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- DESIGN
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- WINDOWS CLIENT
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- CLOUD COMPUTING

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Contents

3

[A Message from the
Conference Co-Chairs](#)

4

[Top Reasons to Attend](#)

5

[The Fun Stuff: Activities & Events](#)

6

[Agenda At-a-Glance](#)

9 KEYNOTES featuring



Brian Harry
Corporate Vice
President,
Microsoft



Mary Jo Foley
Journalist
and Author—
with Andrew Brust,
Senior Director,
Datameer

10

[Pre-Conference Workshops](#)

11

[Cloud Computing](#)

12

[Database and Analytics](#)

15

[Design](#)

15

[Mobile Client](#)

18

[Visual Studio/.NET](#)

21

[Web Development](#)

23

[Windows Client](#)

25

[Advisory Board](#)

26

[Speakers](#)



30

[Sponsors & Exhibitors](#)

31

[Venue & Travel](#)

32

[Registration Packages & Pricing](#)

A MESSAGE FROM THE CONFERENCE CO-CHAIRS

RIGHT NOW IS A VERY EXCITING TIME TO BE A WINDOWS DEVELOPER ESPECIALLY IF YOU'RE USING .NET.

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 (ASP.NET 5), 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! New York and we'd like to personally invite you to join us at the end of September at the NY Marriott in Brooklyn, NY. 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, including special keynotes from Microsoft Corporate VP Brian Harry and ZDNet's Microsoft reporter Mary Jo Foley.

If you're a .NET smart client developer, XAML, Windows Runtime (WinRT), Universal Apps, and Xamarin are all critical technologies you need to know.

If you're a Web or 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, 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, or business insight needs, 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.

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! New York.

We hope to see you there!



Andrew Brust
Senior Director, Datameer
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

Top

REASONS TO ATTEND Visual Studio Live! New York

1 THE CODE THAT NEVER SLEEPS. We know. You eat code, drink code, and dream code. So do we! Our experts have worked tirelessly to create content to get you up to speed on what's now, new and next on the .NET highway.



2 A TRUSTED SOURCE SINCE 1993. We take pride in the fact that the Developer Community has come to us for the best in developer-focused education and training for over 20 years.

3 SMALL PRICE IN THE BIG APPLE. Get 4 days of developer-focused education for a great value. Plus, the earlier you register, the more you save!

4 A MELTING POT OF PERSPECTIVE! We want you to learn about the most recent software and industry updates from every angle. That's why you'll get to hear from both unbiased industry experts and Microsoft insiders at your sessions.

5 THE BEST BOROUGH FOR CONTENT. What you need to know now from the hottest borough in New York: the information-packed 4-day agenda offers multiple sessions in tracks such as Visual Studio / .NET Framework, Cloud Computing, Cross-Platform Mobile and JavaScript/HTML5 Client.



6 WHAT'S THAT IN THE DISTANCE? Find out what's on the horizon and how to avoid road blocks and potholes on the Microsoft and developer landscape from those in the know.

7 A LITTLE ONE-ON-ONE TIME. The speakers (some of the best in the industry) at Visual Studio Live! take the time to meet and chat with attendees before and after sessions, during breaks, at meal times and at networking events. This is your chance to get those burning questions answered!

8 WE ARE VISUAL STUDIO LIVE! The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 and 2015 provides ever more powerful features around debugging, architecture and application lifecycle management (ALM). Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and the .NET Framework today and into the future.

9 YOU TALKIN' TO ME? Developers, software architects and designers will all be at the conference — take advantage of the meals and networking events to get to know your colleagues.

10 THE ULTIMATE CODE TRIP. Getting out from behind your desk, stepping away from the daily grind, and taking 4 days to soak in new knowledge is still the best way to move forward on new projects and breathe life into ones at the office.



The Fun Stuff:

VISUAL STUDIO LIVE! NEW YORK EVENTS

YOUR ATTENDANCE AT VISUAL STUDIO

LIVE! NEW YORK is about learning from your peers as well as the experts; make the most of your time with us and add these events to your itinerary!

DINE-A-ROUND DINNER

**Monday, September 28,
6:45 – 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 Brooklyn and New York. This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Attendees can break into smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

WELCOME RECEPTION

**Tuesday, September 29,
4:15 – 5:30pm**

All conference attendees are invited to celebrate the start of Visual Studio Live! New York at the Welcome Reception. Join us 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, September 30,
12:00 – 1:30pm**

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.

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!

Topic will include:

- Metro, modern, or Universal—can it be a great client for Windows?
- Dev and Ops—a new Romeo and Juliet? Or can we just 'let it go'?
- What's your favorite feature of Visual Studio? What makes you crazy?
- Open source .NET? They'll never do that ... oh wait! They did! Discuss.
- ASP.NET 5: what is it, a total reboot?
- ASP.NET on Linux and Mac: what's in it for me?
- Big Data, Hadoop and machine learning: what's it all about?

...And many more!



Dine-A-Round Dinner



Welcome Reception




Birds of a Feather Lunch

AGENDA AT-A-GLANCE

Cloud Computing	Database and Analytics	Design	Mobile Client	Visual Studio / .NET	Web Development	Windows Client
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START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, September 28, 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: Big Data, Analytics and NoSQL: Everything You Wanted to Learn But Were Afraid to Ask - Andrew Brust	M02 - Workshop: Native Mobile App Development for iOS, Android and Windows Using C# - Marcel de Vries & Roy Cornelissen	M03 - Workshop: ALM and DevOps with the Microsoft Stack - Brian Randell
6:45 PM	9:00 PM	Dine-A-Round with Speakers		

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, June 16, 2015			
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries			
8:00 AM	9:00 AM	KEYNOTE: Embracing DevOps with Visual Studio		Brian Harry Corporate Vice President, Microsoft	
9:15 AM	10:30 AM	T01 - AngularJS 101 - Deborah Kurata	T02 - Introduction to Next Generation of Azure PaaS—Service Fabric and Containers - Vishwas Lele	T03 - UX Design Principle Fundamentals for Non-Designers - Billy Hollis	T04 - From ASP.NET Site to Mobile App in About an Hour - Ryan J. Salva
10:45 AM	12:00 PM	T05 - AngularJS Forms and Validation - Deborah Kurata	T06 - Cloud or Not, 10 Reasons Why You Must Know "Web Apps" - Vishwas Lele	T07 - Designing and Building UX for Finding and Visualizing Data in XAML Applications - Billy Hollis	T08 - To Be Announced
12:00 PM	1:30 PM	Lunch — Visit Exhibitors			
1:30 PM	2:45 PM	T09 - Building Mobile Cross-Platform Apps with C# and Xamarin - Nick Landry	T10 - Inside the Azure Resource Manager - Michael Collier	T11 - Windows, NUI and You - Brian Randell	T12 - To Be Announced
3:00 PM	4:15 PM	T13 - Building Mobile Cross-Platform Apps in C# with Azure Mobile Services - Nick Landry	T14 - Automating Your Azure Environment - Michael Collier	T15 - Building Windows 10 LOB Apps - Billy Hollis	T16 - Defensive Coding Techniques in C# - Deborah Kurata
4:15 PM	5:30 PM	Welcome Reception			

Sessions and speakers subject to change.



Continued next page

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AGENDA AT-A-GLANCE

(continued)

Cloud Computing	Database and Analytics	Design	Mobile Client	Visual Studio / .NET	Web Development	Windows Client
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START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, September 30, 2015			
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries			
8:00 AM	9:00 AM	KEYNOTE: Microsoft 3.0: New Strategy, New Relevance	 Mary Jo Foley <i>Journalist and Author</i>	 Andrew Brust <i>Senior Director, Datameer</i>	
9:15 AM	10:30 AM	W01 - iOS Development—What They Don't Tell You <i>- Jon Flanders</i>	W02 - Moving Web Apps to the Cloud <i>- Eric D. Boyd</i>	W03 - XAML Antipatterns <i>- Ben Dewey</i>	W04 - What's New in C# 6.0 <i>- Jason Bock</i>
10:45 AM	12:00 PM	W05 - Swift for .NET Developers <i>- Jon Flanders</i>	W06 - Solving Security and Compliance Challenges with Hybrid Clouds <i>- Eric D. Boyd</i>	W07 - Extending XAML to Overcome Pretty Much Any Limitation <i>- Miguel Castro</i>	W08 - Using Microsoft Application Insights to Implement a Build, Measure, Learn Loop <i>- Marcel de Vries</i>
12:00 PM	1:30 PM	Birds-of-a-Feather Lunch — Visit Exhibitors			
1:30 PM	2:45 PM	W09 - Building Cross-Platform C# Apps with a Shared UI via Xamarin.Forms <i>- Nick Landry</i>	W10 - To Be Announced	W11 - Real World SQL Server Data Tools <i>- Benjamin Day</i>	W12 - Enhancing Application Quality Using Visual Studio 2015 Premium Features <i>- Anthony Borton</i>
3:00 PM	4:15 PM	W13 - Creating Applications Using Android Studio <i>- Kevin Ford</i>	W14 - ASP.NET MVC: All Your Tests Are Belong To Us <i>- Rachel Appel</i>	W15 - Transact-SQL for Application Developers—Attendees Choose Topics <i>- Kevin Goff</i>	W16 - Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI <i>- Marcel de Vries</i>
4:30 PM	5:45 PM	W17 - Using Visual Studio Tools for Apache Cordova to Create Multi-Platform Applications <i>- Kevin Ford</i>	W18 - Build Data-Centric HTML5 Single Page Applications with Breeze <i>- Brian Noyes</i>	W19 - SQL Server Reporting Services—Attendees Choose Topics <i>- Kevin Goff</i>	W20 - Managing the .NET Compiler <i>- Jason Bock</i>
7:00 PM	9:00 PM	Visual Studio Live! Evening Event			

Sessions and speakers subject to change.

Continued next page

AGENDA AT-A-GLANCE

(continued)

Cloud Computing	Database and Analytics	Design	Mobile Client	Visual Studio / .NET	Web Development	Windows Client
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START TIME	END TIME	Visual Studio Live! Day 3: Thursday, June 18, 2015			
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries			
8:00 AM	9:15 AM	TH01 - Everything You Always Wanted To Know About REST (But Were Afraid To Ask) <i>- Jon Flanders</i>	TH02 - Securing Angular Apps <i>- Brian Noyes</i>	TH03 - Implementing Data Warehouse Patterns—Attendees Choose <i>- Kevin Goff</i>	TH04 - Not Your Grandfather's Build—A Look at How Build Has Changed in 2015 <i>- Anthony Borton</i>
9:30 AM	10:45 AM	TH05 - Comparing Performance of Different Mobile Platforms <i>- Kevin Ford</i>	TH06 - I Just Met You, and "This" is Crazy, But Here's My NaN, So Call (Me), Maybe? <i>- Rachel Appel</i>	TH07 - Power BI 2.0: Analytics in the Cloud and in Excel <i>- Andrew Brust</i>	TH08 - Async Patterns for .NET Development <i>- Ben Dewey</i>
11:00 AM	12:15 PM	TH09 - To Be Announced	TH10 - Build Real-Time Websites and Apps with SignalR <i>- Rachel Appel</i>	TH11 - Busy Developer's Guide to NoSQL <i>- Ted Neward</i>	TH12 - DevOps and ALM-Better Together Like Peanut Butter and Chocolate <i>- Brian Randell</i>
12:15 PM	1:30 PM	Lunch			
1:30 PM	2:45 PM	TH13 - WCF & Web API: Can We All Just Get Along?!? <i>- Miguel Castro</i>	TH14 - Busy JavaScript Developer's Guide to ECMAScript 6 <i>- Ted Neward</i>	TH15 - Big Data and Hadoop with Azure HDInsight <i>- Andrew Brust</i>	TH16 - To Git or Not to Git for Enterprise Development <i>- Benjamin Day</i>
3:00 PM	4:15 PM	TH17 - Recruiters: The Good, The Bad, & The Ugly <i>- Miguel Castro</i>	TH18 - Busy Developer's Guide to MEANJS <i>- Ted Neward</i>	TH19 - Predictive Analytics and Azure Machine Learning <i>- Andrew Brust</i>	TH20 - Load Testing ASP.NET & WebAPI with Visual Studio <i>- Benjamin Day</i>

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! New York to learn what's hot on today's tech landscape and what exciting developments lie ahead for 2015 and beyond.

Tuesday, September 29, 8:00 – 9:00am

KEYNOTE: Embracing DevOps with Visual Studio



Brian Harry
Corporate Vice President,
Microsoft

The second decade of Agile is well underway, and DevOps is becoming mainstream. Public cloud and SaaS are becoming the New Normal. For teams who have yet to go “all in” with DevOps, how do you get there? Brian Harry, Microsoft CVP for Visual Studio Online and Team Foundation Server, will share his views on the evolution his own team has made when making the transition to shipping daily changes into production, using real-time telemetry data to drive business decisions, and blurring the lines between traditional development and operational boundaries. Brian will also show off some of the tools and technologies his team builds which you can also use as your team makes a move to a DevOps culture.



Wednesday, September 30, 8:00 – 9:00am

KEYNOTE: Microsoft 3.0: New Strategy, New Relevance



Mary Jo Foley,
Journalist and Author



Andrew Brust
*Senior Director,
Datameer*

The past year-plus was one of huge changes for Microsoft—perhaps the most tumultuous in its history.

Microsoft has moved from a devices and services company to a productivity and platforms one. Following on the heels of its “One Microsoft” reorg, the company has largely made good on its “One Windows” promise. It has refocused on its software/services core. And it has become a true cross-platform vendor and open-source participant.

All these moves have created some new challenges and questions for the company, not the least of which is how it will move to new business models to support its new charter and structure.

These changes don't just impact Microsoft employees. They affect every single developer and IT Pro using Microsoft technologies in ways that are just as profound as the changes themselves. But how can you track these changes and make intelligent decisions about your skills and career choices, especially at a technical conference?



Easy! Come to our Visual Studio Live! New York keynote, with ZDNet's “All About Microsoft” blogger Mary Jo Foley. Mary Jo will be interviewed by Visual Studio Live! Co-Chair and Visual Studio Magazine columnist Andrew Brust, who will ask Foley about Microsoft's future product roadmaps, leadership outcomes, big technology bets and more.

Gaining context from this discussion will enhance your Visual Studio Live! experience, and audience questions will be welcome. So come with your best Microsoft-centric questions, quibbles and insights, and get ready to supplement your developer skills with some serious industry analysis.

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WORKSHOPS: MONDAY, SEPTEMBER 28, 9:00AM - 6:00PM

Choose from a range of content and topics by expert presenters with Visual Studio Live! New York Pre-Conference full day workshops.

M01 Workshop: Big Data, Analytics and NoSQL: Everything You Wanted to Learn But Were Afraid to Ask*Intermediate***ANDREW BRUST**

So much has happened in the Big Data and NoSQL worlds in the past year that it's hard to know where to begin. The open source Hadoop project introduced a completely new architecture that has made it far more usable. NoSQL databases like HBase, Cassandra and MongoDB have taken on new features and pulled ahead of the pack. Amazon's DynamoDB has become far more capable in terms of indexing and integration with other AWS data services. Microsoft introduced its own NoSQL database called DocumentDB and added HBase to HDInsight, its Hadoop distribution, which now runs on Linux as well as Windows.

Meanwhile, real enterprise developers are still getting real work done with relational databases and Enterprise BI tools. Who has time to learn about Big Data, Analytics and NoSQL? Take a day for this workshop and you'll break the ice with all of the above. You'll see the technologies running before your eyes, working across multiple clouds and on-premises. Most important, you'll get a sense of where these technologies fit in and complement the database products you've been working with for years.

M02 Workshop: Native Mobile App Development for iOS, Android and Windows Using C#*Intermediate***MARCEL DE VRIES & ROY CORNELISSEN**

So you need to build a mobile app, but you've been a C# developer for a long time. What are your options? Should you build a mobile app using the Web approach with HTML and JavaScript? Do you need to learn Objective C for iOS, or perhaps Java to build an Android app? Do you need to learn all those different languages and frameworks to build mobile apps or are there other options for you as a C# developer? Fortunately, there are other options. The one that stands out for you as a C# developer is to build Native apps using C#. Xamarin makes this happen even from your 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, Marcel & Roy 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. They'll 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 how you can architect your app in such a way to share code amongst these platforms and 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

M03 Workshop: ALM and DevOps with the Microsoft Stack*Intermediate***BRIAN RANDELL**

In this workshop, Brian will cover what you need to know about Application Lifecycle Management and DevOps with the Microsoft stack. He'll be digging into Visual Studio 2013, TFS and Visual Studio Online but also what's the latest with Visual Studio 2015, Team Foundation Server 2015 and all the new features Microsoft is building to make DevOps a reality.

Each release of Visual Studio and Team Foundation Server keeps getting better. Starting with the 2012 release, Microsoft has upped their release cadence. They're shipping updates for Visual Studio and Team Foundation Server about every quarter. The online service sees updates almost every three weeks! So there's a lot to learn to get the most out of your tools so you can deliver great solutions.

Brian will cover the product with the assumption you know the basics. Yet he'll make sure to cover what's new. He'll dig into the new Git version control, Enterprise Agile, and Release Management features in 2013 and 2015. He'll compare and contrast TFS with the Visual Studio Online, cover some App Insights, and answer your tough questions. So come on down with your existing knowledge of Visual Studio and TFS and spend a great day learning.

You will learn:

- What's new for ALM and DevOps for Visual Studio 2013 & 2015
- What's new for ALM and DevOps for Team Foundation Server 2013 & 2015
- What's new for ALM and DevOps for Visual Studio Online 2013 & 2015

SESSION DESCRIPTIONS BY TRACK

Cloud Computing

Many IT leaders believe the future of application development is service-based and in the cloud. Cloud computing offers increased scalability and can provide a less expensive way to host numerous applications. Even if you're not yet ready for Microsoft Azure, you owe it to yourself to become familiar with cloud computing and the services approach to development. This track includes coverage of the following:

- Microsoft Azure Web sites
- Docker on Microsoft Azure
- Hybrid clouds

T02 Introduction to Next Generation of Azure PaaS—Service Fabric and Containers*Introductory*

VISHWAS LELE

Tuesday, September 29, 9:15 – 10:30am

Learn about what many consider to be the most important recent announcement from the Azure Team—Azure Service Fabric and support for containers. This session will cover programming models available in Service Fabric to build highly available, low latency micro-services that can be deployed on Microsoft Azure or Windows Server. We will also explore the container model, why it transforms the development process and how to create, use and manage them and integrate with Docker technologies.

You will learn:

- Programming models available in Service Fabric to build highly available, low latency micro-services
- Write object-oriented microservices using the Service Fabric programming model
- Understand the benefit of container model

T06 Cloud or Not, 10 Reasons Why You Must Know “Web Sites”*Intermediate*

VISHWAS LELE

Tuesday, September 29, 10:45am – 12:00pm

This session will look at 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 and scalability to continuous integration and Web Sites (Cloud and on-premises) technology is the fastest way to build Web applications.

You will learn:

- All about Web Site architecture
- About continuous integration and deployment with Web Sites
- About Web Site and hybrid connectivity

T10 Inside the Azure Resource Manager*Introductory / Intermediate*

MICHAEL COLLIER

Tuesday, September 29, 1:30 – 2:45pm

Keeping track of all the various resources used by a solution is a daunting task. There needs to be an easier way to combine various resources into logical groups. The Azure Resource Manager enables you to group and manage multiple resources as a single logical group. With the ability to create reusable templates, it becomes much easier to consistently deploy solutions. In this session we will explore how the Azure Resource Manager can be used to better manage our Azure solutions. We will dive deep into creating resources and manipulating the Resource Manager templates. In the end, you'll be able to unlock new and powerful ways to manage your Azure resources.

You will learn:

- How to create and manage Resource Groups from PowerShell and the Cross-Platform Command-Line Interface
- How to create custom Azure Resource Manager templates
- How to manage security for resources using Azure Resource Manager and Azure Active Directory

T14 Automating Your Azure Environment*Introductory / Intermediate*

MICHAEL COLLIER

Tuesday, September 29, 3:00 – 4:15pm

Like most things in life, there's an easy way and a hard way. The same holds true when working in cloud environments such as Microsoft Azure. The Azure management portal and Visual Studio can be great for relatively simple projects, but quickly become tedious when trying to create the multiple resources that often make up a real-world solution. This session will demonstrate how to leverage various tools, such as PowerShell, Azure Resource Manager, Azure Automation, and the Azure Management Library, to quickly and consistently create full environments in minutes.

You will learn:

- How to use Azure Management Library to create various Azure assets
- How to use Azure PowerShell cmdlets to query Azure services, deploy VMs and Cloud Services
- How to leverage Azure Automation to reduce operating costs and other management tasks

SESSION DESCRIPTIONS BY TRACK

(continued)

W02 Moving Web Apps to the Cloud*Intermediate***ERIC D. BOYD****Wednesday, September 30, 9:15 – 10:30am**

After years of developing Web apps using ASP.NET, SQL Server, Windows Server and Active Directory, how do you move to the cloud with Microsoft Azure? How can you apply your existing skills and experience to developing cloud apps in Azure? This session will take a simple, traditional ASP.NET app and walk through the process of migrating to Azure. You'll learn important considerations, practices, architectural differences, challenges, advantages and economic benefits to consider when migrating to Azure.

You will learn:

About common business challenges and scenarios that drive Cloud migration

How to move traditional on-premises web apps to Microsoft Azure

About the architectural considerations for maximizing the value of the Cloud

W06 Solving Security and Compliance Challenges with Hybrid Clouds*Intermediate***ERIC D. BOYD****Wednesday, September 30, 10:45am – 12:00pm**

When considering the public cloud, many industries and companies have concerns about security, intellectual property and regulatory compliance challenges. The good news is a hybrid cloud can often help solve these challenges. In this session, Eric Boyd will teach you how to use Microsoft Azure securely, protect sensitive information and achieve regulatory and compliance

mandates like PCI compliance by combining on-premises data centers and private clouds with the Azure public cloud. There are a number of ways to achieve this with messaging and networking technologies. Eric will walk through the options and provide you with guidance on when to choose each.

You will learn:

- How to use the public cloud while paying attention to security and compliance
- About hybrid cloud scenarios and the technology that enables them
- How to analyze your scenario and choose an appropriate hybrid technology

This was my first VSLive and I had a blast. I now intend to show up for many years to come!

- Collin O'Connor, WR Medical Electronics Company

Database and Analytics

SQL Server 2014 is here. No Microsoft-focused developer conference would be complete without coverage of Microsoft's formidable database platform. Visual Studio Live! meets this need handsomely, with coverage of:

- **SQL Server Data Tools (SSDT)**
- **Reporting Services for Developers**
- **Memory-Optimized Tables and Columnstore Indexes in SQL Server 2014**
- **Microsoft Azure SQL Database**

W11 Real World SQL Server Data Tools*Intermediate / Advanced***BENJAMIN DAY****Wednesday, September 30, 1:30 – 2:45pm**

SQL Server Data Tools (SSDT) help you manage your database schemas and let you do it under source control. Every demo you've ever seen though is just "Hello World." What if your databases are complicated? What if your databases have been around for a while and they're filled with dead, garbage SQL structures? What if your databases reference other databases? How about managing lookup values and doing automated deployment? This session will go beyond the basics and show you how to use SSDT in complex real-world scenarios. From taming that old legacy database to representing complex relationships between databases to deployment scenarios—this session will teach you how to really use SSDT to make your coding and deployment life better.

You will learn:

- Techniques for importing existing legacy SQL Server schemas with old, dead code. Basically, how do you take the kind of messy, not-well-maintained databases that I see at customer sites and bring it into SSDT without losing your sanity and giving up?

SESSION DESCRIPTIONS BY TRACK

(continued)

- About real enterprise application databases that often have references across database boundaries, and how to identify and variable-ize these database objects and deal with cross-database and cross-SSDT project references.
- How to handle incremental automated deployment scenarios from the command line or TFS Build and manage 'lookup' data as part of these deployment scenarios.

W15 Transact-SQL for Application Developers—Attendees Choose Topics*Intermediate***KEVIN GOFF****Wednesday, September 30, 3:00 – 4:15pm**

That's right—you choose! Kevin will show 25 possible topics on the screen, and the attendees vote on which topics will be covered. 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:

- About the new language enhancements in SQL 2012
- Where sub-queries are necessary
- To gain some appreciation of performance optimization

W19 SQL Server Reporting Services—Attendees Choose Topics*Introductory / Intermediate***KEVIN GOFF****Wednesday, September 30, 4:30 – 5:45pm**

Even with 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, from Tablix-drilldown reports to advanced charts, from performance gauges to subreport/drilldown reports to new page/group control features in R2—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)
- To understand Microsoft's current and future offerings for SSRS in the Cloud

TH03 Implementing Data Warehouse Patterns—Attendees Choose*Introductory / Intermediate***KEVIN GOFF****Thursday, October 1, 8:00 – 9:15am**

You've read some of the well-known Data Warehousing books—now what? How do you take the structures and disciplines of books like the Ralph Kimball series and implement them? This session will take several of the key concepts in Data Warehousing and demonstrate some implementations using SQL Server Integration Services and Analysis Services. We'll look at items such as Type 2 Changing Dimensions, Confirmed Dimensions, Dimension Outriggers, Role-Playing Relationships, Many-to-Many Bridge table relationships, Factless Fact tables, Handling of NULL foreign key values, and more.

You will learn:

- Techniques for Populating Fact Tables and Dimension tables using T-SQL MERGE statements
- Special considerations for managing Type 2 Slowly Changing dimensions
- Tips for implementing many of the patterns found in the Kimball methodology

TH07 Power BI 2.0: Analytics in the Cloud and in Excel*Intermediate***ANDREW BRUST****Thursday, October 1, 9:30 – 10:45am**

Power BI version 2.0 adds new visualizations, developer APIs and an improved mobile story. It offers a free cloud service along with a Professional subscription for \$10 a month, and the version 1 requirement of an Office 365 subscription is absolutely gone.

SESSION DESCRIPTIONS BY TRACK

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Using Power BI doesn't mean you have to go to the cloud at all. Power BI components like Power Pivot, Power View, Power Query and Power Map provide massive analytics power, right within Excel. Power BI provides a lot, so come to this session to get up to speed quickly on what Power BI has done since version 1 and sink your teeth into everything that's new for version 2.

TH11 Busy Developer's Guide to NoSQL*Introductory / Intermediate***Ted Neward**

Thursday, October 1, 11:00am – 12:15pm

With the introduction of CouchDB, the world suddenly seems alive with a whole slew of "alternative" approaches to data persistence, collectively called "NoSQL." These offer a slightly 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 they compare and contrast, and what sort of architectural implications they have for software systems in general.

You will learn:

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

TH15 Big Data and Hadoop with Azure HDInsight*Intermediate***ANDREW BRUST**

Thursday, October 1, 1:30 – 2:45pm

As Big Data starts to move beyond its hype cycle, Hadoop is reaching critical mass as an Enterprise computing tool. Microsoft's flavor of Hadoop, Azure HDInsight, has matured a great deal as well. It's been fortified with many of the new Hadoop-compatible processing engines that have come on the scene. And now it's available in Linux versions, as well as its original Windows distribution.

Come to this session to see Andrew Brust teach you what Hadoop is, how it works, what to do to get it running on the Azure cloud and how to integrate it with SQL Server BI, Excel and third party tools.

TH19 Predictive Analytics and Azure Machine Learning*Intermediate***ANDREW BRUST**

Thursday, October 1, 3:00 – 4:15pm

"Predicting future outcomes through the construction of statistical or heuristic models, based on past observations." It all sounds very lofty, doesn't it? And, because of that, maybe it sounds irrelevant to your production work. Throw in newer names like "deep learning" and even older ones like "artificial intelligence" and the whole discipline can seem downright esoteric and meaningless to your skill set.

But cut through the fancy names and you'll see that predictive analytics, based on well-documented machine learning algorithms, is useful, approachable and can be very developer-friendly. Azure Machine Learning (ML) ties right into this, providing a visual design canvas for building your models and a straightforward Web API for imbuing your applications with predictive capabilities. Want your applications to predict future revenues, alert users to potential fraud or help determine which consumers are most likely to be high-spending customers? Come to this session to learn the fundamentals of predictive analytics and see how to make it real in Azure ML.

You will learn:

- The fundamentals of predictive analytics, including which algorithms work best for specific scenarios
- How to build Azure Machine Learning experiments and models
- Get exposed to the R programming language and see how to integrate R code into Azure ML experiments

The conference was great, with a wide range of topics, speakers and targeted skill levels.

- John Hain, Denta Quest

SESSION DESCRIPTIONS BY TRACK

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Design

Good application design is more than just “pretty.” There’s a true science to good user experience. It’s important to consider everything from control sizes, to order of operations and, yes, even color. This track includes:

- Core user experience (UX) design principles
- Data visualization
- Application design process essentials

T03 UX Design Principle Fundamentals for Non-Designers*Introductory***BILLY HOLLIS****Tuesday, September 29, 9:15 – 10:30am**

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 concept application for 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

T07 Designing and Building UX for Finding and Visualizing Data in XAML Applications*Intermediate***BILLY HOLLIS****Tuesday, September 29, 10:45am – 12:00pm**

Your biggest opportunity when moving to XAML applications is to help users find the information they need faster and more intuitively. This session shows a host of techniques, including techniques and implementations for typical sorting and filtering, using shapes and colors to help in data visualization, abstracting entire collections to single graphics for quick assimilation, and ideas for dealing with long lists such as favorites and lists for frequently used items. The session will also feature tips for designing the user experience for search, so you’re headed in the right direction before you start writing your XAML.

You will learn:

- Ideas and implementations for sorting and filtering data in XAML
- Ways to use XAML features to visualize data the way your user needs to see it
- Basic techniques for designing the search experience

Excellent conference—I look forward to attending again in the future.

- Jon Plater, Kantar Retail

Mobile Client

Mobile clients are becoming the most common way for business users to keep in touch with each other, their organizations, and their business applications. Mobile apps might be native client apps or mobile Web sites. They also frequently use cloud-based data and services. This track includes:

- Using Xamarin tools to leverage your C# code on iOS and Android
- Azure Mobile Services
- Building Cross-Platform Games with MonoGame
- Swift for .NET Developers

T04 From ASP.NET Site to Mobile App in About an Hour*Introductory / Intermediate***RYAN J. SALVA****Tuesday, September 29, 9:15 – 10:30am**

Every organization has investments in the web – from intranets and business apps to customer-facing portals. But the web has limitations. What happens when you need to support offline, access the file system, send push notifications and still work on mobile devices from every major ecosystem (iOS, Android and Windows)? When these requirements appear, the web is no longer sufficient. You need a mobile app.

This session will provide you with an inventory and coding strategy for packaging your existing ASP.NET web assets for mobile devices via Apache Cordova.

You will learn:

- How to leverage your web assets for mobile apps
- How to support offline scenarios
- How to integrate with device capabilities (e.g. camera, address book)
- How to send a simple push notification
- How to avoid common performance pitfalls

SESSION DESCRIPTIONS BY TRACK

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T09 Building Mobile Cross-Platform Apps with C# and Xamarin*Intermediate*

NICK LANDRY

Tuesday, September 29, 1:30 – 2:45pm

Building native applications across multiple platforms is a challenge. Building for iOS requires knowledge of Xcode, the iOS SDK and Objective-C. Android requires Eclipse, the Android SDK and Java. Windows 8 and Windows Phone require Visual Studio, C# and their respective SDKs. Are you really expected to learn all of this? You can take the HTML5 and PhoneGap route, but not all apps should be built using a hybrid approach. If you want to create a truly competitive app with a premium experience, you'll need to go native.

Fortunately, there's a way you can share a lot of your code across mobile platforms and do so using the C# language you already know and love. The Mono framework is an Open Source project that brings .NET to other platforms, and Xamarin tools leverage Mono for iOS and Android development. This session explores how you can build cross-platform applications for iOS, Android, Windows Phone & Windows 8 using C#.

You'll learn how to get started with a sample cross-platform solution. You'll learn which tools to use, how to design a proper user interface for each platform and how to structure your projects for maximum code reuse. Native mobile development doesn't have to be so hard. Come learn how your .NET skills can be transformed for true cross-platform development.

T13 Building Mobile Cross-Platform Apps in C# with Azure Mobile Services*Intermediate*

NICK LANDRY

Tuesday, September 29, 3:00 – 4:15pm

The Cloud is the perfect way to extend mobile applications. Mobile apps don't exist in a vacuum and you never know if you'll have 10 or 10,000 users. Sooner or later you'll need to save data in the cloud, perform operations server-side for enhanced scalability, and monitor data feeds to push notifications to your mobile users. Microsoft Azure provides the best infrastructure for mobile developers across all platforms thanks to cross-platform storage, authentication and push notification services, all residing in the cloud. This session explores how you can build cloud-enabled cross-platform applications for iOS, Android and Windows Phone using C#, Xamarin tools and frameworks, and Windows Azure Mobile Services.

You'll learn how to authenticate users via Microsoft, Google, Facebook or Twitter credentials, store data remotely in SQL databases, table storage, blob storage and more, all through live cross-platform demos. Whether you're a weekend warrior building consumer apps or a corporate mobile developer building apps for the enterprise, the cloud is the perfect companion for your mobile apps. Come learn how easy it is to harness its power.

I like the variety of the sessions. You can learn knowledge of many areas at the same time.

- Ken Chen, Microsoft

W01 iOS Development—What They Don't Tell You*Intermediate*

JON FLANDERS

Wednesday, September 30, 9:15 – 10:30am

Xamarin, Swift, React Native, etc. etc. We are all inundated with people and companies telling us how we can build native iOS applications using tool X or technology Y. Turns out there is only one "native" way to build iOS applications, and all of these various tools are abstractions on top of UIKit and Objective-C. Come to this session and learn a few key concepts about native iOS development that can help you whether you write mobile apps in C#, Swift, JavaScript, or HTML.

You will learn:

- Basics of Native iOS Development
- How to use native iOS knowledge in a diverse mobile development work

W05 Swift for .NET Developers*Intermediate*

JON FLANDERS

Wednesday, September 30, 10:45am – 12:00pm

Swift is a new multi-paradigm language from Apple for building iOS and OSX apps. It's a modern language that pays homage to Ruby, Python, Erlang, and C#. If you're a .NET developer, come to this talk to see how a modern, full-featured IDE (Xcode 6) + Swift can make building native iOS apps simpler than ever before.

You will learn:

- What exactly is Swift
- How to use Swift to build iOS8 applications
- How Swift works inside of Xcode

SESSION DESCRIPTIONS BY TRACK

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W09 Building Cross-Platform C# Apps with a Shared UI via Xamarin.Forms*Intermediate*

NICK LANDRY

Wednesday, September 30, 1:30 – 2:45pm

Building native applications across multiple platforms is hard. iOS requires knowledge of Xcode, the iOS SDK, Cocoa Touch and Objective-C. Android requires Eclipse, the Android SDK, widgets and Java. The Windows 10 Universal App Platform requires Visual Studio, C#, XAML and the WinRT SDK. Are we really expected to learn all of this? You can take the HTML5 & PhoneGap route, but not all apps should be built using a hybrid approach. If you want to create a truly competitive app with a premium experience, you'll need to go native. Fortunately, there is a way you can share a lot of your code across mobile platforms and do so using the C# language you already know and love. Xamarin is a powerful toolset that allows developers to write native Android (and iOS) apps using C#, thanks to the Mono framework – an Open Source project that brings the C# language and .NET to other platforms. This session explores how you can build cross-platform applications for iOS, Android, and Windows 10 devices using C#. You'll learn how to get started with a sample cross-platform solution, which tools you can use, and how to structure your projects for maximum code reuse. We'll then dive into the design & implementation of a shared UI with Xamarin.Forms. Native mobile development doesn't have to be so hard. Come learn how your C# skills can be transformed for true cross-platform development.

You will learn:

- About the basic principles of native development for iOS, Android, and Windows 10
- About building cross-platform C# apps based on Mono using Xamarin tools
- How to build a shared UI using XAML and Xamarin.Forms

W13 Creating Applications Using Android Studio*Introductory*

KEVIN FORD

Wednesday, September 30, 3:00 – 4:15pm

Many of us have used Visual Studio for years, but it's unsuited to making Android applications using Java. To this end, Google has created the official IDE, Android Studio. This session will show you how to create Android applications in Java in Android Studio and deploy them to emulators and physical devices. We'll also discuss how to make UIs using Android XML. This session is great for anyone starting Android native development who wants to learn the basics. Much of the information is also valuable for working with Android in Xamarin.

W17 Using Visual Studio Tools for Apache Cordova to Create Multi-Platform Applications*Introductory*

KEVIN FORD

Wednesday, September 30, 4:30 – 5:45pm

Cordova is a great way to write hybrid apps that span multiple platforms using HTML5/CSS and JavaScript. Now, with Visual Studio Tools for Apache Cordova, Microsoft has provided us an integrated solution for Cordova in Visual Studio. This session will explore how to create an application using Visual Studio Tools for Apache Cordova in VS 2015 and Intel's App Framework to make hybrid mobile applications with a native looking UI. It will also explore how to deploy applications to devices, including using a Mac build server for iOS. After this session, and with a bit of HTML5/CSS and JavaScript knowledge, you should be well on your way to learning how to write Cordova applications in Visual Studio.

You will learn:

- Understand the basics of Cordova and how to create an application
- See how the application can be built and deployed to Windows, Android and iOS devices
- Understand some of the advantages and disadvantages of using Cordova to create your mobile applications

TH01 Everything You Always Wanted To Know About REST (But Were Afraid To Ask)*Intermediate / Advanced*

JON FLANDERS

Thursday, October 1, 8:00 – 9:15am

REST is a well-known acronym (standing for Representational State Transfer), but the details of the actual architectural style and its benefits are less well understood.

This talk will concentrate on how to use the constraints of REST to build services and clients that can change easily over time.

You will learn:

- About the constraints of REST
- How to build a Hypermedia based client
- How to apply REST and Version your systems

SESSION DESCRIPTIONS BY TRACK

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TH05 Comparing Performance of Different Mobile Platforms*Introductory / Intermediate*

KEVIN FORD

Thursday, October 1, 9:30 – 10:45am

One question I am frequently asked is how classic Xamarin, Xamarin Forms, and Cordova compare to native technologies in terms of performance. In this session, I'll look at an application written on all of these development stacks for iOS and Android and compare them to each other in a number of different areas including CPU intensive tasks, IO intensive tasks, memory management, application size, code reuse and load times. For anyone analyzing which of these technologies to use or for anyone who is using one and is wondering how it compares to the others, this session is for you.

You will learn:

- About native, classic Xamarin, Xamarin Forms, and Cordova each have areas where they excel and areas where they are at a disadvantage
- About the numerous options that can have significant impact on the application from size and performance

All the sessions were close together. Very glad I am able to take information back to my company that is immediately useful, plus I learned about new tech that I had not heard of before.

- William Howell, Rollins Inc.

Visual Studio / .NET

Microsoft continues to deliver updates at a rapid pace. In 2014, Microsoft released quarterly updates to Visual Studio and Team Foundation Server (TFS) on-premises and the Visual Studio Online (VSO) service saw updates about every three weeks. Then at the end of 2014, they released the first public preview of Visual Studio 2015. 2015 promises to be an exciting release with new versions of Visual Studio, TFS, and continued updates to VSO, not to mention Microsoft's exciting venture into more open source and cross-platform development. From ALM to DevOps and core code cutting, Microsoft has a ton of new stuff that you need to learn. Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, DevOps, and the .NET Framework today and into the future. Topics in this track include:

- Sessions focused on Visual Studio 2013 (and 2015 preview), .NET 4.5 and C# 6.0
- ALM, Visual Studio tooling and Visual Studio Online
- Asynchronous programming
- DevOps best practices and shipping code

T16 Defensive Coding Techniques in C#*Introductory / Intermediate*

DEBORAH KURATA

Tuesday, September 29, 3:00 – 4:15pm

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:

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

W04 What's New in C# 6.0*Introductory / Intermediate*

JASON BOCK

Wednesday, September 30, 9:15 – 10:30am

Dissatisfied that C# 5 only added `async` and `await`? In C# 6, you're going to get a lot more features. This session will cover what these features are (such as `nameof` and string interpolation) and how they work in detail so you'll know when to use them effectively in your new .NET projects.

You will learn:

- How the new C# 6 features work
- What the features provide and how to use them effectively
- About the new "open" world of C# and how one can be a part of future language evolution

SESSION DESCRIPTIONS BY TRACK

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W08 Using Microsoft Application Insights to Implement a Build, Measure, Learn Loop*Introductory / Intermediate***MARCEL DE VRIES****Wednesday, September 30, 10:45am – 12:00pm**

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.

W12 Enhancing Application Quality Using Visual Studio 2015 Premium Features*Intermediate***ANTHONY BORTON****Wednesday, September 30, 1:30 – 2:45pm**

Many enterprise developers are provided with Visual Studio Premium or Ultimate, yet continue to use the

standard features they’ve been using for years. In this demonstration packed session, see how you can use features in Visual Studio Premium to enhance your application quality and build better software. Some of the features we’ll look at include the Fakes framework, Code Coverage, Code Clone, Code review, Code Maps and much more. We’ll also peek at some of the Ultimate features briefly. While the session will demonstrate Visual Studio 2015, most of the features exist in earlier releases.

You will learn:

- How to become more productive and write higher quality code through the use of Visual Studio features you may not be familiar with

W16 Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI*Introductory / Intermediate***MARCEL DE VRIES****Wednesday, September 30, 3:00 – 4:15pm**

How well do you test your Web application or Web site? 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 and 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.

W20 Managing the .NET Compiler*Intermediate***JASON BOCK****Wednesday, September 30, 4:30 – 5:45pm**

With the new compiler APIs, Microsoft has let .NET developers access 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:

- All about the new 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

TH04 Not Your Grandfather’s Build—A Look at How Build Has Changed in 2015*Intermediate***ANTHONY BORTON****Thursday, October 1, 8:00 – 9:15am**

Being the person responsible for your team’s build is often seen as a punishment by many developers. Customizing your build workflow using Windows Workflow in Team Foundation Server is grueling and not for the faint of heart. That’s all changed now. In this session, we’ll look at how building your application using Microsoft’s ALM tools has transformed from an ogre into a prince! This session isn’t just for the build master but for any development team member wanting to learn about the exciting new world of Build in Visual Studio ALM.

SESSION DESCRIPTIONS BY TRACK

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You will learn:

- How build has undergone a huge transformation with the 2015 release and to ensure more developers to get involved in their builds

TH08 Async Patterns for .NET Development*Introductory / Intermediate***BEN DEWEY****Thursday, October 1, 9:30 – 10:45am**

In this session, Ben Dewey will dive deep into asynchronous development using .NET. The session will start with some basic async/await patterns and the pitfalls and considerations of using this technique. It will follow up with advanced Task and the TaskCompletion source usage to build your own custom combinators.

You will learn:

- How async and await work under the covers
- How to avoid the common pitfalls of async code
- How to create custom async and await scenarios from scratch

TH12 DevOps and ALM-Better Together Like Peanut Butter and Chocolate*Intermediate***BRIAN RANDELL****Thursday, October 1, 11:00am – 12:15pm**

Chocolate and peanut butter is often described as a food match made in heaven. And as we continue to evolve how we build software, we're seeing a need to break down barriers and bring organizational units together to deliver solutions more quickly. Application Lifecycle Management (ALM) and DevOps are a software process equivalent of chocolate and peanut butter—a possible match made in heaven. In this workshop, Brian will cover what you need to know related to ALM and DevOps with

the Microsoft stack. He'll be digging into Visual Studio 2015, Team Foundation Server 2015, and Visual Studio Online and he'll examine all of the features Microsoft has been working on to make DevOps a reality. Brian will cover the techniques and tooling around DevOps including Enterprise Agile and Release Management. He demo how you can get started and talk about the psychology of DevOps in an organization.

You will learn:

- What's new for ALM & DevOps for Visual Studio 2015
- What's new for ALM & DevOps for Team Foundation Server 2015
- What's new for ALM & DevOps for Visual Studio Online

TH16 To Git or Not to Git for Enterprise Development*Advanced***BENJAMIN DAY****Thursday, October 1, 1:30 – 2:45pm**

Git is all the rage. But is it right for your project? It's one thing to use Git for a phone app you're working on with your buddies. It's another thing entirely when you're working on giant applications with gigabytes of code and dozens of developers. Is Git right for that kind of "enterprise" software development?

In this session, Ben will show you Git from the perspective of a Visual Studio and Team Foundation Server user and discuss the ins, outs, and gotchas of using Git for large-scale, enterprise software development. Along the way, he'll discuss how Git changes your perspective on branching, code reviews and cross-platform development. We'll wrap up by discussing how to use Git with existing solutions and how to integrate Git with your existing TFS version control repositories.

You will learn:

- What makes Git so different? (offline copy of repo, distributed)

- How to use branching for scrum
- How to use pull requests
- About Git for TFS users (break yourself from folder-based thinking, Git+TFS)
- What's in the Visual Studio UI vs. command line
- How does Git streamline cross-platform development?

TH20 Load Testing ASP.NET & WebAPI with Visual Studio*Intermediate / Advanced***BENJAMIN DAY****Thursday, October 1, 3:00 – 4:15pm**

It's a common problem. You're getting close to when you're supposed to deploy your new ASP.NET application in to production and somehow it just doesn't seem very fast. Or maybe you've deployed your application in to production and now you're getting complaints from customers that it's just plain crazy-slow or that there are intermittent errors. You've got performance problems. Thankfully, Visual Studio has some great features to help out of this bind.

In this session, Ben will start out with a running Web application with performance problems and show you how to find and fix these performance problems using Web Performance Tests, Load Tests, Unit Tests, Performance Explorer, custom performance counters, and code profiling. Along the way, Ben will discuss what you need to run your load tests in the cloud using Visual Studio Online or on-premise with a Load Test Rig.

You will learn:

- What are the performance testing tools in the Visual Studio world?
- When you have an underperforming app, how do you use the tools to recreate and find the problem(s) in the system?
- How do you use the VS code profiling tools to find problems in the code?
- About load testing in the cloud
- About load testing using an on-premises load test rig

SESSION DESCRIPTIONS BY TRACK

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Web Development

Microsoft's focus on the Web is serious. There's increased support for HTML5, a new version of ASP.NET, and numerous tooling advances. HTML5 and JavaScript are the basis for virtually all modern Web development. JavaScript is increasingly being used as a server-side development language. This track will cover HTML5, JavaScript, and ASP.NET. Our ASP.NET coverage includes ASP.NET MVC, Web API, and ASP.NET 5, a transformative shift in the Microsoft Web development technology stack. This content will help Web developers create rich and compelling experiences for users. Sessions include:

- JavaScript, HTML 5, and CSS 3
- ASP.NET 5
- Angular, Knockout and TypeScript
- Single Page Applications (SPAs) with Breeze
- Gulp, Grunt and Bower
- SignalR

T01 AngularJS 101*Introductory***DEBORAH KURATA****Tuesday, September 29, 9:15 – 10:30am**

This beginner-level session introduces the .NET developer to AngularJS using Visual Studio. The session begins with an acronym-free description of the concepts and terms required to successfully build a Web application with Angular.

During this session, we'll build a simple Angular application starting from an empty Web site in Visual Studio. We'll add directives to build our first page. Then we'll create a module and a controller to complete a simple application.

You will learn:

- About Angular concepts and terms
- The basics of building an Angular application

- The basics of implementing Bootstrap styles in an HTML page

T05 AngularJS Forms and Validation*Introductory / Intermediate***DEBORAH KURATA****Tuesday, September 29, 10:45am – 12:00pm**

It's not enough for a Web-based data entry form just to collect data. It should facilitate entering relevant, accurate, and valid data. It should also help prevent entry of incorrect, invalid and erroneous data.

This session covers how to build Angular forms and implement data entry validation. We'll start with simple validation with associated validation messages. Then we'll move on to building custom validators and working with asynchronous validation when the validation logic must remain on the server.

You will learn:

- How to build web-based data entry forms using HTML and AngularJS
- The basics of client-side validation
- How to implement asynchronous server-side validation

W14 ASP.NET MVC: All Your Tests Are Belong To Us*Intermediate / Advanced***RACHEL APPEL****Wednesday, September 30, 3:00 – 4:15pm**

You've spent time and effort to build a Web site, and you have to verify it works correctly. You may tire of manually testing Web pages, which is also an error prone process in itself. Have you ever asked yourself if there is an easier way? Would you like to learn how test all facets of an ASP.NET Web application? From C# on the server side, to JavaScript on the client, complete with automated UI testing?

In this session, you'll learn everything you need to know about how to properly test ASP.NET MVC Applications. We'll review testing server side controllers with xUnit, followed by a look at testing JavaScript in MVC Views with qUnit. Once we've covered unit testing, then we'll move onto UI automation testing with WebDriver. You'll learn everything you need to know about how to get up and get testing.

You will learn:

- About the basics of unit and automated UI testing
- How to unit test with xUnit, qUnit, and automate with WebDriver
- Best practices for testing

W18 Build Data-Centric HTML5 Single Page Applications with Breeze*Intermediate***BRIAN NOYES****Wednesday, September 30, 4:30 – 5:45pm**

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. You'll learn how to 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

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TH02 Securing Angular Apps*Intermediate***BRIAN NOYES****Thursday, October 1, 8:00 – 9:15am**

Security is often pushed aside when talking about Angular and SPAs. 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. You’ll learn a combined approach 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

TH06 I Just Met You, and “This” is Crazy, But Here’s My NaN, So Call (Me), Maybe?*Introductory / Intermediate***RACHEL APPEL****Thursday, October 1, 9:30 – 10:45am**

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 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 tricks you can use, like the ‘this’ keyword, JavaScript scoping, evil Eval, and the use of the ‘with’ statement. 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

TH10 Build Real-Time Websites and Apps with SignalR*Introductory / Intermediate***RACHEL APPEL****Thursday, October 1, 11:00am – 12:15pm**

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

TH14 Busy JavaScript Developer’s Guide to ECMAScript 6*Intermediate***TED NEWARD****Thursday, October 1, 1:30 – 2:45pm**

ECMAScript is better known by its original name JavaScript. It has been characterized as the “assembly language of the Web.” This is largely due to its widespread dispersal through the innumerable Web browsers installed on end-users/consumers machines (and mobile devices) over the years. In fits and starts, various organizations, corporations and projects have sought to advance the language, but all have met some degree of failure in one sense or another. Finally, with the upcoming ECMA standard for ECMAScript 6 (“Harmony”), we think we have some progress. In this session, we’re going to look at the proposed changes to ECMAScript/JavaScript, and have a look at what “JavaScript+” will look like, once it finally rolls out to the browsers.

You will learn:

- All about the New syntax
- All about the New semantics
- All about the New idioms

TH18 Busy Developer’s Guide to MEANJS*Intermediate / Advanced***TED NEWARD****Thursday, October 1, 3:00 – 4:15pm**

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 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,

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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:

- Learn to build Node server-side APIs
- Explore using Mongo for storage
- Use AngularJS for the front-end

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

**Windows Client
(Windows 8.1/WinRT, WPF)**

There are more than one billion Windows PCs in the world. Given the media attention on mobile development, it can be easy to forget that Windows remains 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:

- UX Design Principles
- UX for Data Visualization in XAML
- Universal Apps for Windows and Windows Phone
- Building Windows 10 LOB Apps

T11 Windows, NUI and You*Introductory / Intermediate***BRIAN RANDELL****Tuesday, September 29, 1:30 – 2:45pm**

This session will show you how to build great modern experiences including touch, voice, and motion using C# and .NET. You'll dig into design patterns around Natural User Interfaces (NUI) and learn how to build rich experiences that support devices beyond keyboard and mouse. You'll go through the entire process from wire framing, development, to testing of an app that supports touch as well as voice and motion. You'll look at various types of hardware including Kinect.

You will learn:

- About NUI options in Windows
- How to use C# with Kinect
- About different NUI hardware Options

T15 Building Windows 10 LOB Apps*Introductory***BILLY HOLLIS****Tuesday, September 29, 3:00 – 4:15pm**

Windows 10 is now Microsoft's flagship OS, and its Universal Apps platform is suitable for many line-of-business apps. This session will discuss what kinds of applications are especially suitable for your first Windows 10 effort. We'll also cover several of the technical aspects you will encounter, including options for accessing and storing data, both locally and remotely, and options for securing data. The basics of authentication, testing for target devices, and deployment will be covered. We'll round out the session with some tips for bringing it all together for a great user experience.

You will learn:

- How to build Windows 10 LOB apps with Universal Apps templates
- How to access and secure data, authenticate users, and test Windows 10 LOB apps
- How to deploy Windows 10 LOB apps

W03 XAML Antipatterns*Intermediate***BEN DEWEY****Wednesday, September 30, 9:15 – 10:30am**

XAML is a powerful markup for creating extremely rich application designs. With power comes great responsibility and structuring an XAML based application can be challenging. In this session, Ben Dewey will help navigate the myriad of options available when laying out the design of an application. He'll focus on tips and tricks to follow and pitfalls to avoid. This session will focus on WPF, but the XAML techniques can be applied to all XAML based applications such as Silverlight, Windows Phone, and Windows Store based XAML applications.

SESSION DESCRIPTIONS BY TRACK

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You will learn:

- Tips for maintaining clean XAML
- Layout tips for responsive XAML based Applications
- How to create modular code with Custom Controls and User Controls

W07 Extending XAML to Overcome Pretty Much Any Limitation*Intermediate / Advanced***MIGUEL CASTRO****Wednesday, September 30, 10:45am – 12:00pm**

When Microsoft set out to design WPF, Silverlight, and now WinRT XAML Apps, they architected it in a way that if you come across anything that they didn't think of, you can extend the platform yourself. In this session, you'll learn how to develop value converters, two types of behaviors, and your own markup extensions. Behaviors are elements that you set to something in order to add characteristics and functionality to XAML, while markup extensions are what you set properties to. The {Binding} markup extension is one that Microsoft provided for you, now come learn how to write your own, and then some.

- You will learn:
- About XAML extensibility capabilities
- About XAML internals
- Proper usage of various techniques

TH13 WCF & Web API: Can We All Just Get Along?!?*Intermediate***MIGUEL CASTRO****Thursday, October 1, 1:30 – 2:45pm**

Many of your peers have probably told you that you shouldn't be using WCF anymore, or that WCF is dead or some other dumb piece of advice. Miguel can assure you that such rumors of 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.

You will learn:

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

TH17 Recruiters: The Good, The Bad, & The Ugly*Introductory***MIGUEL CASTRO****Thursday, October 1, 3:00 – 4:15pm**

Maybe that title is a little too harsh. But interesting, outrageous, ridiculous, weird? Sometimes even all four fit the bill. Let's face it, recruiters are part of our world, and they're here to stay. And to be honest, they are not all bad but when they decide to get weird on you, they don't mess around.

If you'd like to hear some interesting and maybe even frustrating stories regarding that one animal that we all love to pick on, yet all seem to need, come join me and also feel free to bring your own "horror stories." Every so often, a group needs to unwind and do something a little more light-hearted. I'll top this off with a few of good recruiter stories and share my views on how our two worlds can work together a little better.

You will learn:

- How to identify good recruiters vs. bad ones
- Tips for how to better deal with recruiters
- The joys of light-hearted entertainment and enjoyment

Great overview of different technologies with enough depth to determine best approach for me and my customers.

- James Raeford, Sevatec, Inc.

CONFERENCE ADVISORY BOARD

Andrew Brust

Senior Director, Datameer
Visual Studio Live! Conference Co-Chair



Andrew Brust is Senior Director, Technical Product Marketing and Evangelism at Datameer (<http://www.datameer.com>) and writes a blog for ZDNet called "Big on Data" (<http://www.zdnet.com/blog/big-data>). 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).

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>.

Anthony Borton*ALM Consultant & Trainer, Enhance ALM*

Anthony Borton is the lead ALM consultant for Enhance ALM Pty Ltd, an Australian consulting and training company specializing in Application Lifecycle Management and Microsoft Visual Studio. He has been a Microsoft Certified Professional since 1993 (MS exam 001), a Microsoft Certified Trainer since 1996 and a Microsoft Visual Studio

ALM MVP since 2006. Anthony delivers training on Microsoft's ALM products through Kirkland-based training provider, QuickLearn Inc and is the lead ALM trainer behind www.alm-training.com. Over the past 4 years Anthony has travelled over a million kilometres to help development teams succeed more often using Application Lifecycle Management on the Microsoft stack.

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>.

Andrew Brust*Senior Director, Datameer
Visual Studio Live! Conference Co-Chair*

Andrew Brust is Senior Director, Technical Product Marketing and Evangelism at Datameer (datameer.com) and writes a blog for ZDNet called "Big on Data" (zdnet.com/blog/big-data). 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.

Miguel Castro*Principal Consultant, Melvicorp LLC*

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

Michael Collier*Cloud Solution Architect, Microsoft*

Michael 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.

CONFERENCE SPEAKERS

(continued)

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 spends most of his time helping organizations build Enterprise Applications and implementing Application Lifecycle Management (ALM) practices and tooling. Marcel works for a new start-up company called Xpirit that provides premium consulting services on ALM, Cloud, enterprise mobility and Security. His job title there is Chief Technical Manager (CTO). As CTO Marcel spends most of his time looking at how new emerging technologies can help organizations build better quality software and do this is 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 works as a consultant in the field of Application Lifecycle Management, Cloud application architectures and Cross platform Enterprise Mobile app development. Marcel writes 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 Tech Ed and local user group events. Marcel also spends a lot of time teaching topics like Visual Studio ALM, Windows Workflow Foundation, Xamarin Mobile app development and Web development. In his spare time he is also an author of online courses at Pluralsight. Marcel is awarded by Microsoft the Microsoft ALM MVP award and 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>.

Jon Flanders*iOS Developer at Ticketmaster*

Jon has over 15 years of experience working on web and service technologies. He is the author of RESTful.NET from O'Reilly, as well as Essential ASP for Addison-Wesley, and was a co-author of Mastering Visual Studio.NET for O'Reilly. Today his focus is building scalable services that interact with mobile applications, with special concentration on iOS.

Mary Jo Foley*Journalist and Author*

Mary Jo Foley has been a tech journalist for more than 25 years. She has worked for a variety of tech publications and Web sites, including PCWeek/eWeek, CRN and ZDNet. She is the editor of the "All About Microsoft" blog (allaboutmicrosoft.com) on ZDNet, a

regular columnist for Redmond Magazine, and is the co-host of the Windows Weekly show on the TWiT network. She's also a frequent commentator and speaker on all things Microsoft-related on TV, radio, podcasts and at industry events.

CONFERENCE SPEAKERS

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Kevin Ford*Mobile Practice Lead, Magenic*

Kevin Ford is the Mobile Practice Lead with Magenic leading development with native mobile technologies, Xamarin and Cordova. For over twenty years he has worked with enterprise application development using the Microsoft stack and moved to native to

follow his passion for creating innovative solutions in a quickly evolving space. Kevin is an accomplished architect and thought leader at Magenic and continues to build and expand as the mobile space changes. He works with each region to ensure that Magenic consultants have the right relationships, resources, and opportunities to advance their mobile technical skills. Kevin holds an MBA from Babson.

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.kevinsgooff.net.

Brian Harry*Corporate Vice President, Microsoft*

Brian Harry is a Microsoft corporate vice president and leads the developer services efforts at Microsoft, including Team Foundation Server, Visual Studio Online and MSDN. Brian has worked in developer platforms and tools for over 20 years and has a passion for development process and enabling teams of developers to be productive and create great software. Brian has experience organizing and leading teams of thousands of developers and works to share his learning from that experience through products and guidance delivered in Visual Studio.

Before joining Microsoft Brian worked in two startups - Da Vinci Systems (an early electronic mail company) and One Tree Software (developers of SourceSafe). One Tree Software was acquired by Microsoft in 1994.

In '96 Brian and a few others began working on the problem of improving the approachability of our API for the developer masses. Although this started as investigating ways to extend COM it eventually grew into what we now know of as the .NET Framework. For a couple of years, Brian was the Development manager for the Common Language Runtime and then served as the Product Unit Manager through the rest of the V1 and most of the V1.1 product cycle.

In 2002 Brian opened a remote development center in North Carolina and formed the Team Foundation Server team.

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.

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

CONFERENCE SPEAKERS

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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.

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 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).

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.

Very knowledgeable
instructors and they
are so willing to
answer questions.

- Danny Cook, Avintus

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

www.microsoft.com

GOLD SPONSOR



GitHub

GitHub is the best way to build software together. Whether it's your company's app, your favorite open source library, or a weekend side project, GitHub helps everyone work better by providing tools for easier collaboration and code sharing on any device. Start collaborating today—open source project hosting is free!

<https://github.com>

PREMIER MEDIA PARTNERS



.NET Developers Association

The .NET Developers Association is an Eastside community oriented group aimed at furthering the education of .NET developers.

www.meetup.com/.NET-Developers-Association/



NYC Mobile .NET Developers Group

We will meet regularly to explore the use of .NET for building mobile applications. We will focus on multi-platform mobile development, including Xamarin.iOS, Xamarin.Android, Windows Phone, Windows 8, and ASP.NET.

This group is targeted at all skill levels, from beginners to experts in .NET looking to explore the mobile space and reuse your existing knowledge. We will have a mixture of presentations, discussions and demos with plenty of opportunities to get to know each other.

<http://www.meetup.com/nycmobiledev/>

MEDIA PARTNERS



Canada's Technology Triangle
.NET User Group
www.meetup.com/CTTDNUG

Haishi Bai

Haishi Bai
<http://haishibai.blogspot.com>



London .NET Developers Group
www.meetup.com/London-NET-Developers-Group



Tech Valley .NET
User Group
www.tvug.net



Central Ohio Cloud Computing User Group

The Central Ohio Cloud Computing User Group is a monthly meeting to discuss many aspects of cloud computing. The group is a community driven group which will discuss a wide range of ideas, problems, solutions, and technologies which compromise cloud computing. If it is cloud computing related, we're into it!
<http://coccug.com>

Chicago Area DNN Users Group

Chicago DNN Users Group

The Chicago Area DotNetNuke Users Group supports users, developers, and organizations that use and develop websites for DotNetNuke within the Chicagoland area.

www.chicagodnn.org/

UserGroup.TV

UserGroup.TV

Watch technical User Group presentations online for FREE

<http://usergroup.tv>

ALLIANCE MEDIA PARTNER



Windows Developer User Group

www.meetup.com/windowsdevug

Visit vslive.com/newyork to see our growing list of partners.

VENUE & TRAVEL



WITH SO MANY AVANTE GARDE MOVEMENTS AND CULTURAL ICONS EMERGING FROM BROOKLYN THESE DAYS, IT'S THE PERFECT DESTINATION FOR A CODE TRIP. VISUAL STUDIO LIVE! NEW YORK 2015 WILL NAVIGATE THE .NET HIGHWAY AT THE NEW YORK MARRIOTT AT THE BROOKLYN BRIDGE ONCE AGAIN. VENTURE OUT IN BROOKLYN FOR A CHANGE, OR REVISIT YOUR FAVORITES IN THE BIG APPLE—YOU'LL GET THE BEST OF BOTH WORLDS IN THE COMFORT OF A FULL-SERVICE LUXURY HOTEL, AND NOT TO MENTION, A STUNNING VIEW OF THE MANHATTAN SKYLINE.

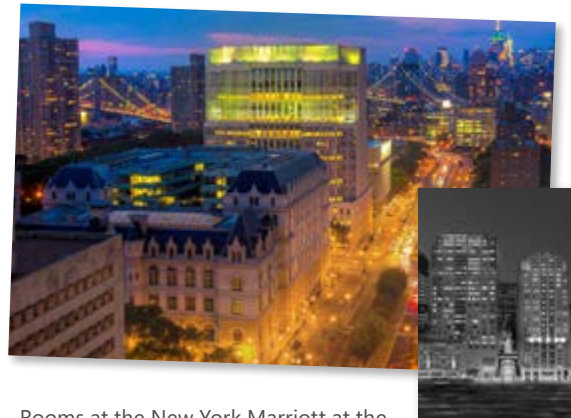
The New York Marriott at the Brooklyn Bridge

333 Adams Street
Brooklyn, NY 11201

Special attendee rate: \$289*

Book by: September 9, 2015

BOOK YOUR ROOM ONLINE or by calling Reservations at 800.266.9432 and ask for the Visual Studio Live! Room Block. The offer is subject to room availability, so make sure to book early.



Rooms at the New York Marriott at the Brooklyn Bridge in the Visual Studio Live! Room Block also include complimentary in-room internet connectivity.

* Rooms are subject to availability and applicable state, local and occupancy taxes.

Travel

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

FOR MORE TRAVEL INFORMATION, VISIT: <https://vslive.com/events/new-york-2015/information/travel.aspx>

Discover New York

Exploring Brooklyn and New York To discover everything you never know about Brooklyn, visit [Brooklyn Tourism](#), and visit NYC's official tourism site, [NYC & Company](#) to experience the Big Apple.



REGISTRATION PACKAGES

SIGN UP for the conference package that best meets your schedule and needs!

Register now at vslive.com/newyork

SIGNING UP 3 OR MORE?

Group Discounts are available! Turn to [page 34](#) for pricing details.

ARE YOU A VISUAL STUDIO LIVE! OR LIVE! 360 ALUMNUS?

Alumni discounts are available! Turn to [page 35](#) for pricing details.

Visual Studio Live! 4-Day Package

The Visual Studio Live! 4-Day Package is your four day all-access pass to every keynote, session, workshop and event September 28 – October 1, 2015.

VISUAL STUDIO LIVE! 4-DAY PACKAGE INCLUDES:

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Reception
- Networking Events
- Lunch (September 28 – October 1)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and wsample code

SUPER EARLY BIRD BY AUGUST 5, 2015

\$1,795
Save \$300

EARLY BIRD BY SEPTEMBER 2, 2015

\$1,895
Save \$200

STANDARD AFTER SEPTEMBER 2, 2015

\$2,095

Add the Hotel package to your Visual Studio Live! New York 4-Day Conference Package

The Visual Studio Live! New York 4-Day Hotel Package includes four nights at the NY Marriott at Brooklyn Bridge (Room and tax only)—*available Sunday night (September 27) through Wednesday night (September 30), departing Thursday (October 1).*

Add 4-Day Hotel Package: \$1,375

REGISTER NOW at
vslive.com/newyork

REGISTRATION PACKAGES

(continued)

SIGNING UP 3 OR MORE?

Group Discounts are available! Turn to [page 34](#) for pricing details.

ARE YOU A VISUAL STUDIO LIVE! OR LIVE! 360 ALUMNUS?

Alumni discounts are available! Turn to [page 35](#) for pricing details.

Visual Studio Live! 3-Day Conference Package

The Visual Studio Live! Conference Package grants you access to all sessions and activities September 29 – October 1, 2015.

VISUAL STUDIO LIVE! 3-DAY CONFERENCE PACKAGE INCLUDES:

- All Visual Studio Live! Sessions and Keynotes
- Reception
- Lunch (September 29 – October 1)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and sample code

SUPER EARLY BIRD BY AUGUST 5, 2015

\$1,395
Save \$300

EARLY BIRD BY SEPTEMBER 2, 2015

\$1,495
Save \$200

STANDARD AFTER SEPTEMBER 2, 2015

\$1,695

Add the Hotel package to your Visual Studio Live! New York 3-Day Conference Package

The Visual Studio Live! New York 3-Day Hotel Package includes three nights at the NY Marriott at Brooklyn Bridge (Room and tax only)—*available Monday night (September 28) through Wednesday night (September 30), departing Thursday (October 1).*

Add 3-Day Hotel Package: \$1,050

Workshop Pass (1 Day)

The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on Monday, September 28, 2015.

VISUAL STUDIO LIVE! WORKSHOP PASS INCLUDES:

- Pre-Conference Workshop: Monday, Sept. 28, 2015
- Lunch

\$495

REGISTRATION PACKAGES

(continued)

ARE YOU A VISUAL STUDIO LIVE! OR LIVE! 360 ALUMNUS?

Alumni discounts are available! Turn to [page 35](#) for pricing details.

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! New York 4-Day Group Package

The Visual Studio Live! New York 4-Day GROUP Package is for groups of 3 or more attendees from the same company registering for the four day all-access pass.

VISUAL STUDIO LIVE! NEW YORK 4-DAY GROUP PACKAGE (3+ COLLEAGUES) INCLUDES:

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Reception
- Networking Events
- Lunch (September 28 – October 1)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and wsample code

EARLY BIRD BY SEPTEMBER 2, 2015

\$1,495

Save \$600 off the
Standard Rate

STANDARD AFTER SEPTEMBER 2, 2015

\$1,595

Save \$500 off the
Standard Rate

Add the Hotel package to your Visual Studio Live! New York 4-Day GROUP Package

The Visual Studio Live! New York 4-Day GROUP Hotel Package includes four nights at the NY Marriott at Brooklyn Bridge (Room and tax only)—*available Sunday night (September 27) through Wednesday night (September 30), departing Thursday (October 1).*

Add 4-Day Hotel Package: \$1,375

Visual Studio Live! New York 3-Day Group Package

The Visual Studio Live! New York 3-Day GROUP Package is for groups of 3 or more attendees from the same company registering for the three day conference pass.

GROUP PRICING THROUGH SEPTEMBER 28, 2015

\$1,295

Save \$400 off the Standard Rate

REGISTRATION PACKAGES

(continued)

Visual Studio Live! Alumni 4-Day Package

The Visual Studio Live! Alumni 4-Day Package is your four day all-access pass to every keynote, session, workshop and event September 28 – October 1, 2015.	VISUAL STUDIO LIVE! ALUMNI 4-DAY PACKAGE INCLUDES:	SUPER EARLY BIRD BY AUGUST 5, 2015	EARLY BIRD BY SEPTEMBER 2, 2015	STANDARD AFTER SEPTEMBER 2, 2015
	<ul style="list-style-type: none"> • All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Reception • Networking Events • Lunch (September 28 – October 1) • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and wsample code 	<p>\$1,495</p> <p>Alumni Save \$600</p>	<p>\$1,595</p> <p>Alumni Save \$500</p>	<p>\$1,695</p> <p>Alumni Save \$400</p>

Add the Hotel package to your Visual Studio Live! New York 4-Day Alumni Package

The Visual Studio Live! New York 4-Day Hotel Package includes four nights at the NY Marriott at Brooklyn Bridge (Room and tax only)—*available Sunday night (September 27) through Wednesday night (September 30), departing Thursday (October 1).*

Add 4-Day Hotel Package: \$1,375