



CODE BY THE BAY

4 Days of Educational
Sessions and Workshops!

DEVELOPMENT TRACKS INCLUDE:

- Visual Studio / .NET
- Web Development
- Cloud Computing
- Mobile Client
- Database and Analytics
- Windows Client



STAY CONNECTED

to Visual Studio Live! on our social networks



Twitter: <http://twitter.com/vslive>
LIVE TWEETS – #vslive



Facebook: <https://www.facebook.com/VSLiveEvents>



LinkedIn: www.linkedin.com
JOIN "Visual Studio Live!" GROUP

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](#)

10

[Cloud Computing](#)

11

[Mobile Client](#)

14

[Database and Analytics](#)

15

[Web Development](#)

18

[Visual Studio/.NET](#)

21

[Windows Client](#)

24

[Advisory Board](#)

25

[Speakers](#)

29

[Sponsors & Exhibitors](#)

30

[Venue & Travel](#)

31

[Registration Packages & Pricing](#)



A MESSAGE FROM THE CONFERENCE CO-CHAIRS

IT HAS BEEN A WHILE SINCE VISUAL STUDIO LIVE! WAS IN SAN FRANCISCO, AND WE'RE THRILLED TO BE BACK!

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! San Francisco and we'd like to personally invite you to join us this June at The Fairmont in San Francisco. 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, with a special focus on cross-platform mobile development.

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

If you're a .NET smart client developer, WPF, Windows Runtime (WinRT), Universal Apps, Shared Projects, Portable Class Libraries, and

Xamarin are all critical technologies you need to know.

If you're a web developer, Microsoft's new ASP.NET 5 is a tremendous change, improving on the capabilities of ASP.NET. Leveraging this new version means learning a lot of new concepts and techniques that are critical to success.

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

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

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

Then there's Microsoft Azure, which affects us all, no matter what type of app creation you specialize in. The capabilities steadily grow while the costs decrease, but with continual enhancements, there's always something new to learn. The value of Azure

is something you can't afford to ignore, especially if you have an MSDN subscription.

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! San Francisco.

We hope to see you there!



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



Rockford Lhotka
CTO, Magenit
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! San Francisco

1 CODE BY THE BAY. Join us on our first trip to San Francisco in 6 years to get 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 REGISTER BEFORE THE SAVINGS WASH AWAY. Get 4 days of developer-focused education for a great price! Plus, the earlier you register, the more you save!

4 MORE VIEWS THAN FROM THE GOLDEN GATE BRIDGE. 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 FILL UP ON CONTENT. What you need to know now: the information-packed 4-day agenda offers multiple sessions in tracks such as Visual Studio / .NET, Cloud Computing, Mobile Client, Windows Client, Database and Analytics and Web Development.



6 DON'T BE AFRAID TO SHIFT GEARS. Moving to the Cloud? Embracing enterprise mobility? Opening the floodgates of open source development? Are you ready? Andrew Brust, Rockford Lhotka, and Brian Randell, our conference co-chairs, are here to help you not only understand and work with the change, but master it!

7 APPROACHABLE EXPERTS. Sit down for some one-on-one time with the likes of Andrew Brust, Miguel Castro, Billy Hollis, Ted Neward, and Deborah Kurata. Speakers at Visual Studio Live! are always able and willing to talk to you outside of sessions—it's a great opportunity to get insightful, on-point answers to some of your burning questions!

8 WE ARE VISUAL STUDIO LIVE! The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 and 2015 provides even 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 NETWORK ATOP NOB HILL. Developers, engineers, software architects and designers will all be at the conference from all around the world—take advantage of the meals and networking events to get to know your colleagues.

10 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.



REGISTER NOW at
vslive.com/sf



The Fun Stuff:

VISUAL STUDIO LIVE! SAN FRANCISCO EVENTS

YOUR ATTENDANCE AT VISUAL STUDIO LIVE! SAN FRANCISCO 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, June 15,
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 downtown San Francisco. 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, June 16,
4:15 - 5:30pm**

All conference attendees are invited to celebrate the start of Visual Studio Live! San Francisco 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



Dine-A-Round Dinner



Welcome Reception

BIRDS OF A FEATHER LUNCH

**Wednesday, June 17,
12:00 – 1:30pm**

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

BIRDS OF A FEATHER TABLE TOPICS:

- Message Pumps and hWnds, OnPaint and MVVM, I still want great Windows Clients—do you?
- Metro, modern, or Universal—can it be a great client for Windows?
- End to end, a modern app is more than just UI—let's talk services.
- Of layers and tiers, bits and bytes, how do you build a modern app?
- What's your favorite framework of the month?
- CSS, LE SS, SASS—web based UI is wonderful—or is it infuriating?
- What do you call your process? Old School? Agile with a little "a"?
- 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.
- Is this thing on? Own a Windows Phone? Come share your favorite apps.
- Cordova? Xamarin? Web? Native? Hybrid? Discuss!
- From Windows Phone to Windows on phones. What's new, what's the same, and what's the uptake?
- ASP.NET 5: what is it, a total reboot?
- ASP.NET on Linux and Mac: what's in it for me?
- Is Azure beating AWS in the Enterprise?
- All or nothing? Cloud-only and cloud-averse companies square off.
- NoSQL: Fad, mere feature set, or category here to stay?
- Big Data, Hadoop and machine learning: what's it all about?
- What's happening to LightSwitch?
- Are cloud business apps a safe way to use LightSwitch? Is LightSwitch a reliable way to do SharePoint development?



AGENDA AT-A-GLANCE

Cloud Computing	Mobile Client	Database and Analytics	Web Development	Visual Studio / .NET	Windows Client
-----------------	---------------	------------------------	-----------------	----------------------	----------------

START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, June 16, 2015 (Separate entry fee required)		
7:30 AM	9:00 AM	Pre-Conference Workshop Registration — Coffee and Morning Pastries		
9:00 AM	6:00 PM	M01 Workshop: 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	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: The Future of Application Development—Visual Studio 2015 and .NET 2015 - Jay Schmelzer, Director of Program Management, Visual Studio Team, Microsoft			
9:15 AM	10:30 AM	T01 Azure 10-10: Top 10 Azure Announcements in "T-10" Months - Vishwas Lele	T02 AngularJS 101 - Deborah Kurata	T03 UX Design Principle Fundamentals for Non-Designers - Billy Hollis	T04 A Lap Around Visual Studio 2015 - Robert Green
10:45 AM	12:00 PM	T05 Cloud or Not, 10 Reasons Why You Must Know "Web Sites" - Vishwas Lele	T06 AngularJS Forms and Validation - Deborah Kurata	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			
1:30 PM	2:45 PM	T09 Building Mobile Cross-Platform Apps with C# and Xamarin - Nick Landry	T10 ASP.NET 5 in all its Glory - Adam Tuliper	T11 Getting Started with Universal Apps for Windows and Windows Phone - Philip Japikse	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 Hack Proofing Your Web Applications - Adam Tuliper	T15 Building Windows 10 LOB Apps - Robert Green	T16 What's New in ALM - Brian Randell
4:15 PM	5:30 PM	Welcome Reception			

Sessions and speakers subject to change.

Continued next page

"All of the presentations I attended were great. Very informative and the presenters showed a lot of expertise. The conference events were also very well done."

- Lynden Headley, Human Kinetics

REGISTER NOW at
vslive.com/sf



AGENDA AT-A-GLANCE (continued)

Cloud Computing	Mobile Client	Database and Analytics	Web Development	Visual Studio / .NET	Windows Client
-----------------	---------------	------------------------	-----------------	----------------------	----------------

START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, June 17, 2015			
7:00 AM	8:00 AM	Registration — Coffee and Morning Pastries			
8:00 AM	9:00 AM	KEYNOTE: Cloud Developer—Are You One? - Kris Lankford, Sr. Product Manager, Microsoft			
9:15 AM	10:30 AM	W01 iOS Native Development - Jon Flanders	W02 Implementing M-V-VM (Model-View-View Model) for WPF - Philip Japikse	W03 Moving Web Apps to the Cloud - Eric D. Boyd	W04 Stop the Waste and Get Out of (Technical) Debt - Richard Hundhausen
10:45 AM	12:00 PM	W05 Swift for .NET Developers - Jon Flanders	W06 Strike Up a Conversation with Cortana on Windows Phone - Walt Ritscher	W07 Solving Security and Compliance Challenges with Hybrid Clouds - Eric D. Boyd	W08 Best Practices for Using Open Source Software in the Enterprise - Marcel de Vries
12:00 PM	1:30 PM	Birds-of-a-Feather Lunch — Visit Exhibitors			
1:30 PM	2:45 PM	W09 Building Cross Platform UI with Xamarin.Forms - Walt Ritscher	W10 Take a Gulp, Make a Grunt, and Call Me Bower - Adam Tuliper	W11 To Be Announced	W12 Automated Build, Test & Deploy with TFS, ASP.NET, and SQL Server - Benjamin Day
3:00 PM	4:15 PM	W13 Adding Analytics to Your Mobile Apps on Any Platform with Microsoft Application Insights and Hockeyapp - Marcel de Vries	W14 Securing Angular Apps - Brian Noyes	W15 Microservices. What's the Big Deal? - Rick Garibay	W16 Professional Scrum Development Using Visual Studio 2015 - Richard Hundhausen
4:30 PM	5:45 PM	W17 Creating Applications Using Android Studio - Kevin Ford	W18 - Build Data-Centric HTML5 Single Page Applications with Breeze - Brian Noyes	W19 A Pragmatic Reference Architecture for The Internet of Things - Rick Garibay	W20 Load Testing ASP.NET & WebAPI with Visual Studio - Benjamin Day
7:00 PM	9:00 PM	Visual Studio Live! Evening Event			

Sessions and speakers subject to change.

Continued next page

"This was one of the best conferences I have been to. I like that the training is what is important, and not the vendors."

- Kerry Seley SGT. Grit Marine Specialties

REGISTER NOW at
vslive.com/sf



AGENDA AT-A-GLANCE (continued)

Cloud Computing	Mobile Client	Database and Analytics	Web Development	Visual Studio / .NET	Windows Client
-----------------	---------------	------------------------	-----------------	----------------------	----------------

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 Using Multi-Device Hybrid Apps to Create Cordova Applications - Kevin Ford	TH02 Build Real-Time Websites and Apps with SignalR	TH03 Windows, NUI, and You - Brian Randell	TH04 To Git or Not to Git for Enterprise Development - Benjamin Day
9:30 AM	10:45 AM	TH05 Everything You Always Wanted To Know About REST (But Were Afraid To Ask) - Jon Flanders	TH06 Knocking it Out of the Park with Knockout.JS - Miguel Castro	TH07 Building Rich Data Web APIs with ASP.NET OData - Brian Noyes	TH08 What's New in C# 6.0 - Jason Bock
11:00 AM	12:15 PM	TH09 Comparing Performance of Different Mobile Platforms - Kevin Ford	TH10 To Be Announced	TH11 Power BI 2.0: Analytics in the Cloud and in Excel - Andrew Brust	TH12 Microsoft's .NET is Now Open Source and Cross-Platform. Why it Matters - Mark Rosenberg
12:15 PM	1:30 PM	Lunch			
1:30 PM	2:45 PM	TH13 Programming WPF with MVVM—Advanced Topics - Miguel Castro	TH14 Busy JavaScript Developer's Guide to ECMAScript 6 - Ted Neward	TH15 Big Data and Hadoop with Azure HDInsight - Andrew Brust	TH16 Managing the .NET Compiler - Jason Bock
3:00 PM	4:15 PM	TH17 Extending XAML To Overcome Pretty Much Any Limitation - Miguel Castro	TH18 ASP.NET MVC: All Your Tests Are Belong To Us	TH19 Busy Developer's Guide to NoSQL - Ted Neward	TH20 Async and Await Best Practices - Mark Rosenberg

Sessions and speakers subject to change.

"I really enjoyed the architectural and business focus of a lot of the talks. They focused on the technology without losing the context of the business."

- John Hain, Denta Quest

REGISTER NOW at
vslive.com/sf



Keynotes

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

Tuesday, June 17, 8:00 – 9:00am

KEYNOTE: The Future of Application Development—Visual Studio 2015 and .NET 2015



Jay Schmelzer
*Director of Program Management,
Visual Studio Team,
Microsoft*

The next release of Visual Studio and .NET include a rich set of new capabilities for desktop, device, web and cloud app developers. See how this release will increase your productivity building the apps you work on today and the new opportunities available to you in the future.

Wednesday, June 18, 8:00 – 9:00am

KEYNOTE: Cloud Developer—Are You One?



Kris Lankford
*Senior Product Manager,
Microsoft*

All the hype is about cloud and how it is going to help with DevOps motions, scalability and meeting the demands of the pressure put on delivering quality software. In this demo packed session we are going to cover Microsoft Azure and Visual Studio to show you how you can take the skills and applications you have today and shift to cloud development. I know it may not be an easy path for everyone but we want to show you how easy it is to be a Cloud Developer.



“I learned a lot of new technologies and speakers provided great resources.”

- Lisa Dowdell, Clerk of the Circuit Court, Cook County

REGISTER NOW at
vslive.com/sf



SESSION DESCRIPTIONS BY TRACK

Cloud Computing

A growing number believe the future of application development is service-based and in the cloud. Cloud computing offers flexible scalability and can provide a less expensive way to host many applications. Even if you aren't 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

T01 - Azure 10-10: Top 10 Azure Announcements in "T-10" Months

Introductory

VISHWAS LELE

Tuesday, June 16, 9:15 – 10:30am

In this session, we'll review the top 10 advancements in Microsoft Azure that have significantly widened the choices for developers (and for DevOps). This is a demo heavy session. The last occurrence of this presentation included just one slide, which you can see here at <http://bit.ly/Azure1010>

You will learn:

- About the key benefits of the Azure platform through a high level overview
- About recent developer/DevOps enhancements (tooling, services, API)
- From real world examples for leveraging Azure you can apply in your own context

T05 - Cloud or Not, 10 Reasons Why You Must Know "Websites"

Intermediate

VISHWAS LELE

Tuesday, June 16, 10:45am – 12:00pm

In this session, we'll 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 sites architecture
- About continuous integration and deployment with Web sites
- About Web site and hybrid connectivity

W03 - Moving Web Apps to the Cloud

Intermediate

ERIC D. BOYD

Wednesday, June 17, 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? In this session, we'll take a simple, traditional ASP.NET app and walk through the process of migrating to Azure. We'll discuss the 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

W07 - Solving Security and Compliance Challenges with Hybrid Clouds

Intermediate

ERIC D. BOYD

Wednesday, June 17, 10:45am – 12:00pm

When considering public clouds, many industries and companies have concerns about security, intellectual property and regulatory compliance challenges. The good news is a hybrid cloud can often 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

W15 - Microservices. What's the Big Deal?

Introductory to Intermediate

RICK GARIBAY

Wednesday, June 17, 3:00 – 4:15pm

Web Services aren't new. However, the resurgence of microservices as an architectural style coupled with



SESSION DESCRIPTIONS BY TRACK, CONTINUED

the popularity of Docker style containers is creating new opportunities for developers. As an open platform container technology, Docker is rapidly being adopted by organizations large and small ranging from startups to web properties and apps you use every day.

In this session, you'll get a look from Rick G. Garibay on what this microservices buzz is all about and why the container deployment model is such a great fit. You'll learn how to get up and running with Docker containers to deploy your apps that take advantage of both isolation and reuse and how Docker allows you to further bridge the gap between development and operations resulting in unprecedented agility and flexibility.

Moreover, you'll learn how this new deployment model promotes continuous delivery while avoiding the traditional vendor lock-in issues inherent with traditional PaaS platforms giving you the flexibility to move between your own data center and public cloud providers of your choice with ease.

You will learn:

- Gain an understanding of what microservices are all about
- Learn how container technology is revolutionizing the way we design, build and deploy service-oriented applications
- Learn how you Docker containers allow you to choose the public cloud provider of your choice with no compromise or lock in

W19 - A Pragmatic Reference Architecture for the Internet of Things

Introductory / Intermediate

RICK GARIBAY

Wednesday, June 17, 4:30 – 5:45pm

We already know that the Internet of Things is big. It isn't something that's coming. It's already here. From manufacturing to healthcare, retail and hospitality, transportation, utilities and energy, the shift from

Information Technology to Operational Technology and the value that this massive explosion of data can provide is taking the world by storm.

But IoT isn't a product. It's not something you can buy. As with any gold rush, snake oil abounds. The potential is massive and the good news is that the technology and platforms are already here!

But how do you get started? What are the application and networking protocols at play? How do you handle the ingestion of massive, real-time streams of data? Where do you land the data? What kind of insights does the data at scale provide? How do you make sense of it and/or take action on the data in real time scaling to hundreds if not hundreds of thousands of devices per deployment?

In this session, Rick G. Garibay will share a pragmatic reference architecture based on his experience working with dozens of customers in the field and provide an insider's view on some real-world IoT solutions he's led. He'll demystify what IoT is and what it isn't, discuss patterns for addressing the challenges inherent in IoT projects and how the most popular public cloud vendors are already providing the capabilities you need to build real-world IoT solutions today.

You will learn:

- Gain an understanding of what IoT is and the opportunities it represents for you as a developer and or architect
- Learn about real-world scenarios and how they have been realized

Take away a platform-agnostic, canonical reference architecture for envisioning your first of next IoT solution.

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

M02 - Workshop: Native Mobile App Development for iOS, Android and Windows Using C#

Intermediate

MARCEL DE VRIES

Monday, June 15, 9:00am – 6:00pm

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 and build your mobile app with HTML and JavaScript? Or 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 will walk you through the process of building one app for multiple platforms. He'll show how to share as much code as possible, while

SESSION DESCRIPTIONS BY TRACK, CONTINUED

keeping the uniqueness of each platform to appeal to the native users. He'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#. He'll also show in detail how you can architect your app in such a way that you can share code amongst these platforms that will help you get much better ROI then building three native apps using the vendor provided toolsets.

You will learn:

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

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

Intermediate

NICK LANDRY

Tuesday, June 15, 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 requires 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, which tools you can 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, June 15, 3:00 – 4:15pm

The Cloud is the perfect way to extend mobile applications. Mobile apps don't exist in a vacuum, you never know if you'll have 10 or 10,000 users, and 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.

W01 - iOS Native Development

JON FLANDERS

Wednesday, June 17, 10:45am – 12:00pm

Details to be announced.

W05 - Swift for .NET Developers

Intermediate

JON FLANDERS

Wednesday, June 17, 10:45am – 12:00pm

Swift is a new multi-paradigm language from Apple for building iOS and OSX apps. It's a modern language with homages 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:

- All about the new Swift language
- How to use Swift to build iOS8 applications
- How Swift works inside of Xcode

W09 - Building Cross Platform UI with Xamarin.Forms

Introductory / Intermediate

WALT RITSCHER

Wednesday, June 17, 1:30 – 2:45pm

Mobile development is a white-hot right now. Everyone wants to develop for the mobile market and get their apps in the hands of millions of customers. However, the splintered mobile landscape quickly eliminates the enthusiasm for creating apps that span all mobile platforms.

Xamarin is a popular cross-platform toolkit aimed directly at the .NET developer. It provides a way to write project code in C# and produce an app that runs on Android,

SESSION DESCRIPTIONS BY TRACK, CONTINUED

iOS and Windows devices. In the early days of Xamarin, the focus was on building a shared code base that works across the various platforms. Instead of writing code in Java, Objective-C and C# a developer can write the majority of the app code in C#. That was a tremendous step forward, but it never addressed the UI dilemma. Each platform has a different set of UI elements and a distinct markup language. Because of this, it was difficult to create a shared cross platform UI in a Xamarin project; you were forced to create three separate presentation layers.

Xamarin.Forms resolves this dilemma. Instead of defining a UI in a set of XAML, AndroidXML and iOS Xib/Storyboard files it uses XAML as the common markup language. Plus it provides a set of UI controls that are simple to use within your XAML. When the app is compiled to native code, the Xamarin.Forms controls are turned into the native UI elements necessary for each mobile platform. Attend this session to learn the fundamentals of Xamarin.Forms.

You will learn:

- How to build a cross platform UI
- How to work-around platform idiosyncrasies
- About the built-in controls
- How to work with layouts

W13 - Adding Analytics to Your Mobile Apps on any Platform with Microsoft Application Insights and Hockeyapp

Intermediate

MARCEL DE VRIES

Wednesday, June 17, 3:00 – 4:15pm

On December 11 2014, Microsoft announced they acquired hockey app and that they will make it an integral part of their Application Insights offer. Application Insights is a 360-degree application analytics product that provides a view of application usage, availability, and performance across both client and

server/cloud application components. In this session, we will explore where the integration of Hockey app with application insights is at this moment. We will look at more detail how we can build iOS, Android and Windows phone applications that report telemetry data back to you, so you can learn and improve the customer experience.

W17 - Creating Applications Using Android Studio

Introductory

KEVIN FORD

Wednesday, June 17, 4:30 – 5:45pm

Many of us have been using Visual Studio for years but it is 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 will 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.

TH01 - Using Multi-Device Hybrid Apps to Create Cordova Applications

Introductory

KEVIN FORD

Thursday, June 18, 8:00 – 9:15am

Cordova is a great way to write hybrid apps that span multiple platforms using HTML5/CSS and JavaScript. Now, with Multi-Device Hybrid Apps, Microsoft has provided us an integrated solution for Cordova in Visual Studio. This session will explore how to create an application using Multi-Device Hybrid Apps 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.

TH05 - Everything You Always Wanted To Know About REST (But Were Afraid To Ask)

Intermediate / Advanced

JON FLANDERS

Thursday, June 18, 9:30 – 10:45am

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, CONTINUED

TH09 - Comparing Performance of Different Mobile Platforms*Introductory / Intermediate*

KEVIN FORD

Thursday, June 18, 11:00am – 12:15pm

This session will take a look at an application written on all Xamarin, Xamarin.Forms and Cordova 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 the advantages and disadvantages of Native, classic Xamarin, Xamarin.Forms and Cordova
- How to review numerous options that can have significant impact on the application from size and performance

“This conference is not a sales pitch. Actual developers present the sessions — I felt the classes were geared more towards me as a developer than the last TechEd conference I attended.”

- Jon Plater, Kantar Retail

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

M01 - Workshop: Big Data, Analytics and NoSQL: Everything You Wanted to Learn but Were Afraid to Ask*Intermediate*

ANDREW BRUST

Monday, June 15, 9:00am – 6:00pm

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, making 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 its 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.

TH07 - Building Rich Data Web APIs with ASP.NET OData*Intermediate*

BRIAN NOYES

Thursday, June 18, 9:30 – 10:45am

ASP.NET Web API makes it easy to write Web APIs or HTTP services of any flavor. The vast majority of remote service call needs for client and Web applications is to perform CRUD operations—retrieve data, work with it on the client side, and send changes back to the server. The OData protocol standardizes how to do this, and ASP.NET Web API makes it easy and powerful to implement OData services. You'll see how you can just use one part of OData - the query syntax - to express rich client queries from the client side that get executed server side without needing to use any other part of the OData spec. Or you can go full OData and use the formatting of OData as well as the query syntax and expose CRUD services that will be standardized and interoperable on almost every relevant platform out there today.

Objectives

You will learn:

- How to support rich client queries using OData query syntax and ASP.NET Web APIs
- How to support full OData querying, updating, and message formatting with ASP.NET Web API
- Why OData makes a compelling approach for CRUD-centric web services

SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH11 - Power BI 2.0: Analytics in the Cloud and in Excel*Intermediate*

ANDREW BRUST

Thursday, June 18, 11:00am – 12:15pm

Version 2 of Power BI 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 gone, gone, gone!

But 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 inside Excel.

Power BI provides a lot to take in, 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.

TH15 - Big Data and Hadoop with Azure HDInsight*Intermediate*

ANDREW BRUST

Thursday, June 18, 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, Visual Studio Live! co-chair and Datameer Senior Director, 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.

TH12 - Busy Developer's Guide to NoSQL*Introductory / Intermediate*

TED NEWARD

Thursday, June 18, 3:00pm – 4:15pm

With the introduction of CouchDB, the world suddenly seems to be alive with a whole slew of "alternative" approaches to data persistence, collectively called "NoSQL" and offers a "slightly different" to "radically different" view of data storage and retrieval. It's left a few developers scratching their heads, trying to figure out when to use a NoSQL database instead of a regular database, much less which NoSQL database to use. In this session, we'll examine the NoSQL ecosystem, look at the major players, how 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

Web Development

Microsoft's focus on the Web is serious. There is 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

T02 - AngularJS 101*Introductory*

DEBORAH KURATA

Wednesday, June 16, 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

SESSION DESCRIPTIONS BY TRACK, CONTINUED

T06 - AngularJS Forms and Validation*Introductory / Intermediate*

DEBORAH KURATA

Wednesday, June 16, 10:45am – 12:00pm

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

This session covers how to build Angular forms and implement data entry validation. We 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

T10 - ASP.NET 5 in all its Glory*Intermediate*

ADAM TULIPER

Tuesday, June 16, 1:30 – 2:45pm

Come hear from Microsoft what ASP.NET 5 brings to the table with all the major exciting changes going on in ASP.NET, including the performance enhancements and multi-platform support. Package management has completely been overhauled. MVC, Web API, and Web Pages have all been merged into one enhanced framework. Project files have been changed to a new format. Entity Framework 7 has been significantly overhauled which affects how it applies to ASP.NET. There are many more exciting changes beyond this as well. Join this session to understand what these features are and how your apps can take advantage of the new amazing features of ASP.NET.

You will learn:

- How to understand the changes to ASP.NET vNext in Visual Studio 2015
- How this affects current applications
- How to utilize the new changes and use cases for them

T14 - Hack Proofing Your Web Applications*Intermediate*

ADAM TULIPER

Tuesday, June 16, 3:00 – 4:15pm

It doesn't matter if you use only HTML/JavaScript, ASP.NET Web Forms or MVC, and so on. Chances are your apps are doing something incorrectly. Developers are notoriously lax with including security in their applications. In an age of hacking, this talk aims to arm you with an arsenal of protections to use while developing.

This presentation explores the most common attacks on Web applications, how they work to exploit your app, and most importantly, how to protect against them. Techniques such as Cross Site Scripting, Session Hijacking, Cross Site Request Forgery, and more will be covered. ASP.NET Web Forms and MVC will be covered as well as pure JavaScript/HTML applications, as both have pros and cons that will be explored. We'll start with a 'broken' application and secure it throughout the presentation. Leave this presentation empowered to immediately start protecting your applications!

You will learn:

- Why many existing applications can be hacked in some way
- About the details of common hack attacks in Web Applications (JavaScript, asp.net, and html attacks that don't require any script)
- Techniques for protecting applications against hack attacks

W10 - Take a Gulp, Make a Grunt, and Call Me Bower*Introductory / Intermediate*

ADAM TULIPER

Wednesday, June 17, 1:30 – 2:45pm

Client side package managers and build systems are aplenty nowadays. We have grunt, bower, nuget, msbuild, and many others. Visual Studio now has built in support for Grunt, Bower, and Gulp. Why so many systems? Isn't Visual Studio just fine with the tools that we currently use?

ASP.NET has typically done things its own way for many years, which has pros and cons. Now there's a vast ecosystem of other technologies, many that now integrate and run just fine on Windows. It makes sense to bring in some of the other tools developers use with much success in other ecosystems. Grunt/gulp let you run client side JavaScript tasks, like minifying a code file. Bower is a package manager for JavaScript libraries that allows you to define, version, and retrieve your client side dependencies. These tools all fill a gap in our development pipeline and once you see their power you will understand their well-deserved place in the ecosystem. Come find out how to utilize these great tools in your Web development workflow.

You will learn:

- How NuGet, Grunt, Bower, and Gulp fit into the development ecosystem, where they may overlap, and how they differ
- What Bower is and how to utilize it
- What Grunt/Gulp are and how to implement them into your workflow

SESSION DESCRIPTIONS BY TRACK, CONTINUED

W14 - Securing Angular Apps

Intermediate

BRIAN NOYES

Wednesday, June 17, 3:00 – 4:15pm

One topic often pushed to the side when talking about Angular and SPAs is security. The short answer is “you can’t secure the client side.” However, the reality is you still need to secure your application as a whole. In this session, you’ll learn about what you can and can’t do with security in Angular, and how you can protect the application as a whole. 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

W18 - Build Data-Centric HTML5 Single Page Applications with Breeze

Intermediate

BRIAN NOYES

Wednesday, June 17, 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

TH02 - Build Real-Time Websites and Apps with SignalR

Introductory / Intermediate

Thursday, June 18, 8:00 – 9:15am

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.

TH06 - Knocking it Out of the Park with Knockout.JS

Intermediate

MIGUEL CASTRO

Thursday, June 18, 9:30 – 10:45am

MVVM on the Web can really work. If you don’t know what Knockout.JS is, you really need to come see me show you the what’s, how’s, and why’s. Knockout.JS lets you do real MVVM on your HTML. This isn’t a large complicated framework like Angular. It does one thing

and one thing only, binding; and it does that really well, and sometimes that’s all you may need. With the help of Web API and Ajax, you can overcome any shortcoming that cannot be totally handled on the client. So come to this session and add another great tool to your Web arsenal. You’ll be on your way to doing single-page-applications on the web in no time.

You will learn:

- How to understand MVVM in the Web world
- How to use Knockout.JS in ASP.NET MVC
- How to integrate Web API with Knockout.JS

TH14 - Busy JavaScript Developer’s Guide to ECMAScript 6

Intermediate

TED NEWARD

Thursday, June 18, 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

SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH18 - ASP.NET MVC: All Your Tests Are Belong To Us*Intermediate / Advanced***Thursday, June 18, 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 must be 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

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 existing 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

M03 - Workshop: ALM and DevOps with the Microsoft Stack*Intermediate***BRIAN RANDELL****Monday, June 15, 9:00am – 6:00pm**

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 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

T04 - A Lap Around Visual Studio 2015*Intermediate***ROBERT GREEN****Tuesday, June 16, 9:15 – 10:30am**

The next version of Visual Studio is here. As you would expect, it's packed with lots of new features. This session will explore many of the features in Visual Studio 2015 and how they increase developer productivity. We'll cover the IDE, programming languages, Roslyn, UI designers, diagnostic tools, and enhancements to building Windows, Web, mobile and cloud apps.

You will learn:

- About the many new features in Visual Studio 2015
- How it makes you more productive in your daily developer life

SESSION DESCRIPTIONS BY TRACK, CONTINUED

- How it provides enhanced tools for building Windows, Web, mobile and cloud apps

T16 - What's New in ALM

Introductory / Intermediate

BRIAN RANDELL

Tuesday, June 16, 3:00 – 4:15pm

2015 will be an exciting year as Microsoft releases new versions of Visual Studio, Team Foundation Server, and Visual Studio Online to help you and your teams build great solutions. Come to this session if you want to learn what's new from Microsoft for Application Lifecycle Management (ALM) and DevOps including changes to version control, work tracking, builds, release management, virtual test labs, and more.

You will learn:

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

W04 - Stop the Waste and Get Out of (Technical) Debt

Intermediate

RICHARD HUNDHAUSEN

Wednesday, June 17, 9:15 – 10:30am

The problem with doing things in a quick and dirty way is that the dirty remains long after the quick is gone. Today's software developers are constantly making tradeoffs of time and quality in order to deliver working software on time. As we code, we suspect there's a better, cleaner way to solve the problem at hand. Since we have forecasts, goals and commitments to achieve we can't invest an inordinate amount of time locating the optimal answer. Solutions that are "fit for purpose" are good enough. In this session, you'll learn where waste

and technical debt come from and, more importantly, some techniques for reducing and possibly removing them all together.

You will learn:

- How to create and use a definition of done
- How Agile software requirements reduce waste and focus the team on developing fit for purpose solutions
- How pairing, code reviews, and other practices can reduce debt and increase code quality

W08 - Best Practices for Using Open Source Software in the Enterprise

Introductory / Intermediate

MARCEL DE VRIES

Wednesday, June 17, 10:45am – 12:00pm

Open source can be a blessing and a curse. We probably all remember incidents like the "heart bleed" vulnerability in a popular open source implementation of SSL. So, if open source becomes more and more prevalent, how can we cope with the challenges that lay at hand? You will be challenged with all sorts of questions in the enterprise like:

What are the license implications when I take a dependency on a library with a viral type of license?

What version of open source libraries are we using and are they the choice of the generic public or did we select one we now need to maintain ourselves?

Are there known vulnerabilities in the libraries we use, and if so, are we affected by that?

This session will take a practical approach and show you how an artefact repository system can help you to answer a lot of these tough questions. You'll learn how to integrate a very popular artefact repository system called Nexus into your continuous deployment strategy and ensure a frictionless experience for your developers by enabling NuGet as their entry point.

You will learn:

- Primary distinctions in Open Source License Types
- What the reason for an artifact repository is in a continuous delivery strategy
- How this enables you to answer questions about your exposure to open source, its license type and known vulnerabilities

W12 - Automated Build, Test & Deploy with TFS, ASP.NET, and SQL Server

Intermediate / Advanced

BENJAMIN DAY

Wednesday, June 17, 1:30 – 2:45pm

Automatically building your ASP.NET code is easy. Create a TFS build and go. But what about database code? How does that get built? If you've got code that that calls the database, how do you test that from an automated build? What about testing those stored procedures and functions? And then there's the deployment hassles. How do you deploy the ASP.NET application and the database code in an automated fashion from a build? It sure would be nice to just run a build and have everything deployed and configured.

This session will start by showing you how to use SQL Server Data Tools Projects (SSDT) to manage your database changes and unit test your database code. Next, we'll put that SQL Server code into TFS version control using Git and TFVC. Then we'll create a build that will compile and test an ASP.NET application. And finally, we'll show you how to deploy these changes to either IIS or Windows Azure with a TFS Build using either PowerShell or Team Foundation Server Lab Management.

You will learn:

- About the importance of versioning database code with compiled (C#) code
- About the basics of TFS Builds (Controllers, Agents, Build Definitions) with Git & TFVC
- How to build customization using Pow



SESSION DESCRIPTIONS BY TRACK, CONTINUED

W16 - Professional Scrum Development Using Visual Studio 2015

Intermediate

RICHARD HUNDHAUSEN

Wednesday, June 17, 3:00 – 4:15pm

Software development teams just starting out with Scrum need guidance. More advanced Scrum teams understand the value of continuous improvement. Regardless of where you are with your mastery of Scrum and Visual Studio, this seminar has something for you. We'll help you improve your understanding and use of tools and practices, while pointing out some common smells and dysfunctions of which you should be cautious. This seminar is ideal for any member of a software development team that is using Scrum or considering Scrum. Product Owners, Scrum Masters, and other managers and stakeholders are invited and will benefit from the many discussions and team-based training activities.

Attendees should be interested in adopting the Scrum framework, understanding how Visual Studio 2015 supports it, or improving their game of Scrum. There will be plenty of time for questions and demonstrations, so bring your hardest Scrum or ALM puzzles to the seminar. Come and improve your game on your way to becoming a high-performance Scrum Development Teams.

You will learn:

- How to plan and track a Scrum software development project using Visual Studio
- How to create, manage and refine a product backlog
- How to plan a sprint, create a sprint backlog, obey a definition of done, assess progress and continually improve

W20 - Load Testing ASP.NET & Web API with Visual Studio

Intermediate / Advanced

BENJAMIN DAY

Wednesday, June 17, 4:30 – 5:45pm

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. Yikes! 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-premise load test rig

TH04 - To Git or Not to Git for Enterprise Development

Advanced

BENJAMIN DAY

Thursday, June 18, 8:00 – 9:15am

Git is all the rage. But is it right for your project? It's one thing to use Git for a phone app that 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?

TH08 - What's New in C# 6.0

Introductory / Intermediate

JASON BOCK

Thursday, June 18, 9:30 – 10:45am

Dissatisfied that C# 5 only added async and await? In C# 6, you're going to get a lot more features. This session



SESSION DESCRIPTIONS BY TRACK, CONTINUED

will cover what these features are (such as name of 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

TH12 - Microsoft's .NET is Now Open Source and Cross-Platform. Why it Matters.

Intermediate

MARK ROSENBERG

Thursday, June 18, 11:00am – 12:15pm

Microsoft is opening up one of its key products. Microsoft has released .NET Core and ASP.NET 5 as open source and is working on cross-platform implementations for Linux and Mac. The .NET Framework was always unsurprisingly Windows-only, which made it a non-starter for many developers, particularly outside corporate IT. This positive new direction means .NET is now available on key desktop and server operating systems. It also means the community can port .NET to any other operating system it wants. These choices are no longer the singular concern of Microsoft. We'll talk about what this means to the industry as a whole, and your business. You will see how you can use this new openness to your advantage today and in the future.

You will learn:

- How .NET is cross platform
- How .NET is open source
- How you can get involved with Microsoft and .NET

TH16 - Managing the .NET Compiler

Intermediate

JASON BOCK

Thursday, June 18, 1:30 – 2:45pm

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

TH20 - Async and Await Best Practices

Introductory / Intermediate

MARK ROSENBERG

Thursday, June 18, 3:00 – 4:15pm

You know about the new keywords Async and Await, but how do you use them? In this talk, Mark Rosenberg will go through Asynchronous programming and explain Microsoft best practices for writing asynchronous code with async and await. When you walk out of this session, you'll know how Microsoft intended these new keywords and how you can use them correctly in your code.

You will learn:

- About asynchronous programming
- Best practices for using async and await keywords
- Design patterns to use for Asynchronous programming

Windows Client (Windows 8.1/WinR)

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

T03 - UX Design Principle Fundamentals for Non-Designers

Introductory / Intermediate

BILLY HOLLIS

Tuesday, June 16, 9:15 – 10:30am

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

You will learn:

- How to understand the concept of a design principle.
- About the dozen most important design principles for designing modern user interfaces.
- A strategy for learning as much as you need to about design principles.

SESSION DESCRIPTIONS BY TRACK, CONTINUED

T07 - Designing and Building UX for Finding and Visualizing Data in XAML Applications

Intermediate

BILLY HOLLIS

Tuesday, June 16, 10:45am – 12:00pm

Your biggest single opportunity when moving to XAML applications is helping 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:

- About the 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
- About the basic techniques for designing the search experience

T11 - Getting Started with Universal Apps for Windows and Windows Phone

Intermediate

PHILIP JAPIKSE

Tuesday, June 16, 1:30 – 2:45pm

Visual Studio 2013 Update 2 brought Universal Apps into the mix. Now you can build Windows Apps and Windows

Phone apps together, and share the core code without messing with portable class libraries. In this session, you'll learn how to get started building Windows Phone and Windows Apps quickly and easily!

You will learn:

- About the convergence of Windows 8.1 and Windows Phone 8.1
- Where they *don't* converge
- About code sharing techniques
- About file sharing techniques

T15 - Building Windows 10 LOB Apps

Intermediate

ROBERT GREEN

Tuesday, June 16, 3:00 – 4:15pm

This session will explore developing line-of-business apps for Windows 10 (including Phone). Why should you consider this and what are the benefits? What are your options for accessing and storing data, both locally and remotely? What are your options for securing data? How do you authenticate app users, regardless of which device they're using and whether they are on or off premise? How do you test Windows 10 apps on the devices they will run on? How do you deploy Windows 10 apps?

You will learn:

- How to Build Windows 10 LOB apps
- How to access and secure data, authenticate users, and test Windows 10 LOB apps
- How to deploy Windows 10 LOB apps

W02 - Implementing M-V-VM (Model-View-View Model) for WPF

Intermediate / Advanced

PHILIP JAPIKSE

Wednesday, June 17, 9:15 – 10:30am

Now you're writing WPF applications and wondering what is all this code in the code behind? Shouldn't we be doing something different? Our cousins working with ASP.NET MVC don't even have a code behind! The answer is yes. You should indeed be doing it differently. The M-V-VM pattern is a refinement of the Presentation Model pattern, first documented by Martin Fowler. You'll learn what you need to know to implement M-V-VM pattern in WPF for building SOLID WPF applications that are testable, reusable, and maintainable.

You will learn:

- What the MVVM Pattern is and when to use it
- How the WPF framework supports the MVVM pattern
- How to implement testable WPF applications without relying on outside frameworks

W06 - Strike Up A Conversation with Cortana on Windows Phone

Introductory / Intermediate

WALT RITSCHER

Wednesday, June 17, 10:45am – 12:00pm

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

SESSION DESCRIPTIONS BY TRACK, CONTINUED

You will learn:

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

TH03 - Windows, NUI, and You

Introductory / Intermediate

BRIAN RANDELL

Thursday, June 18, 8:00 – 9:15am

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

TH13 - Programming WPF with MVVM—Advanced Topics

Intermediate / Advanced

MIGUEL CASTRO

Thursday, June 18, 1:30 – 2:45pm

Now that you know a little about MVVM, I want to take it to the next level by continuing your studies into this awesome and necessary pattern. In this session, I'll cover more advanced topics you use when programming using Model-View-ViewModel. These include Design-Time

Data, ViewModel-First, Validation, and the ever-so-popular MVVM Frameworks. Here I'll actually show and give you a small MVVM framework with which to launch your development. Though I will do a brief review on the fundamentals and goals of MVVM and its usage, this session does assume a bit of previous knowledge on the pattern.

You will learn:

- How to add design-time data for visualization
- About data templates in XAML
- About validation techniques

TH17 - Extending XAML to Overcome Pretty Much Any Limitation

Intermediate / Advanced

MIGUEL CASTRO

Thursday, June 18, 3:00 – 4:15pm

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

“All of the presentations I attended were great. Very informative and the presenters showed a lot of expertise. The conference events were also very well done.”

- Lynden Headley, Human Kinetics

“The ‘worst’ part was deciding which sessions to go to when there were multiple sessions at one time that I wanted to attend! Speakers were always accessible and available for questions.”

- Seth Goldstein, SAVO

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

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>.

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



Andrew Brust is Research Director for Big Data and Analytics at Gigaom Research. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York

Technology Council; co-moderator of Big On Data - New York's Data Intelligence Meetup; serves as Microsoft Regional Director and MVP; and writes the Redmond Review column for VisualStudioMagazine.com.

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.

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.

Jon Flanders *Senior Consultant, MCW Technologies*



Jon is a member of the technical staff at MCW, where he focuses on connected systems technologies. Jon is most at home spelunking, trying to figure out how things work from the inside out. Jon 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. Jon's current major interest is helping people to understand the advantages of REST and using services to build mobile apps and web sites. You can read his blog at <http://www.rest-ful.net/>



CONFERENCE SPEAKERS, CONTINUED

Kevin Ford *Practice Lead, Magenic*



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

Rick Garibay *Senior Software Development Manager, Amazon.com*



Rick is a hands-on technology leader, speaker and published author with over 14 years' experience leading the delivery of complex, high-impact distributed business solutions in the Intelligent Transportation, Retail, and Gaming and Hospitality space and is currently a Senior Software Development Manager at Amazon.com. Rick is a passionate community advocate and has been recognized as a Microsoft MVP for the last eight years. Presentations include talks at multiple conferences including Visual Studio Live!, That Conference! and Desert Code Camp, as well as published works including whitepapers, frequent contributions to CODE Magazine and his personal blog: <http://rickgaribay.net>.

Robert Green *Technical Evangelist, Microsoft*



Robert Green is a Technical Evangelist in the Developer & Platform Evangelism (DPE) group at Microsoft. He focuses on Visual Studio and Windows 8 enterprise development. Robert is the host of the Visual Studio Toolbox show on Channel 9. This is his second stint at Microsoft. From 2005 to 2010 he was a Sr. Consultant with MCW Technologies, focused on developer training. He authored or co-authored a number of Visual Studio and .NET courses for AppDev. Prior to that, in his first stint at Microsoft, he worked in Developer Tools marketing and then as the Community Lead on the Visual Basic 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.

Richard Hundhausen *Consultant / Trainer, Accentient*



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

Philip Japikse *Principal Architect, InterKnowlogy*



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

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



CONFERENCE SPEAKERS, CONTINUED

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

Kris Lankford *Senior Product Manager, Microsoft*



As a senior product manager for Visual Studio ALM solution at Microsoft, Kris Lankford is engaged with customers to ensure the product meets the needs of the next generation of developers and testers. In the software/IT Industry Kris has more than fifteen years of experience in areas of engineering, agile teams, lean startups, ALM consulting/solutions, and product management. He has introduced teams to quality enablement through both automated and manual testing to improve software quality. When not thinking about how to make the software world a better place, Kris likes to bike, ski, hike, and do other outdoor activities with his family.

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).

CONFERENCE SPEAKERS, CONTINUED

Walt Ritscher*Founder, Scandia Enterprises*

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

Mark Rosenberg*Technical Instructor, New Horizons*

Mark Rosenberg has been writing software with Microsoft technologies since 1997. He has been speaking to user groups and at code camps since 2005 and been a certified trainer since 2007. Mark likes to talk to developers and has been talking to anyone who will listen. He is very active in the community, both speaking at user groups, former INETA Board member and still active with INETA. He currently is working as a senior development instructor at New Horizons in Austin, TX.

Jay Schmelzer*Director of Program Management,
Visual Studio Team, Microsoft*

Jay Schmelzer is a Director of Program Management on the Visual Studio Team at Microsoft. Jay and his team are responsible for the Visual Studio design-time tools and runtime components used to build line of business and cloud applications. That includes the Visual Studio support for building Microsoft Office, Microsoft SharePoint and Windows Azure solutions, Visual Studio LightSwitch, Microsoft's managed languages (VB.NET, C# and F#) as well as the CLR and .NET Framework. Prior to joining Microsoft, Jay was a partner with a leading consulting firm and specialized in the design and development of enterprise applications.

Adam Tuliper*Sr. Technical Evangelist, Microsoft*

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



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

- Danny Cook, Avintus

Sponsors & Exhibitors

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

EVENT PARTNER



Microsoft

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

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

Chicago Area DNN Users Group

UserGroup.TV

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

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

ALLIANCE MEDIA PARTNER



Windows Developer User Group

www.meetup.com/windowsdevug

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

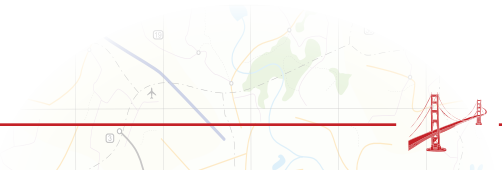
www.meetup.com/London-NET-Developers-Group

TVUG

Tech Valley .NET User Group

www.tvug.net

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



VENUE & TRAVEL



JOIN US IN THE HEART OF
SAN FRANCISCO JUNE 15 – 18
ATOP NOB HILL AT THE
FAIRMONT. YOU'LL BE STEPS
FROM FISHERMAN'S WHARF,
CHINATOWN, NORTH BEACH,
UNION SQUARE AND MORE —
CODE BY DAY AND EXPLORE
THE CITY BY THE BAY AT NIGHT!

The Fairmont San Francisco

950 Mason Street
San Francisco, CA, 94108

Special attendee rate: \$279*
Book by: May 22, 2015

BOOK YOUR ROOM ONLINE or by calling Reservations
at 888.421.1442 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 Fairmont San Francisco in the Visual Studio
Live! Room Block also includes complimentary in-room
internet connectivity.

* Rooms are subject to availability and applicable San Francisco
hotel occupancy tax and TID assessment.

Travel

AVIS RENT-A-CAR IS OFFERING is offering a discount on
car rental for Visual Studio Live! San Francisco 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: <http://vslive.com/events/san-francisco-2015/information/travel.aspx>

Discover San Francisco

Though it's smaller than most "big" cities, San Francisco
more than compensates for its size with personality that
simply won't quit. The dazzling views; daunting hills;
one-of-a-kind neighborhoods; and laid-back, friendly
people create a kind of charisma that continues to
fascinate visitors and residents. The city manages to pack
an incredible amount of vitality into its 47 square miles,
running from its thriving art communities and bustling
shops to the pulsing beats in some of the country's
hippest nightclubs and bars. Everyone finds something to
love here and a reason to return.



Find out more about what San Francisco has to offer at
www.visitsfbayarea.com.

REGISTER NOW at
vslive.com/sf

REGISTRATION PACKAGES

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

Register now at www.vslive.com/sf



Signing up 3 or more?

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

Are you a Visual Studio Live! or Live! 360 alumnus?

Alumni discounts are available! Turn to [page 36](#) for pricing details.



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 June 15 – 18, 2015.

VISUAL STUDIO LIVE! 4-DAY PACKAGE INCLUDES:

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Reception
- Networking Events
- Lunch (June 15 – 18)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and sample code

SUPER EARLY BIRD BY APRIL 15 , 2015

\$1,795

Save \$300

EARLY BIRD BY MAY 13, 2015

\$1,895

Save \$200

STANDARD AFTER MAY 13, 2015

\$2,095



REGISTRATION PACKAGES (continued)



Signing up 3 or more?

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

Are you a Visual Studio Live! or Live! 360 alumnus?

Alumni discounts are available! Turn to [page 36](#) for pricing details.



Visual Studio Live! 4-Day Complete Conference + Hotel Package

The Visual Studio Live! San Francisco 4-Day Conference + Hotel Package is your four day all-access pass to every keynote, session, workshop and event June 15 – 18, 2015 PLUS four nights at The Fairmont.	VISUAL STUDIO LIVE! 4-DAY COMPLETE CONFERENCE + HOTEL PACKAGE INCLUDES:	SUPER EARLY BIRD BY APRIL 15 , 2015	EARLY BIRD BY MAY 13, 2015	STANDARD AFTER MAY 13, 2015
		\$3,145 Save \$300	\$3,245 Save \$200	\$3,345



REGISTRATION PACKAGES (continued)



Signing up 3 or more?

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

Are you a Visual Studio Live! or Live! 360 alumnus?

Alumni discounts are available! Turn to [page 36](#) for pricing details.



Visual Studio Live! 3-Day Conference Package

The Visual Studio Live! Conference Package grants you access to all sessions and activities June 16 – 18, 2015.	VISUAL STUDIO LIVE! 3-DAY CONFERENCE PACKAGE INCLUDES:	SUPER EARLY BIRD BY APRIL 15 , 2015	EARLY BIRD BY MAY 13, 2015	STANDARD AFTER MAY 13, 2015
	<ul style="list-style-type: none"> • All Visual Studio Live! Sessions and Keynotes • Receptions • Lunch (June 16 – 18) • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code 	\$1,395 Save \$300	\$1,495 Save \$200	\$1,695

Workshop Pass (1 Day)

The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on Monday, June 15, 2015.	VISUAL STUDIO LIVE! WORKSHOP PASS INCLUDES:	
	<ul style="list-style-type: none"> • Pre-Conference Workshop – Monday, June 15, 2015 • Lunch 	\$495



REGISTRATION PACKAGES (continued)



Signing up 3 or more?

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

Are you a Visual Studio Live! or Live! 360 alumnus?

Alumni discounts are available! Turn to [page 36](#) for pricing details.



Visual Studio Live! 3-Day Complete Conference + Hotel Package

The Visual Studio Live! San Francisco 3-Day Conference + Hotel Package is your three day all-access pass to every keynote, session, and event June 16 – 18, 2015 PLUS three nights at The Fairmont San Francisco.

VISUAL STUDIO LIVE! 4-DAY COMPLETE CONFERENCE + HOTEL PACKAGE INCLUDES:

- 3-day Conference Pass
- 3 nights at The Fairmont (Room and tax only)—available Monday night (June 15) through Wednesday night (June 17), departing Thursday (June 18).

SUPER EARLY BIRD BY APRIL 15 , 2015

\$2,415
Save \$300

EARLY BIRD BY MAY 13, 2015

\$2,515
Save \$200

STANDARD AFTER MAY 13, 2015

\$2,715



REGISTRATION PACKAGES (continued)



Are you a Visual Studio Live! or Live! 360 alumnus?

Alumni discounts are available! Turn to [page 36](#) for pricing details.

Group Discounts

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

For questions or to register your group, please call 972.304.5380

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

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Receptions
- Networking Events
- Lunch (June 15 – 18)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and sample code

EARLY BIRD
BY MAY 13, 2015

\$1,495

**Save \$600 off the
Standard Rate**

STANDARD
AFTER MAY 13, 2015

\$1,595

**Save \$500 off the
Standard Rate**

VISUAL STUDIO LIVE! GROUP DISCOUNT & HOTEL PACKAGE (3+ COLLEAGUES) INCLUDES:

- 4-day Conference Pass
- 4 nights at The Fairmont (Room and tax only)—available Sunday night (June 14) through Wednesday night (June 17), departing Thursday (June 18).

EARLY BIRD
BY MAY 13, 2015

\$2,845

**Save \$600 off the
Standard Rate**

STANDARD
AFTER MAY 13, 2015

\$2,945

**Save \$500 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 June 15 – 18, 2015.	VISUAL STUDIO LIVE! ALUMNI 4-DAY PACKAGE INCLUDES:	SUPER EARLY BIRD BY APRIL 15 , 2015	EARLY BIRD BY MAY 13, 2015	STANDARD AFTER MAY 13, 2015
	<ul style="list-style-type: none"> • All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Reception • Networking Events • Lunch (June 15 – 18) • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code 	\$1,495 Alumni Save \$600	\$1,595 Alumni Save \$500	\$1,695 Alumni Save \$400

Visual Studio Live! Alumni 4-Day Complete Conference + Hotel Package

The Visual Studio Live! San Francisco Alumni 4-Day Conference + Hotel Package is your four day all-access pass to every keynote, session, workshop and event June 15 – 18, 2015 PLUS four nights at The Fairmont.	VISUAL STUDIO LIVE! ALUMNI COMPLETE CONFERENCE & HOTEL PACKAGE INCLUDES:	SUPER EARLY BIRD BY APRIL 15 , 2015	EARLY BIRD BY MAY 13, 2015	STANDARD AFTER MAY 13, 2015
	<ul style="list-style-type: none"> • 4-day Conference Pass • 4 nights at The Fairmont (Room and tax only) - available Sunday night (June 14) through Wednesday night (June 17), departing Thursday (June 18). 	\$2,845 Alumni Save \$600	\$2,945 Alumni Save \$500	\$3,045 Alumni Save \$400

