Patterns for the C# Developer *- Ben Hoelting*	**W27** WCF & Web API: Can We All Just Get Along?!? *- Miguel Castro*	**W28** Intro to Azure API Management *- Michael Collier*	**W29** The Busy Developers Guide to Virtualization with Hyper-V *- Brian Randell*			**W30** Advanced Modern App Architecture Concepts *- Marcel de Vries*
7:30 PM	9:00 PM	High Roller Evening Out *Sponsored by* **amazon** web services							

AGENDA AT-A-GLANCE (continued)

ASP.NET	Cloud Computing	Cross-Platform Mobile Development	Database and Analytics	JavaScript / HTML5 Client	SharePoint Cloud Business Apps	Visual Studio / .NET Framework	Windows Client	Windows Phone	Modern Apps Live!

Presented in Partnership with
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START TIME	END TIME	Visual Studio Live! Day 3: Thursday, March 19, 2015							
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries							
8:00 AM	9:15 AM	**TH01** Building Windows Universal Apps for Smartphones and Tablets with XAML & C# – *Nick Landry*	**TH02** AngularJS for ASP.NET MVC Developers - *Miguel Castro*	**TH03** Fiddler and Your Website - *Robert Boedigheimer*	**TH04** SQL Server in Azure Virtual Machines - *Eric D. Boyd*	**TH05** Managing the .NET Compiler - *Jason Bock*		**TH06** Building for the Modern Web with Single Page Applications - *Allen Conway*	
9:30 AM	10:45 AM	**TH07** UX Design Principle Fundamentals for Non-Designers - *Billy Hollis*	**TH08** Securing Angular Apps - *Brian Noyes*	**TH09** Web Essentials - *Robert Boedigheimer*	**TH10** Microsoft Azure SQL Database - SQL Server in the Cloud - *Leonard Lobel*	**TH11** Real World Scrum with Team Foundation Server 2013 & Visual Studio Online - *Benjamin Day*		**TH12** Building a Modern App with Xamarin – *Nick Landry*	
11:00 AM	12:15 PM	**TH13** XAML: Achieving Your Moment of Clarity - *Miguel Castro*	**TH14** Unit Testing JavaScript Applications - *Ben Dewey*	**TH15** Node.js for .NET Developers - *Jason Bock*	**TH16** Database Development with SQL Server Data Tools - *Leonard Lobel*	**TH17** Git for the Microsoft Developer - *Eric D. Boyd*		**TH18** Building an iOS and Android App with Xamarin. Forms – *Brent Edwards*	
12:15 PM	1:30 PM	Lunch							
1:30 PM	2:45 PM	**TH19** Tricks and Shortcuts for Amazing UI in XAML - *Billy Hollis*	**TH20** Building Single Page Web Applications Using JavaScript and the MVVM Pattern - *Ben Hoelting*	**TH21** Building Rich UI with ASP.NET MVC and Bootstrap - *Walt Ritscher*	**TH22** Creating Visual Studio Cloud Business Applications for SharePoint 2013 Using AngularJS - *Michael Washington*	**TH23** Getting Started with AWS for .NET Developers - *Norm Johanson*		**TH24** Building a Windows App - *Brent Edwards*	
3:00 PM	4:15 PM	**TH25** WPF Data Binding in Depth - *Brian Noyes*	**TH26** Busy Developer's Guide to SignalR and WebSockets - *Ted Neward*	**TH27** ASP.NET - Rudiments of Routing - *Walt Ritscher*	**TH28** Cloud Business Apps and SharePoint Workflows - *Michael Washington*	**TH29** Zero to Hero: Untested to Tested with Visual Studio Fakes - *Benjamin Day*		**TH30** Analyzing Results with Power BI - *Steve Hughes*	

START TIME	END TIME	Visual Studio Live! Post-Conference Workshops: Friday, March 20, 2015 (Separate entry fee required)			
7:30 AM	8:00 AM	Post-Conference Workshop Registration — Coffee and Morning Pastries			
8:00 AM	5:00 PM	**F01** Workshop: Hybrid Mobile Apps with Cordova, Angular, and Azure - *Brian Noyes*	**F02** Workshop: SQL Server 2014 for Developers - *Leonard Lobel*	**F03** Workshop: Developing Neural Networks using C# - *James McCaffrey*	**F04** Workshop: Modern App Development In-Depth - iOS, Android, Windows, and Web - *Brent Edwards, Anthony Handley, & Allen Conway*

Sessions and speakers subject to change.

Keynotes

Want a front-row seat to the future of technology? Attend the keynote addresses for Visual Studio Live! Las Vegas to learn what's hot on today's tech landscape and what exciting developments lie ahead for 2015 and beyond.

Tuesday, March 17, 8:00 – 9:00am

KEYNOTE: Coming Soon in Visual Studio, .NET, and Azure

John Montgomery
Director of Program Management, Visual Studio Platform, Microsoft

Kieran Mockford
Architect, Microsoft

From new things in Windows Presentation Foundation to the latest in Azure to the latest in cross-platform device development to productivity enhancements, Visual Studio 2015 is going to be a rich release. With a series of demos, we'll give you an overview of what's new in the coming version of Visual Studio, .NET, Azure, and more.

Wednesday, March 18, 8:00 – 9:00am

KEYNOTE: Fifty Shades of Blur—Adapting to the Age of Cloud, IoT, and Modern UI

Billy Hollis
Next Version Systems

The days of sharp, delineated business applications are fading fast. In an era of cloud, devices, Internet of Things, and modern UI, users expect applications and experiences to blur across platforms and environments. How should you prepare for that world? How will your teams and processes change? Come hear Billy Hollis summarize the changes he sees coming, and suggest ways you can map your own personal path to surviving and thriving in this new era. Expect a lively, entertaining, and most of all challenging presentation from one of our industry's unconventional thinkers.

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SESSION DESCRIPTIONS BY TRACK

ASP.NET

Microsoft continues to invest heavily in improvements for ASP.NET. Besides covering the ASP.NET you know with ASP.NET MVC and Web API, we'll provide critical coverage for ASP.NET vNext—a transformative shift in the Microsoft web development technology stack. This track includes:

- ASP.NET vNext
- ASP.NET MVC 5
- ASP.NET Web API

M02 - Workshop:
Deep Dive into Visual Studio 2013, TFS and Visual Studio Online

Intermediate

BRIAN RANDELL

Monday, March 16, 9:00am – 6:00pm

In this workshop, Brian will cover everything you need to know about Visual Studio 2013, TFS and Visual Studio Online. If there's something worth talking about, he'll also cover what's new in the next release of Visual Studio and TFS.

Each release of Visual Studio and Team Foundation Server keeps getting better. You know the basics and now you're 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.

Brian will cover the product with the assumption you know the basics. From there, he'll 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.

T03 - What's Up with ASP.NET vNext (Who Moved My Cheese?)

Introductory / Intermediate

MARK MICHAELIS

Tuesday, March 17, 9:15 – 10:30am

Visual Studio 14 is no minor upgrade from Visual Studio 2013. This is the culmination many changes, even to areas that have remained the same since the first days of Visual Studio .NET. This session will delve into the details of those changes as they relate to ASP.NET vNext. This includes things like the solution structure, the addition of the wwwroot folder, unit test tool updates, config file changes, project schema changes to leverage JSON and much more. Attend this session to jumpstart your ASP.NET vNExt development, and catapult you to immediate productivity instead of wallowing in the surprise of change.

You will learn:

- About the new ASP.NET vNext Project/Solution structure
- About the proliferation of JSON in ASP.NET vNext projects and how to leverage that
- How to understand the overall Visual Studio solution structure and where to put your own files within the new solution structure
- About wwwroot, both its purpose and how to leverage it
- About the new functionality in Visual Studio 14 itself

T15 - ASP.NET MVC For The WebForms Developer

Introductory / Intermediate

PHILIP JAPIKSE

Tuesday, March 17, 1:30 – 2:45pm

You've decide to take the plunge and move to ASP.NET MVC. You've been developing you sites with ASP.NET WebForms, so where do you start? The good news is that

you don't have to throw away your skills, or your existing sites! While you could always mix ASP.NET WebForms and ASP.NET MVC, with One ASP.NET, it's even easier! In this session, Phil will teach you what you need to know to be productive with ASP.NET MVC, and what you need to know when mixing ASP.NET MVC and ASP.NET WebForms.

You will learn:

- The fundamentals of ASP.NET MVC
- Using Portable Areas for cleaner development
- Mixing ASP.NET MVC with ASP.NET WebForms

T21 - Slice Development Time With ASP.NET MVC, Visual Studio, and Razor

Intermediate

PHILIP JAPIKSE

Tuesday, March 17, 3:00 – 4:15pm

ASP.NET MVC3 introduced the Razor View Engine and a host of productivity improvements. Phil will show you how to speed development with Visual Studio MVC feature,s as well as the Razor View Engine to cut repetitive tasks to shreds.

You will learn:

- How to create custom scaffolding for views and controllers
- How to create custom Project Templates
- How to leverage Razor for faster development using Functions, Helpers, Display and Editor templates

W03 - ASP.NET vNext in All Its Glory

Intermediate

ADAM TULIPER

Wednesday, March 18, 9:15 – 10:30am

Hear directly from Microsoft what ASP.NET vNext brings to the table with all the major exciting changes going on in ASP.NET. There have been incredible performance enhancements and multi-platform support. Package

SESSION DESCRIPTIONS BY TRACK, CONTINUED

management has completely been overhauled. MVC, Web API, and Web Pages have all been merged into one enhanced framework. Project files have been changed to a new format. Entity Framework 7 has been significantly overhauled, which affects how it applies to ASP.NET. There are many more exciting changes beyond this as well. Join this session to understand what these features are and how your apps can take advantage of the new amazing features of ASP.NET.

You will learn:

• Understand the changes to ASP.NET vNext in Visual Studio 2014
• How this affects current applications
• How to utilize the new changes and use cases for them

W09 - Understanding the Power of ASP.NET MVC vNext

Intermediate

BEN HOELTING

Wednesday, March 18, 10:45am – 12:00pm

The next version of ASP.NET MVC is a completely open source composable framework for building cloud and Web applications. So what does that mean to you? This session will dive into the new features and explain why this is such a big deal to the ASP.NET community. We'll dive into the best new features of MVC 6. The session will also explain how to migrate\upgrade from previous versions of MVC or even from ASP.NET Web Forms. Join this talk to get up to speed with the latest innovations related to .NET based web application development.

You will learn:

• Why this is such an innovative release of ASP.NET MVC
• The key new features ASP.NET MVC
• Understand any breaking changes that might affect upgrading to this version

W15 - Improving Web Application Performance

Intermediate

BEN HOELTING

Wednesday, March 18, 1:30 – 2:45pm

Speed matters! It's well documented that consumers\users have no tolerance for slow Web sites. A one second delay in Website performance can make or break the perception of your application. There are many new features in ASP.NET and ASP.NET MVC that help increase performance. This session will dive into these tips and tricks you can use to make your sites faster. It will also cover how to use Visual Studio to perform load testing on the application so you can identify and fix bottlenecks. From more efficient JavaScript to reducing round trips to the server, this session has what you need to make your sites fly.

You will learn:

• Everyday tricks you can us to reduce round trips to the server
• How to make your JavaScript more efficient
• The new performance enhancing and load testing features in Visual Studio

W27 - WCF & Web API: Can We All Just Get Along?!?

Intermediate

MIGUEL CASTRO

Wednesday, March 18, 4:30 – 5:45pm

By now many of your peers have told you that you shouldn't be using WCF anymore in favor of the Web API, or that WCF is dead or some other dumb piece of advice. Miguel can assure you that rumors of such a demise have been greatly exaggerated. So let's set the record straight, folks. These two technologies serve a different purpose. While there is some overlap, each has its strengths and its weaknesses. Each has its place and most service-oriented

systems benefit from having both involved. In this session, Miguel will give you a full comparison of those strengths and weaknesses which each technology carries, and how to make them work side-by-side in your SO-applications. Maybe together, we can stop all this hate.

You will learn:

• The key differences between the two technologies
• Highlighting the strengths and weaknesses
• About integrating the two together

TH03 - Fiddler and Your Website

Intermediate

ROBERT BOEDIGHEIMER

Thursday, March 19, 8:00 – 9:15am

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

You will learn:

• Capture traffic to diagnose problems with web page requests and responses
• Issue modified requests to see how the server might respond to conditions that are otherwise hard to simulate
• How to check the performance of web pages and whether the

TH09 - Web Essentials

Intermediate

ROBERT BOEDIGHEIMER

Thursday, March 19, 9:30 – 10:45am

Web Essentials is an awesome extension for Visual Studio that adds incredible new features for Web developers.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

Vendor prefixes and visual feedback for browser support are two of many CSS related features. Browser link creates a connection between a series of browsers and Visual Studio. Changes in Visual Studio are immediately reflected in all connected browsers, and changes can be made directly in a browser and reflected in the source. There are also numerous enhancements to the HTML and JavaScript editors. Web Essentials is a great way to get early access to great new features that may be eventually added to Visual Studio.

You will learn:

- Utilize powerful new editor features that greatly extend Visual Studio's capabilities
- Easily test content across multiple browsers
- Gain early access to possible upcoming Visual Studio features for web developers

> **THIS WAS MY FIRST VISUAL STUDIO LIVE! AND I HAD A BLAST. I NOW INTEND TO SHOW UP FOR MANY YEARS TO COME!**
>
> *- Collin O'Connor, WR Medical Electronics Company*

TH15 - Node.js for .NET Developers

Introductory

JASON BOCK

Thursday, March 19, 11:00am – 12:15pm

JavaScript is the language for the Web. But it doesn't stop there. JavaScript is also rapidly making its way to the server side via Node.js. What does this mean for .NET developers? Do they abandon all their skills and frameworks? Not at all! In this session, you'll see what Node.js is, how it works, and what you can do to apply your hard-won assets into this new world.

You will learn:

- A clear overview of Node.js
- How you can write applications in Node.js
- How tools and languages like TypeScript and edge.js can make it easier for .NET developers to reuse their skill set

TH21 - Building Rich UI with ASP.NET MVC and Bootstrap

Introductory / Intermediate

WALT RITSCHER

Thursday, March 19, 1:30 – 2:45pm

Bootstrap is a fabulous frontend framework that helps create beautiful and responsive Web pages. Microsoft incorporated Bootstrap into ASP.NET MVC 5 and it's enabled in the new project templates. This session explores the fundamentals of Bootstrap including the grid system, templates, styles, themes, LESS integration, dialogs, tabs, and validation. You'll discover some of the custom components available, like the Dashboard, and see how simple it is to make a modern, clean, mobile friendly Web site.

You will learn:

- How to layout your UI with the grid system
- How to customize the look of your app with styles, themes and templates
- How to work with Dashboard and other components

TH27 - ASP.NET - Rudiments of Routing

Introductory / Intermediate

WALT RITSCHER

Thursday, March 19, 3:00 – 4:15pm

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. Getting it wrong, though, can lead to subtle bugs, or worse. This 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 that provide the mean to set route per Action method.

You will learn:

- How to configure routes to your best advantage
- The best strategies to unit test your route
- Explore server side route debugging with Glimpse
- Examine the Attribute routing changes

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 Microsoft 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:

• Visual Studio Cloud Business Applications
• Microsoft Azure Web Sites
• Azure API Management

T04 - Cloud or Not, 10 Reasons Why You Must Know "Web Sites"

Intermediate

VISHWAS LELE

Tuesday, March 17, 9:15 – 10:30am

This session will look the 10 reasons (backed by code walkthrough, of course) why as a Web developer you need to be up to speed with "Web Sites."

From fast provisioning, to scalability, to continuous integration, Web Site (Cloud and on-premises) technology is the fastest way to build web applications.

You will learn:

• Detailed understanding of Web Sites architecture
• Continuous integration and deployment with Web sites
• Web site and hybrid connectivity

T10 - Azure 10-10: Top 10 Azure Announcements in "T-10" Months

Introductory

VISHWAS LELE

Tuesday, March 17, 10:45am – 12:00pm

In this session, we will review the top 10 advancements in #azure that have significantly widened the choices for developers (and for DevOps).

You will learn:

• Walk through a high level overview of the Azure platform and the key benefits it offers
• Recent developer / DevOps enhancements (tooling, services, API)
• Discuss real world examples for leveraging Azure that attendees can apply in their own context

T22 - Busy Developer's Guide to Six Developer Cloud Platforms

Introductory / Intermediate

TED NEWARD

Tuesday, March 17, 3:00 – 4:15pm

Microsoft has one, Amazon has one, but it turns out that there are a lot of different developer-focused cloud environments out there. Sometimes it's exactly what you need to get your project going quickly--assuming you know it exists. In this session, we're going to take a survey of a variety of different cloud providers, many with wildly varying different approaches to "what developers need," and give you a series of ideas to explore the next time the boss says, "We need to move into the cloud!"

You will learn:

• Get an overview of Azure and AWS
• See offerings from a total of six environments
• Talk about how working with multiple cloud providers can be both a good and a bad thing

W16 - A Tour of Azure for Developers

Introductory / Intermediate

ADAM TULIPER

Wednesday, March 18, 1:30 – 2:45pm

Azure is a large set of services available for developing IaaS (infrastructure as a service) and PaaS (platform as a service) to do everything from running a Web site to running your entire business services including active directory in the cloud or shared between your site and the cloud. At times, it may be overwhelming to learn what the platform supports with literally thousands of features.

This session will take you through a journey of Azure's services as it relates to software developers. Did you know you can remote debug web applications running in the cloud? How about providing a cross platform data storage solution for all of your apps? Adam will deliver bite sized demos and use cases to showcase functionality available to you as a developer to understand how you can utilize Azure for your applications.

You will learn:

• Understand the functionality Azure provides to the developer through its major services
• How to develop for Azure's various services
• How to deploy your solutions to the cloud, including web and services

W22 - 10 Ways to Guarantee Your Azure Project Will Fail!

Introductory / Intermediate

MICHAEL COLLIER

Wednesday, March 18, 3:00 – 4:15pm

There are good projects, and there are bad projects. We can often learn more from the bad projects as they show us what not to do. In this session, we'll explore scenarios from real customer engagements that didn't go according to plan. We'll take a look at what not to do when it comes

SESSION DESCRIPTIONS BY TRACK, CONTINUED

to using Cloud Services, storage, Virtual Machines, Virtual Networking and more. Looking at the unsuccessful architecture and development patterns of others can help us not repeat the same mistakes in future cloud projects.

You will learn:

• Architecture anti-patterns
• Tips/Tricks for being successful with Azure
• Strategies for successful monitoring and support of Azure-hosted solutions

W28 - Intro to Azure API Management

Introductory

MICHAEL COLLIER

Wednesday, March 18, 4:30 – 5:45pm

Building APIs is fun! The APIs we build can light up an unknown number of devices and services. Before we can light up those scenarios, there often needs to be some guidance and management features put in place. Aspects like developer-level documentation, pricing tiers, security and usage analytics are often vital to an API. Sure, we could build all those features from scratch, but why? In this session, we'll dive into several such features, and more, that are available with Azure API Management.

You will learn:

• How to use Azure API Management to protect your APIs
• How to use Azure API Management to gain insights to API usage and performance
• How to use Azure API Management to provide technical documentation to your API consumers

TH23 - Getting Started with AWS for .NET Developers

Introductory

NORM JOHANSON

Wednesday, March 18, 3:00 – 4:15pm

Learn how to utilize your existing .NET skills and deploy an application to the AWS cloud. In this 101 level session, no prior knowledge of the cloud is needed. The session will start with an overview of AWS, then demonstrate hands on code examples using the most common AWS services including storage, messaging, and computing services. You will learn how to manage your AWS resources from within Visual Studio. By the end of the session, you will know how to write code that accesses AWS for server and mobile applications and how to deploy web applications to AWS.

You will learn:

• Using the core AWS services for storage, messaging and computing with AWS
• Writing code to access AWS Services
• How to access your resources and data from within Visual Studio
• How to deploy your application from your desktop to AWS
• How to access AWS services from Windows Store and Phone Applications

> **I LIKE THE VARIETY OF THE SESSIONS. YOU CAN LEARN KNOWLEDGE OF MANY AREAS AT THE SAME TIME.**
>
> *- Ken Chen, Microsoft*

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
• Building Cordova Apps in Visual Studio 2013
• Creating Responsive Apps with JavaScript and Bootstrap

M01 - Workshop: Native Mobile App Development for iOS, Android and Windows Using C#

Intermediate

MARCEL DE VRIES & ROY CORNELISSEN

Monday, March 16, 9:00am – 6:00pm

So you need to build a mobile app but have been a C# developer for a long time. What are your options? Should I build a mobile app using the web approach and build my mobile app with HTML and Java Script? Or do I need to learn objective C for iOS, or perhaps Java to build an Android app? Do I need to learn all those different languages and frameworks to build mobile apps or are there other options for me as a C# developer?Fortunately there are! The option that stands out for you as a C# developer is the option to build Native apps using C#. Xamarin makes this happen even from you Visual Studio IDE, by providing a language projection of the native platform libraries (Android or iOS) to C# and an implementation of the .NET framework that runs on that device.

In this full day workshop, Roy and Marcel will walk you through the process of building one app for multiple platforms. They'll show how to share as much code as possible, while keeping the uniqueness of each platform to appeal to the native users as much as possible. They'll

SESSION DESCRIPTIONS BY TRACK, CONTINUED

go into details of each platform, the app concepts of each platform and how to build native apps for these platforms using the native libraries from C#. They'll also show in detail how you can architect your app in such a way that you can share code amongst these platforms that will help you get much better ROI then building three native apps using the vendor provided toolsets.

You will learn:

- How to build your first mobile apps on the different platforms with the Xamarin toolset
- About the different platforms, what makes them unique and how you can build a cross platform app
- How to maintain platform uniqueness while sharing a large chunk of your codebase

T01 - An Overview of the Xamarin Programming Platforms

Introductory

LAURENT BUGNION

Tuesday, March 17, 9:15 – 10:30am

The majority of software code on Windows is developed in .NET and C#. The tools and languages provided by Microsoft are unmatched in terms of productivity to create applications, from rich desktop suites to small fluid mobile apps. You can reuse your skills, tools, language and even design on each platform. The big sensation these days is Xamarin. This lets you use .NET to create fully native apps on iOS and Android. In this session, Laurent Bugnion will show you how to get started with Xamarin and what you need to create apps on all these platforms.

You will learn:

- How to get started with Xamarin application development
- Everything you need to know about choosing the right emulators, configuring the environment, etc.
- How Xamarin applications are architected and developed

T07 - Building Cross-Platform Applications with XAML, Xamarin, Xamarin.Forms and MVVM Light

Intermediate

LAURENT BUGNION

Tuesday, March 17, 10:45am – 12:00pm

MVVM Light is a popular open source toolkit that's been used in thousands of production XAML applications since 2009. It consists of components, snippets, templates and guidance, and has a strong community of followers. Now, MVVM Light is available for Xamarin and Xamarin Forms too! Join Laurent Bugnion, the author of MVVM Light, as he talks about the toolkit and the MVVM architecture and demonstrates how with these tools, you can improve your development workflow.

You will learn:

- How the most popular MVVM toolkit can be used to build true native applications on multiple platforms
- What the MVVM pattern brings to Xamarin development
- The new Xamarin Forms platform allows for building the user interface once and running it on multiple platforms

T13 - Mobile Apps for the JavaScript Developer

Introductory

RYAN J. SALVA

Tuesday, March 17, 1:30 - 2:45pm

If someone asked you to build an iOS or Android app, could you do it? Could you build a simple app in a day? What if you could do it all in JavaScript? In this session, we'll show how Apache Cordova opens the world of mobile app development to web developers. You'll learn what kind of apps are best-suited for the hybrid architecture and when to make the switch from web app to mobile app. You'll also walk away with a list of tools, tips and tricks

you can use to make your first attempt at mobile app development a success.

You will learn:

- What kind of apps are best suited for Apache Cordova and when to use a "hybrid" architecture
- How you can leverage your existing web skills, tools and processes to build a mobile app deployed to all three major ecosystems: iOS, Android and Windows
- How to use Cordova plugins to access native device capabilities like the camera, accelerometer or file system
- How to address UX differences between the platforms
- Debugging tricks for mobile apps using HTML, CSS and JavaScript

T19 - Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap

Introductory

BEN DEWEY

Tuesday, March 17, 3:00 – 4:15pm

Learn how to create cross platform apps with the Bootstrap open source project.Ben Dewey will show how to create cross platform apps with the Bootstrap open source project. This project is a CSS and JavaScript framework for developing Responsive Web Apps that can be deployed on desktops, phones, and tablets. In Windows, you can deploy these apps directly as a Windows Store app. At the same time, this framework lets you deploy a single cross platform app to numerous devices using native application hosts such as Cordova.

You will learn:

- Tips for Good Responsive Design
- How to build cross platform apps for web, native Windows Store and Cordova (Phone Gap)
- How to use the Bootstrap CSS and JavaScript Framework

SESSION DESCRIPTIONS BY TRACK, CONTINUED

W01 - Cross-Platform Mobile Apps Using AngularJS and the Ionic Framework

Intermediate

BEN DEWEY

Wednesday, March 18, 9:15 – 10:30am

Ben Dewey will provide an introduction to AngularJS and the Ionic framework using practical examples of mobile apps written in HTML and JavaScript. AngularJS is a Web application framework that assists in the creation of Single Page Applications (SPAs) by providing a client side model-view-controller (MVC) model. The Ionic Framework is a mobile-optimized HTML and CSS framework for designing rich mobile applications that is designed to connect well with AngularJS.

You will learn:

• An overview of AngularJS as it pertains to mobile app development
• A full overview of the Ionic Framework
• Tips for building mobile apps with HTML and JavaScript

W07 - Build Cross-Platform Apps with Shared Projects, CSLA .NET, and C#

Intermediate

KEVIN FORD

Wednesday, March 18, 10:45am – 12:00pm

You can use the Shared Product feature added to Visual Studio 2013 to support Universal Apps across all project types from Windows Forms to iOS with Xamarin. One key requirement is that your shared code and supporting frameworks also work across all project types. CSLA .NET is one of the most widely used open source .NET

development frameworks, and it supports all platforms along with Shared Projects, allowing you to reuse all your business logic on desktop, Web, and mobile projects. In this session, you'll learn how these tools work together to support you in your business software development efforts.

You will learn:

• Understand Shared Projects
• Understand CSLA .NET
• Leverage both tools to reuse all your business logic across all platforms

W13 - Building Your First Universal Application for Windows Phone and Windows Store

Introductory

BRIAN PEEK

Wednesday, March 18, 1:30 – 2:45pm

Universal Apps let you build apps for Windows Store and Windows Phone simultaneously while sharing code, controls, and other assets between them. In this session, you'll learn how Universal Apps work as we build a simple app from start to finish using this new project type. We'll cover what can and can't be shared, and how to best structure your project for maximum re-use.

You will learn:

• Introduction to Universal Apps
• How to Share code between projects
• How to maximize code re-use between Windows Store and Windows Phone

TH01 - Building Windows Universal Apps for Smartphones and Tablets with XAML & C#

Introductory to Intermediate

NICK LANDRY

Thursday, March 19, 8:00am - 9:15am

This session is your fast track into the wonderful new world of app development for Windows devices. Come learn how your valuable C# skills now make you a hot mobile developer for smartphones, tablets, laptops and desktops. We'll perform a quick lap around Microsoft Visual Studio 2013 and the new Windows Universal Apps, build our first app using XAML & C#, and debug it with Windows 8.1 and the Windows Phone Emulator. We'll then explore the converged WinRT API services and features, such as touch input, accelerometers, Live Tiles, etc. We'll also spend valuable time going over the new app model for Windows device apps, how to share code between phone and tablet, and how to build a converged UI in XAML for Windows 8.1 and Windows Phone. Lastly we'll go over the app packaging and how to submit your Universal apps to the Windows Store. The converged Windows Platform is more efficient and far-reaching than ever. Come learn how to build mobile apps for hundreds of millions of Windows device users.

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SESSION DESCRIPTIONS BY TRACK, CONTINUED

F01 - Workshop: Hybrid Mobile Apps with Cordova, Angular, and Azure

Introductory / Intermediate

BRIAN NOYES

Friday, March 20, 8:00am – 5:00pm

Hybrid HTML mobile apps using Cordova offer a lot of promise to mobile developers. You get to reuse most or all of the code across multiple platforms and you can leverage existing HTML and JavaScript skills for most of your app coding instead of needing to learn native APIs, languages, and tools. However, just knowing some HTML and JavaScript isn't enough to really get started. You have to learn about Cordova and understand its architecture, what it does for you, and what it can't do for you. You have to figure out how to structure your application, navigate from page to page, make service calls and more, and for that you need a framework like Angular to help you out. And you need a solid back end that doesn't require you to master a whole separate set of technology skills and knowledge. Azure Mobile Services can come to the rescue there. In this workshop, you'll learn how to put together an end-to-end hybrid HTML mobile app leveraging Cordova, Cordova plug-ins for native platform features, Angular to structure and implement your application functionality, and use Azure Mobile Services as a rich back end for your app.

You will learn:

- How to create a cross-platform mobile app with Cordova
- How to apply AngularJS to a mobile Cordova app
- How to leverage Azure Mobile Services for the back end for your mobile app

Database and Analytics

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 Data Tools (SSDT)
- Reporting Services for Developers
- Running SQL Server in the Cloud

T16 - Busy Developer's Guide to NoSQL

Introductory / Intermediate

TED NEWARD

Tuesday, March 17, 1:30 – 2:45pm

With the introduction of CouchDB, the world suddenly seemed to be alive with a whole slew of "alternative" approaches to data persistence, collectively called "NoSQL" and offering a "slightly different" to "radically different" view of data storage and retrieval. It's left a few developers scratching their heads, trying to figure out when to use a NoSQL database instead of a regular database, much less which NoSQL database to use. In this session, we'll examine the NoSQL ecosystem, look at the major players, how the compare and contrast, and what sort of architectural implications they have for software systems in general.

You will learn:

- NoSQLs
- What NoSQLs offer that the RDBMS don't
- When and how (and when not) to use them

W04 - T-SQL for Application Developers
Attendees Choose

Introductory / Intermediate

KEVIN GOFF

Wednesday, March 18, 9:15 – 10:30am

That's right—you 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 you'll walk away with 25 code samples, even though we'll only cover a portion of them in the presentation.

You will learn:

- New language enhancements in SQL 2012
- Where sub-queries are necessary
- Gain some appreciation of performance optimization

W10 - SQL Server Reporting Services for Application Developers
Attendees Choose

Introductory / Intermediate

KEVIN GOFF

Wednesday, March 18, 10:45am – 12:00pm

Even with all the different options for self-service Business Intelligence, SQL Server Reporting Services (SSRS) remains a popular reporting tool in application development environments. This presentation takes some of the more complicated topics and offers them as choices that attendees can pick for the session. I'll show more than a dozen different topics and let you select which topics to cover. Everything from sparklines to heat maps,

SESSION DESCRIPTIONS BY TRACK, CONTINUED

from Tablix-drilldown reports to advanced charts, from performance gauges to subreport/drilldown reports to new page/group control features in R2....and even topics like data-driven subscriptions, reports against OLAP cubes, and deploying to SharePoint. Since no presentation can cover all the topics, the majority of the audience will decide which to cover.

You will learn:

- About advanced SSRS features "in action", as implemented in actual SSRS client applications
- The implementation of mass-automated report delivery of data driven subscriptions in SSRS (and also see .NET code used in SSIS scripts for customized delivery of reports)
- A general understanding of Microsoft's current and future offerings for SSRS in the Cloud

TH04 - SQL Server in Azure Virtual Machines

Introductory / Intermediate

ERIC D. BOYD

Thursday, March 19, 8:00 – 9:15am

The introduction of IaaS and stateful Virtual Machines in Microsoft Azure has expanded the workloads that fit into Azure. One of the most common workloads is SQL Server. In this session, you'll learn how to get started with SQL Server in Azure Virtual Machines. Next, Eric will show you how to architect your SQL Server VMs to be highly available and fault tolerant in Azure Virtual Machines. Then you'll learn how to optimize and tune the performance of SQL Server in Azure Virtual Machines. Finally, Eric will walk through some tips and things to consider like database migrations, security, management and when to use SQL Server over Microsoft Azure SQL Database.

You will learn:

- How to get started with SQL Server in Microsoft Azure Virtual Machines

- How to architect your environment for high availability and performance
- Guidance and lessons learned when running SQL Server in a Microsoft Azure VM

TH10 - Microsoft Azure SQL Database - SQL Server in the Cloud

Introductory

LEONARD LOBEL

Thursday, March 19, 9:30 – 10:45am

This session will get you ramped up quickly on SQL Database - the Microsoft Azure version of SQL Server. Lenni will start from square one: signing up for a Microsoft account and Windows Azure subscription. From there, you'll learn how to leverage a host of tools to connect with SQL Database, including the Azure and SQL Database management portals, SQL Server Management Studio (SSMS), SQL Server Data Tools (SSDT), PowerShell, and the Management REST API. After covering setup and configuration, you'll learn about the SQL Database pricing structure.

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

You will learn:

- About SQL Database on Windows Azure
- How to setup and configure SQL Database
- About SQL Database migration, security, backup, reporting, and pricing

TH16 - Database Development with SQL Server Data Tools

Introductory / Intermediate

LEONARD LOBEL

Thursday, March 19, 11:00am – 12:15pm

SQL Server Data Tools (SSDT) is a powerful integrated development environment for designing, testing, and deploying SQL Server databases—whether you're working locally or remotely, connected or offline, or in the cloud on Microsoft 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'll learn how to use features such as code navigation, IntelliSense, and refactoring with your database model - indispensable tools traditionally available only for application development in Visual Studio. We'll also cover the declarative model that allows you to design databases offline and under source control right from within solution in Visual Studio, as well as how to deploy to SQL Database on Microsoft Azure. Don't miss out on this demo-centric information-packed session on the current generation of database tools for application developers!

You will learn:

- The benefits of database development with SSDT's declarative model-based architecture
- 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 databases, offline database projects, and Microsoft Azure SQL databases in the cloud all from inside Visual Studio

SESSION DESCRIPTIONS BY TRACK, CONTINUED

F02 - Workshop: SQL Server 2014 for Developers

Intermediate

LEONARD LOBEL

Friday, March 20, 8:00am – 5:00pm

This full-day workshop will get you up to speed on powerful features for developers in SQL Server 2014. Lenni will pull no punches as he rips through the most important SQL Server programmability points in this intensive demo-packed tour.

Part 1 - SQL Server Data Tools (SSDT). We'll start with an introduction to SQL Server Data Tools (SSDT), a powerful integrated development environment for designing, 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. Then we'll dive right into extensive demos that showcase the most important SSDT features. Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and Azure SQL databases. You'll learn how to use features such as code navigation, IntelliSense, and refactoring with your database model-indispensable tools previously available only for application development in Visual Studio. We'll also cover the declarative model that allows you to design databases offline and under source control right from within Visual Studio.

Part 2 - T-SQL Features. Next, we'll explore the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML, which enhances your ability to capture change data from the OUTPUT clause of any DML statement. Work with the latest date and time data types, which include support for time zone awareness. Then learn about the newest T-SQL enhancements in SQL Server 2012, such as windowing (OVER clause) enhancements, running and sliding aggregates, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

Part 3 - Beyond Relational. Then we'll examine the powerful "beyond relational" features, including the latest additions in SQL Server 2012. These features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system. Learn how to use the hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM and FileTable to discover how you can finally enjoy the native ability to store large binary objects in the file system transparently. We'll also cover the geospatial data types that enable you to integrate location-intelligence into the database, and build several location-aware applications on top of these new data types. We'll also cover the rich XML support provided by the relational engine, including XSD, XPath, and XQuery.

Part 4 - In-Memory OLTP. Next we'll move on to with the new in-memory OLTP capabilities (code name "Hekaton") added in SQL Server 2014. Learn how to achieve impressive performance gains (up to 30x!) by identifying those tables that can improve performance simply by implementing them as memory-optimized tables in the database. These tables are fully durable and function as ordinary tables, but do not require the same latching and locking mechanisms as disk-based tables, which boosts performance significantly. You will also see how to create natively compiled stored procedures (which actually converts T-SQL to C and then compiles to a DLL) to achieve even greater performance when accessing memory-optimized tables.

Part 5 - Enterprise Features. We'll wrap up with powerful enterprise-level data warehousing and security features including Change Data Capture, SQL Server Audit and Transparent Data Encryption. With Change Data Capture (CDC), you can monitor and record changes made to transactional tables without requiring any application changes or resorting to triggers. Enabling Transparent Data Encryption (TDE) automatically encrypts the entire database in the background, without increasing database size, and without requiring any code. And with SQL Server Audit, virtually any action taken by any user can be recorded for auditing in either the file system or the Windows event log.

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

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, HTML 5, and CSS 3
• Single Page Applications (SPAs)
• Angular and TypeScript

T02 - JavaScript for the C# (and Java) Developer

Intermediate

PHILIP JAPIKSE

Tuesday, March 17, 9:15 – 10:30am

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 than writing typical managed code. In this session, I show 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#

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SESSION DESCRIPTIONS BY TRACK, CONTINUED

T08 - Write Next Generation, Object Oriented JavaScript, with TypeScript

Introductory / Intermediate

RACHEL APPEL

Tuesday, March 17, 10:45am – 12:00pm

TypeScript is Javascript evolved, so if you're writing in Javascript, TypeScript is worth checking out, especially for C# developers. Come to this session and learn all about the TypeScript language from its object oriented features to its ES6-style capabilities. You'll also learn how to use TypeScript's language features that makes Javascript application-scale and more manageable language for building Web sites 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

T14 - It's the Top 10 of Cool HTML5 Features Every Developer Should Know Right Now

Introductory / Intermediate

GILL CLEEREN

Tuesday, March 17, 1:30 – 2:45pm

HTML5 contains many new interesting features that make the platform a capable development platform. Sockets, SVG, geolocation, local storage and many more are included in the platform. In this session, we'll look at cool implementations of 10 features of HTML5.

You will learn:

• HTML5
• JavaScript
• CSS 3 additions

T20 - I Just Met You, and "This" is Crazy, But Here's My NaN, So Call (me) Maybe?

Introductory / Intermediate

RACHEL APPEL

Tuesday, March 17, 3:00 – 4:15pm

In this session, we'll make fun of JavaScript, but learn something by doing so. JavaScript can be a passive-aggressive and fickle language that frustrates you at every turn. It lets you do things like declare variables anywhere, but doesn't tell you that it will hoist them while you're not looking. JavaScript's 'this' keyword is anything but, and eval can turn good code to evil fast. In this session that blends comedy and learning, we'll discuss common JavaScript headaches and mistakes and fun ways to avoid them. Learn what can trick you, like the 'this' keyword, JavaScript scoping, evil Eval, and the use of the 'with' statement (wait... what?). All that alongside those gotchas is the fact that not all equality operators are created equal, and that innocent looking parseInt - it does force parses. Sit back and dig into the fun of JavaScript language quirks.

You will learn:

• JavaScript gotchas
• Language quirks
• How to lint code so as to avoid gotchas

W02 - Getting Started with jQuery and How it Works Together with ASP.NET WebForms and MVC

Intermediate

GILL CLEEREN

Wednesday, March 18, 9:15 – 10:30am

jQuery is the new favorite of Web developers. This lightweight JavaScript library makes developers love writing JavaScript code again! What needed 20 lines of code first is now reduced to 3 lines. Who wouldn't be enthusiastic?! Microsoft showed its love for the library by fully integrating it in Visual Studio. In this session, we'll take a look at jQuery and we'll teach you what you need to know to get on your way. More specifically, we'll look at selectors, attributes, working with WCF, jQuery UI and much more. You may walk out of this session wearing a sticker: "I love jQuery"!

You will learn:

• jQuery
• jQuery in MVC
• jQuery in webforms

W08 - Build Data-Centric HTML5 Single Page Applications with Breeze

Introductory / Intermediate

BRIAN NOYES

Wednesday, March 18, 10:45am – 12:00pm

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

You will learn:

• How to issue rich client queries that execute server side with Breeze
• How to leverage caching, change tracking, and validation on the client side data model with Breeze
• How to persist changes to the back end via Breeze service calls

SESSION DESCRIPTIONS BY TRACK, CONTINUED

W14 - Busy Developer's Guide to MEANJS

Intermediate / Advanced

TED NEWARD

Wednesday, March 18, 1:30 – 2:45pm

The MEAN Stack (Mongo, Express, Angular, Node) has taken the open-source world by storm. Many developers consider it to be "the next big thing" in the world of building Web-based applications. In this session, we're going to embrace our inner JavaScript and review how to build a simple application from scratch using the MEANJS package, including tests against the server-side API and the client-side UI. We'll talk about how Node works on the server, how the various Node packages combine, and examine one such package (MeanJS) that coalesces several Node packages together to create a (somewhat) seamless development experience, while still leaving room for extension and/or replacement if desired or necessary.

You will learn:

• How to build Node server-side APIs
• Explore using Mongo for storage
• How to use AngularJS for the front-end

W20 - Creating Angular Applications Using Visual Studio LightSwitch

Introductory / Intermediate

MICHAEL WASHINGTON

Wednesday, March 18, 3:00 – 4:15pm

In this session, you will learn how to create angular applications using Visual Studio LightSwitch. 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

W26 - JavaScript Patterns for the C# Developer

Intermediate

BEN HOELTING

Wednesday, March 18, 4:30 – 5:45pm

One of the biggest learning curves for C# developers trying to learn JavaScript is getting over the lack of language features available in JavaScript. Simple keywords like Namespace, Class and Interface aren't currently available in JavaScript. So how do you create these things and do inheritance in JavaScript? After you attend this session, you'll know how. We will discuss some of the key differences between JavaScript and C#. Then we'll discuss the Design Patterns used by experienced JavaScript developers to write large, maintainable and scalable applications.

You will learn:

• The key differences between JavaScript and C#
• The design patterns applicable to both C# and JavaScript
• The additional design patterns needed to write good JavaScript

TH02 - AngularJS for ASP.NET MVC Developers

Intermediate

MIGUEL CASTRO

Thursday, March 19, 8:00 – 9:15am

Angular continues to take the market on a wild ride. Its courses are popular and its developer base growing daily. Google wrote Angular to have no external dependencies and in fact many developers use it with HTML alone. But we're Microsoft developers and we know ASP.NET MVC is the best delivery platform for HTML out there. So why not make it an equally awesome delivery platform for Angular-based apps as well? When using ASP.NET MVC, you need to know how to set Angular up with regards to modules, controllers and services. And the truth is that not the entire site needs to be one giant Single-Page-Application. Miguel will show how to design an ASP.NET MVC site to include pockets of SPA that use Angular, taking advantage of binding, routing, and even back-button support - all while remaining on the client.

You will learn:

• The basics of Angular
• How to set up an MVC app with Angular
• Getting the two technologies to play nice

TH08 - Securing Angular Apps

Intermediate

BRIAN NOYES

Thursday, March 19, 9:30 – 10:45am

One topic often pushed to the side when talking about Angular and SPAs is security. The short answer is "you can't secure the client side." However, the reality is you still need to secure your application as a whole. In this session, you'll learn about what you can and can't do with security in Angular, and how you can protect the application as a whole with a combination of securing the files that compose your application, providing a good user experience for login and authorization in your client side app, and securing the Web API calls that your Angular app depends on to access the sensitive parts of your application - the data.

You will learn:

• What parts of your Angular app you can secure and how
• How to integrate security into the user experience of your Angular app
• How to work with secured Web APIs in your Angular app

SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH14 - Unit Testing JavaScript Applications

Intermediate / Advanced

BEN DEWEY

Thursday, March 19, 11:00am – 12:15pm

Web apps aren't just for getting and posting content from a client and a server anymore. With increased power of client machines and the creation of numerous frameworks and tools, JavaScript is becoming an ever increasing code asset within many applications. While this dynamic language is powerful, the absence of a compiler forces execution of every line of code to ensure it's functioning correctly. This presentation shows techniques for unit testing JavaScript, so you can leverage the richness of JavaScript in your application, while maintaining a high level of quality.

You will learn:

• Popular tools for unit testing your JavaScript
• Techniques for managing unit testing JavaScript in your application
• How to create testable JavaScript code

TH20 - Building Single Page Web Applications Using JavaScript and the MVVM Pattern

Intermediate

BEN HOELTING

Thursday, March 19, 1:30 – 2:45pm

XAML developers love the Model-View View-Model (MVVM) pattern. Many JavaScript frameworks use this pattern for Web-based applications. They take the client side coding model developers are familiar with and provide 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 and ASP.NET MVC to build responsive, robust applications that feel like desktop applications.

You will learn:

• The MVVM Pattern
• JavaScript frameworks that enable the MVVM Pattern for the Web
• How to wire up Kendo UI and ASP.NET MVC

TH26 - Busy Developer's Guide to SignalR and WebSockets

Introductory

TED NEWARD

Thursday, March 19, 3:00 – 4:15pm

One of the great problems of the Web is it's built on top of a client-initiated, request/response protocol (HTTP). In other words, the client drives the interaction—the client decides when to ping the server, and the server can only hang out and wait until the request comes in to tell the client of what the new state of the world looks like. What if the server has news the client doesn't? How do we resolve this? In the Web world, Web sockets provide a TCP/IP-like two-way form of communication, and Microsoft built a similar tool, SIgnalR, to accomplish the same. In this talk, we'll look at how they relate, how to use them, and more importantly what they don't do for you.

You will learn:

• How WebSockets and SignalR relate to HTTP
• How to apply them to a Web project
• Recognize when they're useful, and when they're better off left unused

SharePoint Cloud Business Apps

Running SharePoint in the cloud lets an organization use the latest version of the platform without upgrade pain. It also enables the authoring of Cloud Business Applications in Visual Studio that run within SharePoint Online. This track includes:

• Visual Studio Cloud Business Apps
• Cloud Business Apps and SharePoint Workflows

TH22 - Creating Visual Studio Cloud Business Applications for SharePoint 2013 Using AngularJS

Introductory / Intermediate

MICHAEL WASHINGTON

Thursday, March 19, 1:30 – 2:45pm

Learn how to create business applications for SharePoint 2013 using AngularJS using Visual Studio LightSwitch technology. Visual Studio LightSwitch technology helps you create applications for SharePoint. This technology lets you create applications in minutes that would normally take you hours.

Combined with AngularJS, you can build social, touch-centric, cross-platform SharePoint 2013 applications. 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'll be required to write.

You will learn:

• How to create business applications for SharePoint online using Angular
• How to program, debug, configure and deploy your applications
• How to incorporate document libraries, in your application and post to the SharePoint newsfeed

SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH28 - Cloud Business Apps and SharePoint Workflows

Introductory / Intermediate

MICHAEL WASHINGTON

Thursday, March 19, 3:00 – 4:15pm

Cloud Business Apps use Visual Studio LightSwitch technology. With this, you can create applications that access and update SharePoint workflows, which helps ensure that business processes are performed in a particular sequence. You can create workflows that perform processes such as routing documents or processing employee vacation requests.Using Cloud Business Apps, you can create intuitive applications for the end user to allow them to easily supply information required for the workflow and to monitor the workflow status.

You will learn:

• How to create SharePoint workflows
• How to create intuitive user interfaces to gather information required by the workflows
• How to create user interfaces to allow end users to monitor and control workflows

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, .NET 4.5 and C# 6.0
• ALM, Visual Studio tooling and Visual Studio Online
• Asynchronous programming

T05 - New IDE and Editor Features in Visual Studio

Introductory / Intermediate

DEBORAH KURATA

Tuesday, March 17, 9:15 -10:30am

This session covers the coolest new features in the Visual Studio IDE and code editors. The session begins with an overview of the new IDE features.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.Come and learn how you can get the most from these new tools and features in Visual Studio.

T09 - Visual Studio Online: An Update Every Three Weeks

Intermediate

BRIAN RANDELL

Tuesday, March 17, 10:45am -12:00pm

Something crazy happened at Microsoft recently. It changed its spots. About every three weeks for the last few years, it has been rapidly iterating on TFS in the cloud.

That means when you show up to this session, Brian's not exactly sure what he'll show you because there's guaranteed to be something new. If you're looking for a no-hassle way to manage your development team's assets using centralized version control or Git; if you want to track your work on projects big or small; or if you want to have elastic build servers on demand and even monitor your apps for availability and see what features your users truly use, then Visual Studio Online might just be for you. Whether you build Windows apps, OS/X apps, mobile apps on iOS or Android or yes, even Linux, you'll have something to see.

T11 - Defensive Coding Techniques in C#

Introductory / Intermediate

DEBORAH KURATA

Tuesday, March 17, 10:45am -12:00pm

How do you write great code when faced with constantly changing requirements, legacy applications, intensive time pressures and a rapidly evolving environment? And how do you keep that code great after maintenance activities, multiple developers and the ravages of time?

This session covers three key defensive coding strategies:
• Improving code comprehensive and reducing bugs through clean code
• Improving application quality with testable code and unit tests
• Improving code predictability by handling the expected and unexpected

Come and learn how to shore up your code's defenses to protect it from bugs, other developers and your future self.

You will learn:

• To improve code reliability and predictability through clean methods
• The basics of Unit Testing in Visual Studio
• To review asserts and exception handling best practices

SESSION DESCRIPTIONS BY TRACK, CONTINUED

T17 - Moving DevOps to the Cloud Using Visual Studio Online, Release Management Online, and Azure

Introductory

DONOVAN BROWN

Tuesday, March 17, 1:30 -2:45pm

This session demos using Desired State Configuration (DSC) with Release Management Online (RMO) for Visual Studio Online (VSO) to tackle real-world deployment challenges to the cloud via Azure. We start by presenting an overview of the key concepts, architecture, and configuration of the various components. We discuss the out-of-the box deployment actions available to compose automations for common deployment scenarios and how to use extensibility to cover the not-so-common scenarios. In more detail, we discuss adding custom DSC resources, how to trigger release as part of a build and how to leverage logs to diagnose failed releases. These are presented through specific scenarios encountered in the field.

T23 - Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI

Intermediate

MARCEL DE VRIES

Tuesday, March 17, 3:00 -4:15pm

How well do you test your web application or website? Are you still testing your site manually and does that take a lot of time? Do you find it hard to create and maintain automated tests for web applications? Come to this session! You'll learn how you can build cross browser automated test suites using Visual Studio CodedUI and integrate it with Microsoft Test Manager.

In this session, Marcel will teach you how you can build cross browser automated test suites using Visual Studio CodedUI

and integrate it with Microsoft Test Manager to show you a holistic view of your current sprint in terms of completion and test coverage. He'll show you how you can set up your test cases using record & Playback and show you how the CodedUI API works. He'll show you how you can build test suites in such a way that they are maintainable by default and introduce you to the concept of Page Objects that enable us to build SOLID, DRY and DAMP tests.

You will learn:

• How to use CodedUI to build automated UI test
• How record and Playback automation works and its limitations
• How the CodedUI API and object model works

W05 - Using Microsoft Application Insights to Implement a Build, Measure, Learn Loop

Intermediate

MARCEL DE VRIES

Wednesday, March 18, 9:15 – 10:30am

Application Insights collects, processes and presents a wide variety of telemetry including performance, usage, availability, exception, crash, environment, log and developer-supplied data from all components of a modern application—including clients (devices and browser), servers, databases and services.

With this "360 degree view" of your application, Application Insights can quickly detect availability and performance problems, alert you, pinpoint their root cause and connect you to rich diagnostic experiences in Visual Studio for diagnosis and repair. It also supports continuous, data-driven improvement of an application. For example, it highlights which features are most and least used, where users get "stuck" in an application, where and why exceptions are occurring, which client platforms are being used with which OS versions, and where performance optimizations will make the biggest impact on compute costs. This session will show you how you can enable Application insights for your applications

and how you can use the information to better support your team with insights in what needs to be built in the next sprint for your application.

You will learn:

• About the capabilities of Application insights
• How you can add additional telemetry data to your applications to drive product improvement decisions
• How to set up a dashboard in VSO to monitor your application in production

W11 - Build It and Ship It with TFS and Release Management

Intermediate

BRIAN RANDELL

Wednesday, March 18, 10:45am – 12:00pm

In this session, Brian will dig into the latest version of Team Foundation Server (TFS) available. He'll show how TFS can be the hub for your team's Application Lifecycle Management including version control, work tracking, test and builds. Then look how you can get applications out the door more effectively using Release Management. Brian will take you on a journey to create a clean automated pipeline so you can take your hands off deployment and sleep better at night. You'll learn how to create a clean automated pipeline so you can take your hands off deployment.

W17 - Programming C# 6.0

Introductory / Intermediate

MARK MICHAELIS

Wednesday, March 18, 1:30 – 2:45pm

Don't miss this session to preview the C# language changes that will be part of C# 6.0 including: null-conditional operator, indexed members & element initializers, auto-properties with initializers, static using statements, new numeric literal formats and exception handling improvements. Whether they're related to Roslyn or actual

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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:

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

W29 - The Busy Developers Guide to Virtualization with Hyper-V

Intermediate

BRIAN RANDELL

Wednesday, March 18, 4:30 – 5:45pm

Virtualization means a better life for developers. This session answers questions regarding which hardware to buy and why you really want an SSD - including options for desktop and servers in the virtualization stack. Learn how much memory to allocate, how to configure your virtual machine's virtual hard drives, what OS to use, how to effectively use snapshots, and how boot to VHD fits into the picture. See how—with just a little bit of code—you can automate the mundane. And, you'll see how easy it is to integrate your F5 experience with virtualization. This session condenses reams of documentation, blog posts, and incantations into a set of easy to follow rules to get the most out of virtualization. This session is focused on using Hyper-V in Windows 8.1, but much will apply to other virtualization stacks.

TH05 - Managing the .NET Compiler

Intermediate

JASON BOCK

Thursday, March 19, 8:00 – 9:15am

With the new compiler APIs, Microsoft has given .NET developers access to the internals of the compilation process. The potential impact of having a compiler API available for all developers is immense. In this session,

you'll get a tour of the elements behind this new API, such as syntax trees and parsers, and how you can use them in diagnostic analysis and refactoring tools.

You will learn:

• About a thorough walkthrough of the compiler APIs
• How using these new compiler APIs can open up new opportunities for developers to improve their code
• How compilers work at a basic level and what the compiler APIs brings to table to make that usage easier

TH11 - Real World Scrum with Team Foundation Server 2013 & Visual Studio Online

Intermediate / Advanced

BENJAMIN DAY

Thursday, March 19, 9:30 – 10:45am

You've got Team Foundation Server 2013 and you're looking to do Scrum. Now what does that mean? What does TFS2013 actually do to help your Scrum team(s) run more efficiently? If I'm the Scrum Master, what should I be coaching my team to do? What can you do to help get to high-quality, "done," working software faster? How does TFS make anything in Scrum easier?

In this session, Ben will address these from the perspective of a technically-minded Scrum Master. He'll show you how to address four of the main pieces of running a Scrum project using TFS2013: Stakeholder Interaction, Planning & Execution, Testing, and streamlining the Definition of Done (DoD). Along the way there will be plenty of talk about work item management, QA testing, feedback management, and automated builds.

You will learn:

• How to streamline your scrum process using TFS2013 & Visual Studio Online
• How to use TFS for manage stakeholder interaction using the Feedback Manager
• How to plan & execute your sprints

• How to use TFS's Test Hub to track and manage the QA testing effort
• How to automate release and testing using automated build
• How to improve your skills as a Scrum Master

TH17 - Git for the Microsoft Developer

Introductory / Intermediate

ERIC D. BOYD

Thursday, March 19, 11:00am – 12:15pm

If you've avoided Git and written it off as something the hipster, open-source kids are doing, you're missing out. Come learn what Git is all about and differences between other popular version control systems like TFS and Subversion. We'll walk through how to use Git from the command line and explore the jargon and commands introduced by Git that is likely different from your current version control system. Next, we'll take a look at GUI tools that can simplify working with Git and how we can continue to work from Visual Studio and even TFS integrated with Git. We will also consider the various places you can host your Git repository and the Pro's and Con's of each. Lastly, we'll consider why Git has a promising future, and take a look at the ecosystem that is adopting Git and requiring Git to use their tools.

You will learn:

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

TH29 - Zero to Hero: Untested to Tested with Visual Studio Fakes

Intermediate / Advanced

BENJAMIN DAY

Thursday, March 19, 3:00 – 4:15pm

You've got an app with no tests. Trust me. You're not alone. You'd love to get some great code coverage but no one

SESSION DESCRIPTIONS BY TRACK, CONTINUED

ever thought about tests while they were building the app. It's tightly-coupled and there just isn't a good place to start adding unit tests. It feels hopeless, right? Well, the Visual Studio Fakes Framework can help. It helps you with type replacement so you can start turning your tightly-coupled app into something that's *a lot* more testable. It also helps you with mocks and stubs, too. In this session, we'll take an application that has no tests and use the Microsoft Fakes Framework to go from no code coverage to great test code coverage. Along the way, we'll also talk about what the design patterns are that will help you to refactor your code for testability and make *future* code more testable right from the start. When we're done, we'll not only have a well-tested app but we'll have a better software architecture with a clean separation of concerns that's much more maintainable.

You will learn:

• What mocks and stubs are
• How to use the Visual Studio Fakes framework to help break tight coupling
• How to use the Visual Studio Fakes framework for type replacement at test runtime
• About Design for testability
• About Code coverage
• The design patterns that help you stay testable
• Refactoring code with lots of static methods/classes for testability
• Testing data access code and service access code add new session after TH29:

> **WHAT A GREAT OPPORTUNITY TO RECEIVE EDUCATION ON TECH AREAS THAT I HAVE NOT HAD OPPORTUNITIES TO INVEST IN WITH A VIEW TO IMPROVE MY SKILLS AND AWARENESS.**
>
> *- Sean Brennan, Delco Autonation*

F03 - Workshop: Developing Neural Networks using C#

Intermediate / Advanced

JAMES MCCAFFREY

Friday, March 20, 8:00am – 5:00pm

Neural networks are complex software systems that use data to make predictions. In this workshop, Dr. James McCaffrey from Microsoft Research and MSDN Magazine, will teach you how to create powerful neural networks using the C# language. Topics covered include: neural network architecture, the feed-forward mechanism, the back-propagation training algorithm, particle swarm optimization, weight regularization and decay, drop-out training, data normalization and encoding, and computing error and accuracy. This workshop assumes you have intermediate or advanced C# programming skills, but does not assume you know anything about neural networks.

You will learn:

• How to create a fully-connected feed-forward neural network
• How to process raw data for use by neural networks
• How to train a neural network
• How to use a trained neural network to make predictions

Windows Client

There are more than one billion Windows PCs in the world. Given the media attention on mobile development, it's easy to forget Windows is still the dominant OS. This track is focused on building Windows apps using the re-energized WPF technology, as well as the newer Windows Runtime (WinRT) technology for Windows 8.1, Windows 10, Windows Phone, and other Microsoft devices and platforms. This track includes coverage of the following:

• WPF development
• Universal Apps for Windows and Windows Phone
• Windows Store (Windows Runtime) Development
• XAML for non-XAML developers

M03 - Workshop: UX Design Process Essentials – Steps and Techniques

Introductory / Intermediate

BILLY HOLLIS

Monday, March 16, 9:00am – 6:00pm

Most development shops have no structured process for defining and designing user interfaces and user experiences. As teams move to modern apps, a defined UX design phase becomes much more important. In this workshop, you'll see a lightweight process from beginning to end of UX design, with options at various stages to allow you to construct a process that works for your team. You'll see techniques for pinning down business needs, observing users, storyboarding design ideas, prototyping your best ideas, and evaluating designs with users and other stakeholders. This is a no-code session with interactive exercises, so come ready to do some hands-on work on techniques you can take back to your team.

You will learn:

• How to realize benefits of a design process
• How to understand stages and steps in a typical lightweight design process
• Options for steps to allow construction of a design process customized to your team

SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH07 - UX Design Principle Fundamentals for Non-Designers

Introductory

BILLY HOLLIS

Thursday, March 19, 9:30 – 10:45am

The foundation of UX design includes principles that help you understand why something is a good or bad design. If design principles with names such as Gestalt Proximity, Gestalt Similarity, Hick's Law, Horror Vacui and the Aesthetic-Usability Effect sound like technobabble to you, this is the session you need to begin understanding the most important design principles that developers need to know. This is a no-code session, and discusses design concepts application to any user interface technology stack. Interactive tests and exercises are sprinkled through the session, and it concludes with an array of options for further study.

You will learn:

• How to understand the concept of a design principle
• The dozen most important design principles for designing modern user interfaces
• Strategies for learning as much as you need to about design principles

TH13 - XAML: Achieving Your Moment of Clarity

Introductory

MIGUEL CASTRO

Thursday, March 19, 11:00am – 12:15pm

WPF is back! And to this day, there many who are still having problems taking the plunge into WPF or Windows Store Apps. Looking at XAML scares a lot of folks, but Miguel is here to tell you that the intimidation factor far exceeds the complexity factor. The key to understanding XAML development in WPF and Windows Store Apps is

to visualize your view in a different way. In this session, Miguel will show you how to easily do just that. So close your eyes and learn how to see the XAML in your head. If you've not yet used XAML, now is the time to start!

You will learn:

• To understand the XAML visual tree
• How to think differently about UI design
• About XAML data binding

TH19 - Tricks and Shortcuts for Amazing UI in XAML

Intermediate

BILLY HOLLIS

Thursday, March 19, 1:30 – 2:45pm

Too often, XAML is used to spoof older interfaces such as Windows Forms. But in this session, you'll see a host of examples to get you thinking differently. You'll see tricks for using animation without becoming a Blend guru, how to attain resolution independence, how to make your interfaces intuitive with control templates, and how to help users quickly select and track data items. All techniques have sample implementations you can take home and modify for your own needs. These are all-new examples not used in any previous Visual Studio Live! session.

> **GREAT OVERVIEW OF DIFFERENT TECHNOLOGIES WITH ENOUGH DEPTH TO DETERMINE BEST APPROACH FOR ME AND MY CUSTOMERS.**
>
> *- James Raeford, Sevatec, Inc.*

You will learn:

• How to start building a toolbox of impressive XAML techniques that are also easy to implement
• Why features such as control templates are essential to gaining value from XAML
• How to produce user experiences that are a quantum leap beyond those you are probably building today

TH25 - WPF Data Binding in Depth

Intermediate

BRIAN NOYES

Thursday, March 19, 3:00 – 4:15pm

Data binding is one of the most powerful capabilities of WPF and other XAML technologies. 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'll 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 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

SESSION DESCRIPTIONS BY TRACK, CONTINUED

Bonus Content Modern Apps LIVE! Presented in Partnership with *Magenic*

Windows Phone

Windows Phone now has more than 500,000 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:

• Developing Windows Phone apps with Visual Studio
• Using Cortana in Your Applications
• Universal Apps

W19 - Getting Started with Windows Phone 8.1 Development

Introductory / Intermediate

NICK LANDRY

Wednesday, March 18, 3:00 – 4:15pm

This session is your fast track into the wonderful world of development on the new Windows Phone 8.1 platform. 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 2013 and the Windows Phone 8.1 SDK, build our first app using XAML and C#, and debug it with the new Windows Phone Emulator. Then we'll explore the various Windows Phone SDK services and features, such as starter templates, accelerometers, Live Tiles, speech, location and maps and more. We'll also explore how Windows Phone fits into the Windows ecosystem with Universal apps. It's time to drop that "other" phone. Pick-up a phone for which you will actually enjoy coding. 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

W23 - Building Games for Windows and Windows Phone Using Unity and Other Frameworks

Introductory / Intermediate

BRIAN PEEK

Wednesday, March 18, 3:00 – 4:15pm

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

W25 - Strike Up a Conversation with Cortana on Windows Phone

Introductory / Intermediate

WALT RITSCHER

Wednesday, March 18, 4:30 – 5:45pm

Windows Phone has always had a great speech API. Microsoft has added Cortana, a speech enabled personal assistant, to Windows Phone 8.1. Working with Cortana in your application is similar to the way voice commands have always worked in Windows Phone. In this session, you'll learn how to add voice control to your Windows Phone app through the Speech API.

You will learn:

• How to add custom vocabularies to the speech engine
• How to configure Cortana to invoke your app action
• How to talk back to the user with the synthesis engine
• How to add custom voice control within your app

Modern Apps Live!

Modern app development brings a new set of challenges to software developers, designers, managers, architects and team leads. Many of these apps target multiple client platforms and technologies, and rely on state-of-the-art, server-side platform capabilities. Users expect professional quality and performance in apps that are delivered on time, and that means we need to apply application lifecycle processes and tools effectively, along with embedded developer and acceptance testing.

This single track conference consists of sessions that provide you with an end-to-end narrative covering all aspects of building modern apps using today's technologies. You'll learn how to manage a project lifecycle when that project includes Azure cloud services supporting clients running on iOS, Android, Windows 8, and HTML5/JavaScript.

M04 - Workshop: Modern App Technology Overview - Android, iOS, Cloud, and Mobile Web

Introductory

NICK LANDRY, KEVIN FORD, & STEVE HUGHES

Monday, March 16, 9:00am – 6:00pm

The Modern Apps Live! conference covers the "how and why" modern apps are built with various technologies. If you haven't built apps for iOS (iPhone, iPad) or Android with Xamarin, CSLA .NET, TypeScript, or AngularJS then this workshop is for you. This workshop is designed as a crash course for beginners who want to understand the basics of these technologies. We highly recommend it for attendees of the Modern Apps Live! conference because the content in the later conference sessions assumes you have at least some understanding of the technologies presented in this session. When you leave you'll have an understanding of the development options and core techniques for each platform so you'll be ready to build compelling modern apps.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

T06 - Defining Modern App Development

Intermediate

JASON BOCK

Tuesday, March 17, 9:15 – 10:30am

We've entered the era of "modern apps", where users expect a more intuitive, productive, and compelling experience from their computers and devices. Moreover, they expect a similar app experience on their phone, their tablet, and their computer; all of which is transparently supported by a cloud-based infrastructure (public or private) so the app has their data and settings everywhere they go. In this session you'll see how and why Modern Apps is so important to you and your users, and you'll understand the high level process for designing and building this type of app.

T12 - Modern App Architecture

Intermediate

BRENT EDWARDS

Tuesday, March 17, 10:45am – 12:00pm

There's a lot of technology involved when architecting and developing modern apps. Somehow you need an architecture that can support multiple disparate client operating systems and platforms, and yet hopefully take advantage of a set of services. Balance that against the desire to reuse as much code as possible between clients and the server and architecture becomes a serious challenge. In this session you'll see several options for modern app architecture with discussion about the pros and cons of each.

T18 - ALM with Visual Studio Online (TFS) and Git

Intermediate

BRIAN RANDELL

Tuesday, March 17, 1:30 – 2:45pm

This session gets you started on the right foot by walking through the process of setting up a project in Visual Studio Online (TFS), including the use of source control (TFS or git), staffing, reporting, and requirements gathering. You will also learn how to establish effective Visual Studio solution and project organization to support a robust enterprise application architecture. Leaving this session you'll not only be able to set up your own TFS and Visual Studio projects, but you'll understand how to use Visual Studio Online to gather and manage requirements and the overall project lifecycle.

T24 - Reusing Logic Across Platforms

Intermediate

KEVIN FORD

Tuesday, March 17, 3:00 – 4:15pm

Enterprise applications now span multiple platforms, and there is an opportunity to write them all in .NET using Microsoft and Xamarin tools. With this opportunity there is an increased benefit in sharing code and logic for these different platforms. We will be looking at how code linking, universal shared projects and PCLs can help write logic once and run on different platforms like Windows Store Applications, Xamarin iOS, Xamarin Android and Windows Phone. We will also look at the PCL bait and switch method to allow platform specific libraries written with the same interface to be referenced by PCLs. Finally we will look at how MVVM frameworks like MVVM Cross can help use the same logic for the platforms you target.

W06 - Coding for Quality and Maintainability

Intermediate

JASON BOCK

Wednesday, March 18, 9:15 – 10:30am

Cost-effective enterprise software development requires the entire team to be focused on ensuring quality is present right from the beginning and at every step in the process. Much of this work involves some form of testing to verify the application works as expected. In this session you will learn how to implement effective strategies using mocking and unit testing for your modern app code across various operating systems and platforms. Even the most basic code testing regimen provides amazing value to any software development effort, and you owe it to yourself and your organization to get started, or to continually improve your existing process.

W12 - Start Thinking Like a Designer

Intermediate

ANTHONY HANDLEY

Wednesday, March 18, 10:45am – 12:00pm

Although quality business and data layers are critical to any application, the user sees and interacts with the application through its user interface. Modern apps in particular have set a higher bar in terms of productivity, aesthetics, platform integration, and usability by putting designer/developer collaboration at the forefront of the software creation. But what about the developer that finds themselves without a dedicated user experience designer? In this session, you will learn some new ways of thinking that will enable you step into the shoes of the designer and start to reimagine application development, and techniques you can apply as you design your own modern apps.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

W18 - Applied UX: iOS, Android, Windows

Intermediate

ANTHONY HANDLEY

Wednesday, March 18, 1:30 – 2:45pm

Each of the major device platforms has its own set of UX gestures, features, and user expectations. But do you really have to implement a different user experience for each phone, tablet, and desktop computing scenario? When should you follow guidelines & UI conventions? When does brand consistency across multiple platforms matter more? Learn how to reuse UX concepts across platforms, and when you really do need to provide a custom implementation for one or more platforms or device types.

> **EXCELLENT CONFERENCE – I LOOK FORWARD TO ATTENDING AGAIN IN THE FUTURE.**
>
> *- Jon Plater, Kantar Retail*

W24 - Leveraging Azure Services

Intermediate

KEVIN FORD

Wednesday, March 18, 3:00 – 4:15pm

Microsoft Azure provides powerful support for modern app development, covering the needs of mobile and enterprise development efforts. In this session you will learn how to take advantage of several Azure services, bringing them all together to support a modern app that includes mobile, web, and BI features. The features discussed include blob storage, SQL Server, Mobile Services, and Web Sites.

W30 - Advanced Modern App Architecture Concepts

Intermediate

MARCEL DE VRIES

Wednesday, March 18, 4:30 – 5:45pm

Building apps with modern mobile or web interfaces that leverage scalable cloud services can be very complex. In this session you will learn about technologies, techniques, and patterns to help address that complexity. Topics in this session will include micro architecture, enabling continuous delivery in your app architecture and applying solutions for bad things that can happen in cloud scenarios. For example, the circuit breaker pattern, app and service instrumentation, solutions to decouple parts of the system, and design for scale out.

TH06 - Building for the Modern Web with Single Page Applications

Intermediate

ALLEN CONWAY

Thursday, March 19, 11:00am – 12:15pm

Learn about modern web applications using a SPA and some of the supporting technologies behind this implementation.

Single Page Applications (SPAs) built with HTML5 and JavaScript (or TypeScript) are increasingly popular both for their light weight and performant nature. These responsive apps run in a modern browser and provide the user with a rich smart client experience that is generally consistent across different browsers and platforms. In this session you will learn about Single Page Applications as an implantation choice, their viability, advantages/disadvantages, and comparison to traditional ASP.NET web applications. With a deep supporting cast of available technologies to support building a SPA both on the client and the server, there are no shortage of choices to be made either. You will see some of the popular technologies used in building a SPA including AngularJS and TypeScript for the front end, with a combination of Azure Websites, WebAPI, and Azure Mobile Services on the backend.

TH12 - Building a Modern App with Xamarin

Intermediate

NICK LANDRY

Thursday, March 19, 8:00 – 9:15am

Android is a popular development target for modern apps, providing usability on phones and tablets. Xamarin is a powerful toolset that allows developers to write native Android (and iOS) apps using C#. The one area where Android is unique is in the UI design and implementation, but even there Xamarin allows the code controlling the UI

to be written in C#. In this session, you'll learn how to build an Android client app that makes use of the same business logic as a WinRT (Windows 8 or Windows Phone 8.1) client app, as well as leveraging the same back-end services as the Windows, iOS, and JavaScript clients.

TH18 - Building an iOS and Android App with Xamarin.Forms

Intermediate

BRENT EDWARDS

Thursday, March 19, 9:30 – 10:45am

Learn how to reuse much of your code while providing a comparable user experience on iOS and Android using Xamarin.Forms.

• Back-end business, data, application, and mobile services can be used to support applications built for the iPhone and iPad devices running Apple's iOS platform as well as devices running Google's Android platform. In this session, you'll learn how to implement a mobile iOS and Android application that provides a comparable user experience, while leveraging the same back-end code that supports Windows, Android, and JavaScript clients.

TH24 - Building a Windows App

Intermediate

BRENT EDWARDS

Thursday, March 19, 1:30 – 2:45pm

This session will walk through the software design and implementation choices and details involved in building a modern app for Windows 8 and Windows Phone using C# and XAML. The future of the .NET platform lies in WinRT, not only for store apps but also for business apps, and this session will provide you with the knowledge necessary to start down the path toward WinRT development. Not

surprisingly, you'll learn how this client can leverage the same client-side business logic as the Xamarin Android client, and the same server-side services as all the other client implementations.

TH30 - Analyzing Results with Power BI

Intermediate

STEVE HUGHES

Thursday, March 19, 3:00 – 4:15pm

In today's world users increasingly expect the data collected by their apps to be available for analysis in rich and flexible ways. SQL Server 2012, along with SharePoint and Excel 2013 (via PowerPivot and PowerView). In this whirlwind session you'll learn the basic thinking behind design and implementation of a data mart or data warehouse, and how to establish a data model for analysis. You'll also see how PowerPivot and PowerView work to enable flexible access and analysis of enterprise data.

F03 - Workshop: Modern App Development In-Depth - iOS, Android, Windows, and Web

Intermediate

BRENT EDWARDS, ANTHONY HANDLEY, & ALLEN CONWAY

Friday, March 20, 8:00am – 5:00pm

The Modern Apps Live! conference content focused a lot on the tradeoffs and choices involved in designing and building a modern app. This workshop dives deep into the technology behind those choices and the way they are used to implement the MyVote demo app used in the conference. This is a no-holds barred deep dive into the design and implementation of modern apps, from

the app server to the mobile services to each client app technology. You'll learn about websites using Single Page Applications and get a deeper look into their supporting client and server technologies including AngularJS, TypeScript, SingalR, Azure Websites, and Azure Mobile Services. You'll learn about Xcode and iOS development, and Xamarin for Android development. Through it all you'll learn about user experience and design and how important the UX is to success modern apps.

> **THE AMOUNT OF ATTENDEES PROVIDED A MORE INTIMATE ENVIRONMENT WITH MORE DIRECT ACCESS TO PRESENTERS.**
>
> *- Josh Burwell, Calvert Investments, Inc.*

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CONFERENCE 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.

Michael Domingo
Editor in Chief, Visual Studio Magazine

Michael Domingo is Editor in Chief of Visual Studio Magazine. He's been a technology journalist for more than 20 years, covering database management systems, technology certifications, and the breadth of Microsoft development and networking tools over those years. You can find him on Twitter @domingophoto.

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.

Brian Randell
Partner, MCW Technologies
Visual Studio Live! Conference Co-Chair

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).

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CONFERENCE SPEAKERS

Rachel Appel
Appel Consulting

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

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.

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.

Donovan Brown
Technical Solutions Professional, Microsoft

Donovan Brown is a Technical Solutions Professional on the US DX team in Microsoft, focusing on developer tools including Visual Studio and Team Foundation Server. Before joining Microsoft Donovan spent seven years as a Process Consultant and a Certified Scrum Master. Donovan has traveled the globe helping companies in the U.S., Canada, India, Germany, and the UK develop solutions using agile practices, Visual Studio and Team Foundation Server in industries including Communications, Health Care, Energy, and Financial Services. He is also an avid programmer, often finding ways to integrate software into his other hobbies and activities.

Laurent Bugnion
Senior Director, IdentityMine

Laurent works as Senior Director for IdentityMine, one of the leading companies for Microsoft technologies such as Windows Presentation Foundation, Silverlight, Pixelsense, Windows 8, Windows Phone, XBOX and generally User Experience. He is based in Zurich Switzerland.

In October 2010, Laurent's book "Silverlight 4 Unleashed" was published at Sams, an advanced sequel to "Silverlight 2 Unleashed" (published Oct 2008). He writes for MSDN magazine and other publications, codes in Windows Phone, Windows 8, Silverlight, WPF, ASP.NET and his blog is on http://blog.galasoft.ch. 2014 is his 8th year as a Microsoft Most Valuable Professional (Client Dev) and his second year as a Microsoft Regional Director. He is also the author of the well-known open source framework MVVM Light for Windows Phone, Windows 8, WPF, Silverlight, and of the popular Pluralsight reference course about MVVM Light.

Miguel Castro
Principal Consultant, Melvicorp LLC

Whether playing on the local Radio Shack's TRS-80 or designing systems for clients around the globe, Miguel has been writing software since he was 12 years old. He insists on staying heavily involved and up-to-date on all aspects of software application design & development, and projects that diversity onto the type of training and consulting he provides to his customers and believes that it's never just about understand the technologies, but how technologies work together. In fact, it is on this concept that Miguel based two of his Pluralsight courses, Building End-to-End Multi-Client Service Oriented Applications, which was #1 for several weeks, and Developing Extensible 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.

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CONFERENCE SPEAKERS, CONTINUED

Gill Cleeren
.NET Architect, Ordina

Gill Cleeren is Microsoft Regional Director, Silverlight MVP, Pluralsight author and Telerik MVP. He lives in Belgium where he works as .NET architect at Ordina. Gill has given many sessions, webcasts and trainings on new as well as existing technologies, such as Silverlight, ASP.NET and WPF at conferences including TechEd, TechDays, DevDays, NDC Oslo, SQL Server Saturday Switserland, Silverlight Roadshow in Sweden, Telerik RoadShow UK. Gill has written 2 books: "Silverlight 4 Data and Services Cookbook" and "Silverlight 5 Data and Services Cookbook", and is author of many articles for magazines and websites. You can find his blog at www.snowball.be.

Michael Collier
Cloud Solution Architect, Microsoft

Michael is currently a Cloud Solution Architect at Microsoft, where he engages deeply with select accounts to help them best utilize Azure's features. Michael is a former five-time Azure MVP and most recently served as a Principal Cloud Architect with Aditi Technologies. Michael has over 13 years of experience with various consulting and technology firms where he was instrumental in leading and developing solutions for a wide range of clients. He has a vast amount of experience in helping companies determine the best strategy for adopting cloud computing, and providing the insight and hands-on experience to ensure they are successful. Michael is also a respected technology community leader, and is often found sharing his Microsoft Azure insights and experiences at regional and national conferences.

Allen Conway
Senior Consultant, Magenic

Allen Conway is a Senior Consultant for Magenic (www.magenic.com) that is an advocate of Microsoft .NET technologies and the Microsoft platform both professionally and personally. He enjoys the challenge and creativity behind software engineering, and hopes to give back to others in the community by speaking and on this blog at www.allenconway.net

Roy Cornelissen
Lead Consultant, Xpirit

Roy works as a software architect in the Netherlands. With over 15 years of experience in IT, Roy has designed and built many enterprise systems for customers using Microsoft and Xamarin technologies. As a lead consultant at Xpirit, Roy is responsible for the vision and strategy for the Enterprise Mobile Development competence. He specializes in designing and building mobile applications for iOS, Android and Windows Phone, using Xamarin technology. In 2011, Roy co-founded the Dutch Mobile .NET Developers group, and he is an active member of the Xamarin and NServiceBus communities. He has been awarded the Xamarin Insider and NServiceBus Champ titles. He is a frequent speaker at software development conferences such as Microsoft TechDays, Xamarin Evolve, NSBCon and Gartner Catalyst. He writes articles and blogs about his professional and personal interests. As an avid amateur cook, Roy shoots for the (Michelin) stars. He loves photography, graphic design and plays the guitar in his spare time.

Benjamin Day
Benjamin Day Consulting, Inc.

Benjamin Day is a consultant and trainer specializing in software best practices using Scrum with Microsoft's ALM tools. Ben's main areas of emphasis include Team Foundation Server, Scrum, software testing, and software architecture. He is a Microsoft Visual Studio ALM MVP, a certified Scrum trainer via Scrum.org, and a speaker at conferences such as TechEd, Agile, Visual Studio Live!, and DevTeach. When not developing software, Ben's been known to go running and sea kayaking in order to balance out his love of cheese, cured meats, and champagne. He can be contacted via http://www.benday.com.

Marcel de Vries
CTO, Xpirit

Marcel de Vries spends most of his time helping organizations build Enterprise (Cloud) Applications and implementing Application Lifecycle Management (ALM) practices and tooling. Marcel works for Xpirit and his job title there is Chief Technology Officer (CTO). As CTO he spends most of his time looking at how new emerging technologies can help organizations build better quality software in a more productive way. Marcel has a passion for learning new technologies and teaching the things he learned on the way when applying technology to solve business problems. Marcel writes articles and whitepapers on .NET, Application Lifecycle Management, and Mobile solutions for websites and magazines like: MSDN, The Architecture journal and local magazines like SDN Magazine. Marcel is a frequent speaker at industry conferences like Microsoft TechDays, Visual Studio Live!, Microsoft TechEd, and local user group events. Marcel is also a Pluralsight author and created courses on Intellitrace and CodedUI. Marcel has been awarded the Microsoft ALM MVP award and he is also a Microsoft Regional Director.

Ben Dewey
Mobile Practice Lead, Tallan, Inc.

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

CONFERENCE SPEAKERS, CONTINUED

Brent Edwards
Principal Lead Consultant, Magenic

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

Kevin Ford
Practice Lead, Magenic

Kevin Ford is a Practice Lead with Magenic Technologies out of their Boston Office. For the past twenty years he has specialized in enterprise application development using the Microsoft stack. Kevin is an accomplished .NET architect and leader at Magenic. He works with each region to ensure that Magenic consultants have the right relationships, resources, and opportunities to advance their technical skills. Kevin also maintains the Xamarin Android implementation of the CSLA framework.

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.

Anthony Handley
UX Practice Lead, Magenic

An 18-year design veteran, Anthony Handley leads Magenic's user experience design practice and is a five-time recipient of the Microsoft MPV Award. In the design and technology communities, he is a passionate advocate of compelling, intuitive experiences. As a thought leader at Magenic, Anthony and his team help clients bring exceptional user experiences to their customers across a variety of channels and platforms including Windows 8, Windows Phone, iOS, Android and the Web.

Ben Hoelting
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.

Billy Hollis
Next Version Systems

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

Steve Hughes
Business Intelligence Architect, Pragmatic Works

Steve is a Business Intelligence Architect at Pragmatic Works. He works with Microsoft's SQL Server stack and Windows Azure to deliver data and business intelligence solutions. Steve has been working with technology for over 15 years with much of that time spent on creating business intelligence solutions including in-memory models, multidimensional databases, reporting solutions, and data marts. One of his passions is using data effectively and helping customers understand that data is valuable and profitable. Steve blogs about his passion and work at www.dataonwheels.com.

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CONFERENCE SPEAKERS, CONTINUED

Philip Japikse
Principal Architect, InterKnowlogy

An international speaker, Microsoft MVP, MCSD, CSM, and CSP, and a passionate member of the developer community, Phil Japikse has been working with .Net since the first betas, developing software for over 30 years, and heavily involved in the agile community since 2005. Phil serves as the Lead Director for the Cincinnati .Net User's Group and the Cincinnati Software Architect Group, co-hosts the Hallway Conversations podcast (www.hallwayconversations.com), founded the Cincinnati Day of Agile, and volunteers for the National Ski Patrol. Phil is a frequent speaker all over the world, from User Groups and Meet ups to large scale conferences. You can follow Phil on twitter via www.twitter.com/skimedic and read his blog at www.skimedic.com/blog.

Norm Johanson
Senior Software Development Engineer, Amazon Web Services

Norm Johanson is a Senior Software Developer at Amazon Web Services focusing on making .NET developers successful in the AWS Cloud which is largely done through his work on the AWS SDK for .NET and the AWS Toolkit for Visual Studio. With over 15 years of experience in the industry and 4 at Amazon Web Services, Norm has given talks at AWS's own conference, re:Invent, every year for the last three years and also is a frequent contributor to the AWS .NET Developer blog. http://blogs.aws.amazon.com/net/blog/author/Norm+Johanson

Deborah Kurata
President, InStep Technologies, Inc.

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

Nick Landry
Senior Technical Evangelist, Microsoft

Nick Landry (@ActiveNick) is a mobility pioneer specializing in the design and production of mobile applications for consumers and the enterprise using diverse cross-platform technologies including Windows Phone, Windows 8, iOS, Android, Mobile Web, Xamarin and PhoneGap. Nick works at Microsoft as a Senior Technical Evangelist in the New York Metro area and engages with developers, students and IT pros to help them learn, adopt and use the Microsoft developer platform to design and build the next generation of apps for Windows Phone, Windows 8 and Windows Azure. Nick is also a Nokia Developer Ambassador whose mandate is to educate and support Windows Phone developers to maximize their success. Prior to joining Microsoft, Nick spent almost two years as a Senior Product Manager for mobile, data visualization and geospatial developer tools across multiple technologies and platforms. He previously spent most his career in IT consulting and services organizations across various

technical and business roles, designing, building, managing and selling innovative software solutions for some of the world's top brands and Fortune 500 companies. Known for his dynamic and engaging style, he is a frequent speaker at major software development conferences worldwide like VSLive, CodePalousa, Prairie DevCon, HDC, DevTeach, Xamarin Evolve, DevConnections, TechEd, and others. Nick was a 10-year Microsoft MVP awarded on Windows Phone Development, and is a Nokia Developer Champion. With over 20 years of professional experience, Nick is a developer and software architect by trade and specializes in Cross-Platform Mobility, Location Intelligence & Geospatial development, Data Visualization, Cloud Computing and Mobile Game Development. He authored multiple technical magazine articles, white papers, and mobility courses, has been a technical editor for IT books, and holds several professional certifications. Blog: www.AgeofMobility.com – LinkedIn: www.linkedin.com/in/activenick

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.

CONFERENCE SPEAKERS, CONTINUED

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 user group 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.

Dr. James McCaffrey
Chief Software Architect, IntelliTect
Research Software Engineer, Microsoft Research

Dr. James McCaffrey works at Microsoft Research in Redmond, WA. James is also the Senior Contributing Editor for Microsoft's MSDN Magazine. James holds a BA in mathematics from California State University at Fullerton, a BA in psychology from the University of California at Irvine, an MS in computer science from Hawaii Pacific University, and a PhD from the University of Southern California.

Kieran Mockford
Architect, Visual Studio, Microsoft

Kieran has been at Microsoft for 19 years, working in developer technologies for his whole career. Most recently, Kieran has been at the center of the tools for creating Windows and Windows Phone 8 apps and the tools for targeting Android, including Visual Studio's Emulator for Android.

John Montgomery
Director of Program Management, Visual Studio Platform, Microsoft

John has been at Microsoft for 15 years, working in developer technologies the whole time. Most recently before working on the Visual Studio core development environment, he was working on the tools for Windows 8 development

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.

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.

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CONFERENCE SPEAKERS, CONTINUED

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 Developer" 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).

Ryan J. Salva
Principal Program Manager, Microsoft

Ryan is a Principal Program Manager on the Visual Studio Client Tools team at Microsoft where he looks after HTML, CSS and JavaScript development. Today, he focuses primarily on mobile app development using web technologies and Apache Cordova. However, he comes from a 14 year career in web standards development & advocacy.

Adam Tuliper
Sr. Technical Evangelist, Microsoft

Adam works as a Technical Evangelist for Microsoft. Prior to that he worked as a software architect in defense, finance, pharma, manufacturing, technology, and public sector fields over a span of 18+ years. He has a security background, and is deeply involved with web technologies.

> **VERY KNOWLEDGEABLE INSTRUCTORS AND THEY ARE SO WILLING TO ANSWER QUESTIONS.**
>
> *- Danny Cook, Avintus*

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.

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VENUE & TRAVEL

LAS VEGAS IS THE QUINTESSENTIAL DESTINATION for a code trip; it's one of the top conference locations in the country, and it's situated near the historic Route 66. Cruise in to code by day, and enjoy the Strip and scene by night!

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Special attendee rate: $129*
Book by: February 21, 2015

BOOK YOUR ROOM ONLINE; or call Reservations at 800.358.8777 and ask for the Visual Studio Live! Room Block. The offer is subject to room availability, so make sure to book early. https://aws.passkey.com/g/30464137

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*The $129.00 room rate is based on single or double occupancy and includes a $20.00 resort fee.

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UNITED AIRLINES IS OFFERING A 5% DISCOUNT to Visual Studio Live! Las Vegas attendees for travel to McCarran International Airport between 3/11/2015 to 3/25/2015. To book your discounted ticket online go to www.united.com and enter your Offer Code ZR85734069 in the Offer Code box when searching for your flights. http://www.united.com/web/en-US/default.aspx?root=1

AVIS RENT-A-CAR IS OFFERING a discount on car rental for Visual Studio Live! Las Vegas 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. https://www.avis.com/car-rental/reservation/initialize-reservation.ac?&AWD_NUMBER=D005872

SHUTTLE SERVICE to and from McCarran International Airport, round trip fare starts at $36.00 Click Here: http://lasxpress.com/compare-and-save.php

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The Visual Studio Live! Las Vegas 5-Day Package is your five day all-access pass to every keynote, session, workshop and event March 16-20, 2015

VISUAL STUDIO LIVE! 5-DAY PACKAGE INCLUDES:	SUPER EARLY BIRD BY JANUARY 28, 2015	EARLY BIRD BY FEBRUARY 25, 2015	STANDARD AFTER FEBRUARY 25, 2015
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REGISTRATION PACKAGES (continued)

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REGISTRATION PACKAGES (continued)

Visual Studio Live! 3-Day Conference Package

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REGISTRATION PACKAGES (continued)

Workshop Pass

The Visual Studio Live! Las Vegas Workshop Pass grants you access to one full-day workshop on either Monday, March 16 OR Friday, March 20, 2015.

VISUAL STUDIO LIVE! WORKSHOP PASS INCLUDES:

- Pre-Conference Workshop – Monday, March 16; OR Post-Conference Workshop – Friday, March 20, 2015

$550

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Are you a Visual Studio Live! or Live! 360 alumnus?
Alumni discounts are available! Turn to page 47 for pricing details

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- William Howell, Rollins Inc.

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REGISTRATION PACKAGES (continued)

Group Discounts

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

For question or to register your group, please call 972.304.5380.

VISUAL STUDIO LIVE! 5-DAY GROUP DISCOUNT PACKAGE (3+ COLLEAGUES) INCLUDES:	THROUGH MARCH 16, 2015
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