



AUSTIN
Code Trip
NAVIGATE THE
.NET HIGHWAY

**DON'T MESS
WITH CODE**

4 Days of Educational
Sessions and Workshops!

**DEVELOPMENT
TRACKS INCLUDE:**

- Visual Studio / .NET
- ASP.NET
- JavaScript / HTML5 Client
- 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

GOLD SPONSOR



SUPPORTED BY



PRODUCED BY



REGISTER NOW at
vslive.com/austin



Contents

3

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

4

[Top Reasons to Attend](#)

5

[Recreational Pit Stops: Activities & Events](#)

7

[Agenda At-a-Glance](#)

9

[Keynotes](#)

10

[ASP.NET](#)

11

[Cloud Computing](#)

13

[Mobile Client](#)

15

[Database and Analytics](#)

17

[JavaScript/HTML5 Client](#)

20

[Visual Studio/.NET Framework](#)

23

[Windows Client](#)

26

[Advisory Board](#)

27

[Speakers](#)

31

[Sponsors & Exhibitors](#)

32

[Venue & Travel](#)

33

[Registration Packages & Pricing](#)



A MESSAGE FROM THE CONFERENCE CO-CHAIRS

IT'S AN 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 (vNext), evolved Microsoft Azure at breathtaking speed, and provided amazing new ALM capabilities in Visual Studio, TFS, and Visual Studio Online. This just scratches the surface of all the ongoing activity!

We're Andrew Brust, Rocky Lhotka, and Brian Randell, Conference Co-Chairs for Visual Studio Live! Austin and we'd like to personally invite you to join us this June in the great state of Texas. We'll have some of the best content and speakers that you'll find at any technical conference, covering the topics that are important to you.

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

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

If you're a Single Page Application (SPA) JavaScript developer, this is one of the most exciting and rapidly changing areas of technology. You can never rest on your existing

knowledge because there's always something new you must learn to remain current.

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

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

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

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

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! Austin.

We hope to see you there!



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



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



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



Top TEN REASONS TO ATTEND Visual Studio Live! Austin

1 DON'T MESS WITH CODE. The Developer Community has trusted Visual Studio Live! for 22 years (and counting!), for the best in developer-focused education and training.

2



REGISTER BEFORE THE SAVINGS FADE INTO THE SUNSET.

The earlier you register, the more you'll save!

3 USE YOUR MIRRORS: PERSPECTIVE FROM ALL SIDES.

We feature both unbiased industry experts and Microsoft insiders, so you'll hear every side of the story on the most recent software and industry updates.

4 SET GPS COORDINATES TO NETWORK. Developers, engineers, software architects and designers will all be at the conference—take advantage of meal times and networking events to get to know your fellow attendees and speakers.

5 CONTENT IS BIGGER IN TEXAS. The information-packed 4-day agenda offers multiple sessions in tracks such as Visual Studio /NET, Cloud Computing, Mobile and JavaScript/HTML5 Client.

6 EXPERT WRANGLERS. Come hear your favorite industry speakers all in one place, including Rachel Appel, Miguel Castro, Billy Hollis, Leonard Lobel and Brian Randell—just to name a few.



7 REMOVE YOUR KNOWLEDGE ROAD BLOCKS. Find out what's happening now, what's new and what's next on the Microsoft and developer landscape.

8 STEER YOURSELF TO A WORKSHOP. Come in on Monday and attend a pre-conference workshop on ALM and DevOps, SQL Server for Developers or Hybrid Mobile Apps.



9 NAVIGATE THE .NET HIGHWAY OF TODAY. Moving to the Cloud + Embracing enterprise mobility + Opening the floodgates of open source development = You can't avoid change. Are you ready? Our conference co-chairs, Andrew Brust, Rockford Lhotka and Brian Randell are here to help you not only understand and work with the change, but master it!

10 EXPERIENCE AUSTIN! From the hottest tech locale and coolest music scene to the cowboy boots and barbeque, we're looking forward to going deep in the heart of Texas!



The Fun Stuff:

VISUAL STUDIO LIVE! AUSTIN EVENTS

YOUR ATTENDANCE AT VISUAL STUDIO LIVE! AUSTIN 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 1,
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 Austin. 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 2,
5:45 – 7:00pm**

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

BIRDS OF A FEATHER LUNCH

**Wednesday, June 3,
12:00 – 1:30pm**

Enjoy lively lunchtime discussions by joining one of our table topic conversations. Tables will have a designated topic to help start discussions and interact with your fellow attendees. You may even learn a new trick or two or some great tips to take back to the office with you.

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

All seating is on a first come basis. Enjoy!

Table Topics Include:

- 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, LESS, 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 thing on? Own a Windows Phone? Come share your favorite apps.
- Cordova? Xamarin? Web? Native? Hybrid? Discuss!

And More!



Dine-A-Round Dinner



Welcome Reception



Birds of a Feather Lunch

REGISTER NOW at
vslive.com/austin



VISUAL STUDIO LIVE! AUSTIN EVENTS (continued)

Rollin' On the River Bat Cruise

Wednesday, June 3
7:00 – 9:00pm

**YES, YOU READ THAT RIGHT.
IT SAYS "BAT CRUISE."**

Did you know that Austin, TX is home to the largest urban bat colony in the world? The Congress Bridge, located next to the Hyatt Regency, our host hotel, houses these gentle and sophisticated creatures known as Mexican free-tailed bats. They migrate each spring from central Mexico and return to Mexico in early Fall. Every summer night, as many as 1.5 million bats fly out from under the bridge to feast on pesky mosquitoes and agricultural pests.

Join us to watch this most unusual and fascinating tourist attraction from the Colorado River! The 2-hour cruise will depart from the dock at the Hyatt Regency Austin at 7pm on Wednesday, June 3. Enjoy music, beverages, bat-watching, and relaxing with your fellow attendees and speakers.



REGISTER NOW at
vslive.com/austin



AGENDA AT-A-GLANCE

ASP.NET	Cloud Computing	Mobile Client	Database and Analytics	JavaScript / HTML5 Client	Visual Studio / .NET	Windows Client
---------	-----------------	---------------	------------------------	---------------------------	----------------------	----------------

START TIME	END TIME	Visual Studio Live! Pre-Conference Workshops: Monday, June 1, 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: SQL Server 2014 for Developers - Leonard Lobel	M02 Workshop: Hybrid Mobile Apps with Visual Studio, Cordova, Angular, and Azure - Brian Noyes	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 2, 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 Building Mobile Cross-Platform Apps with C# and Xamarin - Nick Landry	T02 UX Design Principle Fundamentals for Non-Designers - Billy Hollis	T03 Azure 10-10: Top 10 Azure Announcements in "T-10" Months - Vishwas Lele	T04 A Lap Around Visual Studio 2015 - Robert Green	
10:45 AM	12:00 PM	T05 Building Mobile Cross-Platform Apps in C# with Azure Mobile Services - Nick Landry	T06 Designing and Building UX for Finding and Visualizing Data in XAML Applications - Billy Hollis	T07 Cloud or Not, 10 Reasons Why You Must Know "Websites" - Vishwas Lele	T08 Putting CodedUI Tests on Steroids - Donovan Brown	
12:00 PM	1:30 PM	Lunch				
1:30 PM	2:45 PM	T09 ASP.NET 5 in All Its Glory - Adam Tuliper	T10 Getting Started with Universal Apps for Windows and Windows Phone - Philip Japikse	T11 Microsoft Azure SQL Database: SQL Server in the Cloud - Leonard Lobel	T12 Moving DevOps to the Cloud Using Visual Studio Online, Release Management Online, and Azure - Donovan Brown	
3:00 PM	4:15 PM	T13 Hack Proofing your Web Applications - Adam Tuliper	T14 Building Windows 10 LOB Apps - Robert Green	T15 Database Development with SQL Server Data Tools - Leonard Lobel	T16 What's New in ALM - Brian Randell	
4:15 PM	5:30 PM	Welcome Reception				



AGENDA AT-A-GLANCE (continued)

ASP.NET	Cloud Computing	Mobile Client	Database and Analytics	JavaScript / HTML5 Client	Visual Studio / .NET	Windows Client
---------	-----------------	---------------	------------------------	---------------------------	----------------------	----------------

START TIME		END TIME		Visual Studio Live! Day 2: Wednesday, June 3, 2015			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries					
8:00 AM	9:00 AM	KEYNOTE: User Interaction Design in a NUI World , - <i>Tim Huckaby, Founder/Chairman - InterKnowledge & Actus Interactive Software</i>					
9:15 AM	10:30 AM	W01 Implementing M-V-VM (Model-View-View Model) for WPF - <i>Philip Japikse</i>	W02 AngularJS 101 - <i>Deborah Kurata</i>	W03 Moving Web Apps to the Cloud - <i>Eric D. Boyd</i>	W04 To Git or Not to Git for Enterprise Development - <i>Benjamin Day</i>		
10:45 AM	12:00 PM	W05 Everything You Always Wanted to Know About REST (But Were Afraid To Ask) - <i>Jon Flanders</i>	W06 AngularJS Forms and Validation - <i>Deborah Kurata</i>	W07 Solving Security and Compliance Challenges with Hybrid Clouds - <i>Eric D. Boyd</i>	W08 Load Testing ASP.NET & WebAPI with Visual Studio - <i>Benjamin Day</i>		
12:00 PM	1:30 PM	Birds-of-a-Feather Lunch					
1:30 PM	2:45 PM	W09 Building Cross Platform UI with Xamarin. Forms - <i>Walt Ritscher</i>	W10 Securing Angular Apps - <i>Brian Noyes</i>	W11 To Be Announced		W12 Automated Build, Test & Deploy with TFS, ASP.NET, and SQL Server - <i>Benjamin Day</i>	
3:00 PM	4:15 PM	W13 iBeacons and Contextual Location Awareness in iOS and Android Apps - <i>James Montemagno</i>	W14 Build Data-Centric HTML5 Single Page Applications with Breeze - <i>Brian Noyes</i>	W15 Microservices. What's the Big Deal? - <i>Rick Garibay</i>	W16 Stop the Waste and Get Out of (Technical) Debt - <i>Richard Hundhausen</i>		
4:30 PM	5:45 PM	W17 Swift for .NET Developers - <i>Jon Flanders</i>	W18 Take a Gulp, Make a Grunt, and Call Me Bower - <i>Adam Tuliper</i>	W19 A Pragmatic Reference Architecture for the Internet of Things - <i>Rick Garibay</i>	W20 Professional Scrum Development Using Visual Studio 2015 - <i>Richard Hundhausen</i>		
7:00 PM	9:00 PM	Rollin' on the River Bat Cruise					

START TIME		END TIME		Visual Studio Live! Day 3: Thursday, June 4, 2015			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries					
8:00 AM	9:15 AM	TH01 Automated UI Testing for Android and iOS Mobile Apps - <i>James Montemagno</i>	TH02 Busy JavaScript Developer's Guide to ECMAScript 6 - <i>Ted Neward</i>	TH03 SQL 2014 Columnstore Indexes and In-Memory Optimized Tables - <i>Kevin Goff</i>	TH04 What's New in C# 6.0 - <i>Jason Bock</i>		
9:30 AM	10:45 AM	TH05 You Too Can Easily Create an Amazing 3D Application with Unity - <i>Adam Tuliper</i>	TH06 Building Web APIs to Support Your HTML/JavaScript Client - <i>Brian Noyes</i>	TH07 SQL Server Reporting Services - Attendees Choose Topics - <i>Kevin Goff</i>	TH08 Managing the .NET Compiler - <i>Jason Bock</i>		
11:00 AM	12:15 PM	TH09 Strike Up A Conversation with Cortana on Windows Phone - <i>Walt Ritscher</i>	TH10 To Be Announced		TH11 Build Real-Time Websites and Apps with SignalR - <i>Rachel Appel</i>	TH12 Busy Developer's Guide to NoSQL - <i>Ted Neward</i>	
12:15 PM	1:30 PM	Lunch					
1:30 PM	2:45 PM	TH13 Windows, NUI, and You - <i>Brian Randell</i>	TH14 Hate JavaScript? Try TypeScript - <i>Ben Hoelting</i>	TH15 ASP.NET MVC: All Your Tests Are Belong To Us - <i>Rachel Appel</i>	TH16 Microsoft's .NET is Now Open Source and Cross-Platform. Why It Matters. - <i>Mark Rosenberg</i>		
3:00 PM	4:15 PM	TH17 WPF Data Binding in Depth - <i>Brian Noyes</i>	TH18 JavaScript Patterns for the C# Developer - <i>Ben Hoelting</i>	TH19 Building Rich UI with ASP.NET MVC and Bootstrap - <i>Walt Ritscher</i>	TH20 Async and Await Best Practices - <i>Mark Rosenberg</i>		

Speakers and sessions subject to change



REGISTER NOW at
vs.live.com/austin

Keynotes

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

Tuesday, June 2, 8:00 – 9:00am

KEYNOTE: The Future of Application



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.

ALWAYS A GREAT SELECTION OF CUTTING-EDGE TECHNOLOGIES. THE SPEAKERS ARE EXCELLENT... SAMPLE CODE IS ALWAYS EXCELLENT.

– Aaron Olds, Wellerd

Wednesday, June 3, 8:00 – 9:00am

KEYNOTE: The Rise and Fall and Rise of the Smart Client



Tim Huckaby
*Founder / Chairman - InterKnowledge &
Actus Interactive Software*

How is natural and intuitive interactive usability designed into software?

Join Tim Huckaby in an entertaining and technical discussion of the lessons learned over more than years of designing, developing and implementing interactive software systems. Touch, gesture and voice recognition: All the bad; all the good; all the stories, and the tools, tips and tricks learned along the way. Interactive Software built for:

- Broadcast television entities like CNN, NBC, ABC and others.
- Industries like hospitality, retail, entertainment, automotive, healthcare and more.

This keynote will also show you the use cases where these types of multi-touch, gesture and voice recognition capable solutions in all form factors of displays are happening. And those coming in the immediate future.

Frequently touch capability is not possible or just doesn't make sense. In many airports, for instance, you do not want to touch anything. It's just not safe. Bacteria (and other pathogens) live on touch screens in public places and are a real threat. In sterile environments like a hospital, touch isn't legally possible either. That is a use case where gesture and voice controlled software comes into play nicely. With Microsoft Kinect (and other 3D cameras) innovative solutions are not only possible, but ultra-cool and come with their own usability issues. These are the use cases where good interaction design is so important.

This demo-heavy keynote will show you a number of real interactive solutions navigated by touch, voice and gesture (from propriety solutions to broadcast television solutions you see every day). And this keynote will show you how these solutions were built and the user interaction design problems they evolved through.



SESSION DESCRIPTIONS BY TRACK

ASP.NET

Microsoft continues to invest in improving ASP.NET. In addition to covering ASP.NET, providing what you need to know with ASP.NET MVC and Web API, we provide critical coverage for ASP.NET 5, a transformative shift in the Microsoft Web development technology stack. This track includes:

- ASP.NET 5
- ASP.NET MVC 5
- Signal R

T09 - ASP.NET 5 in All Its Glory

Intermediate

ADAM TULIPER

Tuesday, June 2, 1:30 – 2:45pm

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

T13 - Hack Proofing your Web Applications

Intermediate

ADAM TULIPER

Tuesday, June 2, 3:00 – 4:15pm

It doesn't matter if you use only HTML/Javascript, ASP.NET Web Forms or MVC, etc. 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 will 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
- 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

TH11 - Build Real-Time Websites and Apps with SignalR

Introductory / Intermediate

RACHEL APPEL

Thursday, June 4, 11:00am – 12:15pm

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

TH15 - ASP.NET MVC: All Your Tests Are Belong To Us

Intermediate / Advanced

RACHEL APPEL

Thursday, June 4, 1:30 – 2:45pm

You've spent time and effort to build a website, and you must verify that it works correctly. But you might be tired 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



SESSION DESCRIPTIONS BY TRACK, CONTINUED

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

TH19 - Building Rich UI with ASP.NET MVC and Bootstrap

Introductory / Intermediate

WALT RITSCHER

Thursday, June 4, 3:00 – 4:15pm

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

You will learn:

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

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

T03 - Azure 10-10: Top 10 Azure Announcements in "T-10" Months

Introductory

VISHWAS LELE

Tuesday, June 2, 9:15 – 10:30am

In this session, we will review the top 10 advancements in #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—see here—<http://bit.ly/Azure1010>

You will learn:

- With a high level overview of the Azure platform and the key benefits it offers
- About recent developer / DevOps enhancements (tooling, services, API)
- From real world examples for leveraging Azure that attendees can apply in their own context

T07 - Cloud or Not, 10 Reasons Why You Must Know "Websites"

Intermediate

VISHWAS LELE

Tuesday, June 2, 10:45am – 12:00pm

In this session, we will look the 10 reasons (backed by code walkthrough, of course) why, as a web developer, you need to be up to speed with "Web sites." From fast provisioning, to scalability, to continuous integration, Web 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 3, 9:15 – 10:30am

As a developer with years of experience developing web apps using ASP.NET, SQL Server, Windows Server and Active Directory, how do you move to the cloud with 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 migration 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:

- Common business challenges and scenarios that drive Cloud migration



SESSION DESCRIPTIONS BY TRACK, CONTINUED

- How to move traditional on-premises web apps to Microsoft Azure
- Architectural considerations for maximizing the value of the Cloud

W07 - Solving Security and Compliance Challenges with Hybrid Clouds

Intermediate

ERIC D. BOYD

Wednesday, June 3, 10:45am – 12:00pm

When considering public clouds, many industries and companies have big 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 using messaging and networking technologies and during this presentation Eric will walk through the options and provide you with guidance on when to choose each.

You will learn:

- How to use the Public Cloud while paying attention to security and compliance
- 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 / Intermediate

RICK GARIBAY

Wednesday, June 3, 3:00 – 4:15pm

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

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 3, 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



SESSION DESCRIPTIONS BY TRACK, CONTINUED

Mobile Client

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

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

T01 - Building Mobile Cross-Platform Apps with C# and Xamarin

Intermediate

NICK LANDRY

Tuesday, June 2, 9:15 – 10:30am

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

Fortunately, there is a way you can share a lot of your code across mobile platforms and do so using the C# language you already know and love. 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.

T05 - Building Mobile Cross-Platform Apps in C# with Azure Mobile Services

Intermediate

NICK LANDRY

Tuesday, June 2, 10:45am – 12:00pm

The Cloud is the perfect extension for 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 user data in the cloud, perform operations server-side for enhanced scalability, or monitor data feeds to push notifications to your mobile users. Windows 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 & 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.

W05 - Everything You Always Wanted To Know About REST (But Were Afraid To Ask)

Intermediate / Advanced

JON FLANDERS

Wednesday, June 3, 10:45am – 12:00pm

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

W09 - Building Cross Platform UI with Xamarin.Forms

Introductory / Intermediate

WALT RITSCHER

Wednesday, June 3, 1:30 – 2:45pm

Mobile development is a white-hot area of software development. Everyone wants to target the mobile market and get their app in the hands of millions of customers. But the splintered landscape of mobile platforms 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, 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



SESSION DESCRIPTIONS BY TRACK, CONTINUED

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 fact 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 offers a solution to 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:

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

W13 - iBeacons and Contextual Location Awareness in iOS and Android Apps

Intermediate

JAMES MONTEMAGNO

Wednesday, June 3, 3:00 – 4:15pm

iBeacons are taking the world by storm allowing developers to leverage Bluetooth Low Energy to give their apps location support that can work just about anywhere including indoors. This gives you the ability to enable any number of scenarios based upon device proximity that were never before possible. From retail stores to even sports including the Super Bowl and MLB, you will soon be finding iBeacons just about everywhere.

Introduced as a core feature of iOS 7, iBeacon support has now found its way to Android. You will learn what

an iBeacon is, how they work, how you would want to use them, and how to get started making apps in both Android and iOS. All demonstrations will be coded in C#, but will be applicable to any iOS or Android developer in any language.

You will learn:

- Exactly what iBeacons are and how they work to gain contextual awareness inside of your mobile applications
- How to take advantage of CoreLocation on iOS to find and detect iBeacons

W17 - Swift for .NET Developers

Intermediate

JON FLANDERS

Wednesday, June 3, 4:30 – 5:45pm

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:

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

TH01 - Automated UI Testing for Android and iOS Mobile Apps

Intermediate / Advanced

JAMES MONTEMAGNO

Thursday, June 4, 8:00 – 9:15am

Beyond cross-platform development, the number one pain point for mobile developers is testing apps. In fact, it is such a challenge that 92 percent of developers don't do it, and yet quality matters even more on mobile. There are several technologies today to help with mobile testing, including Xamarin.UITest.

This is an automated UI acceptance testing framework based on Calabash that allows programmers to write and execute tests in C# and NUnit that validate the functionality of iOS and Android Apps on your emulators or local devices. Further, Xamarin Test Cloud then enables you to use these tests to run your app across 1000's of physical devices (both Android and iOS). It uses powerful, object-based UI testing, enabling you to write test scripts that do exactly what your users will do: tap, swipe, rotate, wait for UI elements to appear and so on.

When building for multiple platforms, you can share your test logic across the platforms, increasing reuse and enable faster test authoring. In this talk, we will explore how to create a test in Xamarin.UITest to run locally and then upload an app to Test Cloud. We will also try out Xamarin App Explorer, which systematically exercises screens and controls in your app before you ever write a single test. We will also look at Behavior Driven Development using Calabash and Cucumber.

You will learn:

- How to take out all of the hard work and pain points of testing Automated UI Testing
- How to share test logic across all platforms increasing your code reuse and speeding up development cycles
- How to use Behavior Driven Development to create test scripts to ensure apps

TH05 - You Too Can Easily Create an Amazing 3D Application with Unity

Introductory

ADAM TULIPER

Thursday, June 4, 9:30 – 10:45am

Unity is the premier advanced platform to develop stunning 2D and 3D applications & games for 16 different platforms using C#. Come learn about the basics of Unity, how it utilizes the .NET Open Source Mono framework, the UI, assets, animations, code in C# and JavaScript, ways to develop, and some simple but powerful 2D/3D application techniques to get up



SESSION DESCRIPTIONS BY TRACK, CONTINUED

and running fast with Unity. You will leave this session understanding how to create a complete 3D application as we pull in various packages from the internet, as we would do with our Visual Studio solutions. This session will round out with deploying this complete app to a local device.

You will learn:

- How to navigate Unity's interface and assign advanced functionality to objects
- How to create a world/level and write code to control it
- How to package Unity applications for 16 different platforms

I LIKE THE VARIETY OF THE SESSIONS. YOU CAN LEARN KNOWLEDGE OF MANY AREAS AT THE SAME TIME.

- Ken Chen, Microsoft

Database and Analytics

SQL Server 2014 is here, and 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: SQL Server 2014 for Developers

Intermediate

LEONARD LOBEL

Monday, June 1, 9:00am – 6:00pm

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

Part 1 - SQL Server Data Tools (SSDT). We'll start with an introduction to SQL Server Data Tools (SSDT), a powerful integrated development environment for designing, testing, and deploying SQL Server databases - whether you're working locally or remotely, connected or offline, or in the cloud on Windows Azure - all from right inside of Visual Studio.

Then we'll dive right into extensive demos that showcase the most important SSDT features. Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and Azure SQL databases. You'll learn how to use features such as code navigation, IntelliSense, and refactoring with your database model-indispensable tools previously available only for application development in Visual Studio. We'll also cover the declarative model that allows you to design

databases offline and under source control right from within Visual Studio.

Part 2 - T-SQL Features. Next, we'll explore the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML, which enhances your ability to capture change data from the OUTPUT clause of any DML statement.

You'll work with the latest date and time data types, which include support for time zone awareness. Then learn about the newest T-SQL enhancements in SQL Server 2012, such as windowing (OVER clause) enhancements, running and sliding aggregates, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

Part 3 - Beyond Relational. Then we'll examine the powerful "beyond relational" features, including the latest additions in SQL Server 2012. These features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system.

You'll learn how to use the hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM and FileTable to discover how you can finally enjoy the native ability to store large binary objects in the file system transparently. We'll also cover the geospatial data types that enable you to integrate location-intelligence into the database, and build several location-aware applications on top of these new data types. We'll also cover the rich XML support provided by the relational engine, including XSD, XPath, and XQuery.

Part 4 - In-Memory OLTP. Next we'll move on to with the new in-memory OLTP capabilities (code name "Hekaton") added in SQL Server 2014. Learn how to achieve impressive performance gains (up to 30x!) by



SESSION DESCRIPTIONS BY TRACK, CONTINUED

identifying those tables that can improve performance simply by implementing them as memory-optimized tables in the database. These tables are fully durable and function as ordinary tables, but do not require the same latching and locking mechanisms as disk-based tables, which boosts performance significantly. You will also see how to create natively compiled stored procedures (which actually converts T-SQL to C and then compiles to a DLL) to achieve even greater performance when accessing memory-optimized tables.

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

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

T11 - Microsoft Azure SQL Database: SQL Server in the Cloud

Introductory

LEONARD LOBEL

Tuesday, June 2, 1:30 – 2:45pm

This session will get you ramped up quickly on SQL Database—the Microsoft Azure version of SQL Server. Lenni will start from square one: signing up for a Microsoft account and Windows Azure subscription. From there, you'll learn how to leverage a host of tools to connect with SQL Database, including the Azure and SQL Database management portals, SQL Server Management

Studio (SSMS), SQL Server Data Tools (SSDT), PowerShell, and the Management REST API.

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

You will learn:

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

T15 - Database Development with SQL Server Data Tools

Introductory / Intermediate

LEONARD LOBEL

Tuesday, June 2, 3:00 – 4:15pm

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

In this session, Lenni begins by describing the various difficulties that developers face, and then demonstrates how SSDT can be used to remedy those pain points. You will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model indispensable tools traditionally available only for

application development in Visual Studio. We'll also cover the declarative model that allows you to design databases offline and under source control right from within solution in Visual Studio, as well as how to deploy to SQL Database on Microsoft Azure. Don't miss out on this demo-centric information-packed session on the current generation of database tools for application developers!

You will learn:

- The benefits of database development with SSDT's declarative model-based architecture
- The various SSDT features and capabilities (explorer, designers, schema compare, local database runtime, language services, debugging, and buffered editing)
- How to design, test, and deploy on-premises databases, offline database projects, and Microsoft Azure SQL databases in the cloud all from inside Visual Studio

TH03 - SQL 2014 Columnstore Indexes and In-Memory Optimized Tables

Introductory / Intermediate

KEVIN GOFF

Thursday, June 4, 8:00 – 9:15am

SQL Server 2014 Enterprise contains two powerful features that can significantly enhance performance in Data Warehousing systems: the Columnstore index and In-Memory optimized tables. In this presentation, I'll walk through an actual Data warehouse implementation. We'll also look at some common patterns in the Kimball Data Warehouse methodology (slowly changing dimensions, fact table loading, etc.) and how to implement them. If you are looking to start a data warehouse project with SQL Server 2014 Enterprise, this session is for you!

You will learn:

- How Columnstore indexes can provide significant performance gains



SESSION DESCRIPTIONS BY TRACK, CONTINUED

- How In-Memory optimized tables can provide significant performance gains
- Common Data Warehouse patterns and how to implement them using SQL Server

TH07 - SQL Server Reporting Services - Attendees Choose Topics

Introductory / Intermediate

KEVIN GOFF

Thursday, June 4, 9:30 – 10:45am

Even with all the different options for self-service Business Intelligence, SQL Server Reporting Services (SSRS) remains a popular reporting tool in application development environments. This presentation takes some of the more complicated topics and offers them as choices that attendees can pick for the session. I'll show more than a dozen different topics and let you select which topics to cover. Everything from sparklines to heat maps, from Tablix-drilldown reports to advanced charts, from performance gauges to subreport/drilldown reports to new page/group control features in R2... and even topics like data-driven subscriptions, reports against OLAP cubes, and deploying to SharePoint. Since no presentation can cover all the topics, the majority of the audience will decide which to cover.

You will learn:

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

TH12 - Busy Developer's Guide to NoSQL

Introductory / Intermediate

TED NEWARD

Thursday, June 4, 11:00am – 12:15pm

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

You will learn:

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

JavaScript/HTML5 Client

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

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

M02 - Workshop: Hybrid Mobile Apps with Visual Studio, Cordova, Angular, and Azure

Introductory / Intermediate

BRIAN NOYES

Monday, June 1, 9:00am – 6:00pm

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



SESSION DESCRIPTIONS BY TRACK, CONTINUED

implement your application functionality, and use Azure Mobile Services as a rich back end for your app.

You will learn:

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

W02 - AngularJS 101 – Introductory

Deborah Kurata

Wednesday, June 3, 9:15 – 10:30pm

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 build a simple Angular application starting from an empty Web site in Visual Studio. We add directives to build our first page. We then 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

W06 - AngularJS Forms and Validation

Introductory / Intermediate

DEBORAH KURATA

Wednesday, June 3, 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. We then 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

W10 - Securing Angular Apps

Intermediate

BRIAN NOYES

Wednesday, June 3, 1:30 – 2:45pm

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

You will learn:

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

W14 - Build Data-Centric HTML5 Single Page Applications with Breeze

Intermediate

BRIAN NOYES

Wednesday, June 3, 3:00 – 4:15pm

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

You will learn:

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

W18 - Take a Gulp, Make a Grunt and Call Me Bower

Introductory / Intermediate

ADAM TULIPER

Wednesday, June 3, 4:30 – 5:45pm

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 we currently use?

ASP.NET has typically done things its own way for many years, which has pros and cons. Now that there's a vast ecosystem of other technologies, many that now



SESSION DESCRIPTIONS BY TRACK, CONTINUED

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 lets 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

TH02 - Busy JavaScript Developer's Guide to ECMAScript 6

Intermediate

TED NEWARD

Thursday, June 4, 8:00 – 9:15am

ECMAScript, better known by its original name JavaScript, 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

TH06 - Building Web APIs to Support Your HTML/JavaScript Client

Intermediate

BRIAN NOYES

Thursday, June 4, 9:30 – 10:45am

You are starting to build out your beautiful HTML 5 / JavaScript client (aka Single Page App) and you quickly realize - “I need a back end!” Not just to serve up your client side HTML/CSS/JS files, but Web APIs to support your AJAX calls, push and pull data, access back end logic and so on. You may be building those yourself as part of the same site, or you may need to consume Web APIs exposed on a different server or built by someone else. This talk will make sure you know what to do to build out some basic Web APIs using the ASP.NET Web API stack and get your front end talking coherently with your back end. You’ll see how to quickly set up the Web APIs themselves, and then also learn how to properly design those Web APIs to support the appropriate verb at the appropriate time, how to do things like content negotiation, handle CORS requests for cross-domain access and more. You’ll see both how to get things defined and hosted on the server side and how to call them on the client side. You’ll learn what your options are to secure those calls and how to hook up the basics. By the end of the talk you will be well armed to put together Web APIs to support your front end.

You will learn:

- How to expose Web APIs with ASP.NET and call them from your JavaScript clients
- How to handle calling patterns, HTTP verbs, content negotiation, and CORS
- How to secure your Web APIs from your clients

TH14 - Hate JavaScript? Try TypeScript

Introductory

BEN HOELTING

Thursday, June 4, 1:30 – 2:45pm

Many C# developers hate JavaScript. This has nothing to do with JavaScript, but with the lack of tooling and language features. .NET developers are spoiled by the top notch language and IDE features of Visual Studio. This session will discuss some of the tooling advancements in Visual Studio 2012 related to JavaScript development. TypeScript is a new language developed by the creators of C# that compiles to JavaScript. The last portion of this session will dive into TypeScript and discuss some of the language features it provides on top of normal JavaScript. Between the IDE enhancements in Visual Studio and the language features of TypeScript, you will see that JavaScript development is not so bad.

You will learn:

- About the new JavaScript IDE Features in Visual Studio
- A definition of TypeScript
- How to use Visual Studio and TypeScript to make JavaScript development bearable



SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH18 - JavaScript Patterns for the C# Developer

Intermediate

BEN HOELTING

Thursday, June 4, 3:00 – 4:15pm

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

You will learn:

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

Visual Studio / .NET

Microsoft continues delivering 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 the year, it released the first public preview of Visual Studio 2015. The 2015 release promises to be an exciting update with new versions of Visual Studio, TFS and continued updates to VSO, not to mention Microsoft's 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! provides all 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 1, 9:00am – 6:00pm

In this workshop, Brian will cover what you need to know related to 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 & DevOps for Visual Studio 2013 & 2015
- What's new for ALM & DevOps for Team Foundation Server 2013 & 2015
- What's new for ALM & DevOps for Visual Studio Online 2013 & 2015

T04 - A Lap Around Visual Studio 2015

Intermediate

ROBERT GREEN

Tuesday, June 2, 9:15 – 10:30am

The next version of Visual Studio is here. As you would expect, it's packed with lots of new features. In this session, we 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

T08 - Putting CodedUI Tests on Steroids

Introductory / Intermediate

DONOVAN BROWN

Tuesday, June 2, 10:45am – 12:00pm

In this session, you'll learn how to create Coded UI Test from an Action Recording from Microsoft Test Manager, the Coded UI test builder in Visual Studio and in 100 percent C#. You'll also learn how to run the test in IE, Chrome and Firefox. Finally, we will cover how to data bind Coded UI Test. This session is 90 percent demo to show the tools in action.

T12 - Moving DevOps to the Cloud Using Visual Studio Online, Release Management Online, and Azure

Introductory / Intermediate

DONOVAN BROWN

Tuesday, June 2, 1:30 - 2:45pm

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

T16 - What's New in ALM

Introductory / Intermediate

BRIAN RANDELL

Tuesday, June 2, 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 & DevOps for Visual Studio 2015
- What's new for ALM & DevOps for Team Foundation Server 2015
- What's new for ALM & DevOps for Visual Studio Online

W04 - To Git or Not to Git for Enterprise Development

Advanced

BENJAMIN DAY

Wednesday, June 3, 9:15 – 10:30am

Git is all the rage. All the cool kids are using Git. They seem to like it a lot. They're downright passionate about it. 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?

W08 - Load Testing ASP.NET & WebAPI with Visual Studio

Intermediate / Advanced

BENJAMIN DAY

Wednesday, June 3, 10:45am – 12:00pm

It's a common problem—you're getting close to the point at which you're supposed to deploy your new ASP.NET application in to production and somehow it just doesn't seem very fast. Perhaps you've already 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.



SESSION DESCRIPTIONS BY TRACK, CONTINUED

You will learn:

- About the performance testing tools in the Visual Studio world
- How do you use the tools to recreate and find the problem(s) in an underperforming app
- How you use the VS code profiling tools to find problems

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

Intermediate / Advanced

BENJAMIN DAY

Wednesday, June 3, 1:30 – 2:45pm

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

In this session, we'll 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:

- How to manage SQL Server schemas and lookup data under source control using SSDT
- The importance of versioning database code with compiled (C#) code

- The basics of TFS Builds (Controllers, Agents, Build Definitions) with Git & TFVC
- How to build customization using Pow

W16 - Stop the Waste and Get Out of (Technical) Debt

Intermediate

RICHARD HUNDHAUSEN

Wednesday, June 3, 3:00 – 4:15pm

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 is 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

W20 - Professional Scrum Development Using Visual Studio 2015

Intermediate

RICHARD HUNDHAUSEN

Wednesday, June 3, 4:30 – 5:45pm

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 to be cautious of. 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

TH04 - What's New in C# 6.0

Introductory / Intermediate

JASON BOCK

Thursday, June 4, 8:00 – 9:15am

Dissatisfied that C# 5 only added async and await? In C# 6, you're going to get a lot more features. This session will cover what these features are (e.g. 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



SESSION DESCRIPTIONS BY TRACK, CONTINUED

TH08 - Managing the .NET Compiler

Intermediate

JASON BOCK

Thursday, June 4, 9:30 – 10:45am

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

TH16 - Microsoft's .NET is Now Open Source and Cross-Platform. Why It Matters.

Intermediate

MARK ROSENBERG

Thursday, June 4, 1:30 – 2:45pm

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. .NET was always unsurprisingly Windows-only, which made it a non-starter for many developers, particularly outside corporate IT. This positive new direction means that .NET is now available on key desktop and server operating systems. It also means that 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

TH20 - Async and Await Best Practices

Introductory / Intermediate

MARK ROSENBERG

Thursday, June 4, 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

VERY GLAD I AM ABLE TO TAKE INFORMATION BACK TO MY COMPANY THAT IS IMMEDIATELY USEFUL, PLUS I LEARNED ABOUT NEW TECH THAT I HAD NOT HEARD OF BEFORE.

- William Howell, Rollins Inc.

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

T02 - UX Design Principle Fundamentals for Non-Designers

Introductory / Intermediate

BILLY HOLLIS

Tuesday, June 2, 9:15 – 10:30am

The foundation of UX design includes principles that help us 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:

- Understand the concept of a design principle.
- Learn the dozen most important design principles for designing modern user interfaces.



SESSION DESCRIPTIONS BY TRACK, CONTINUED

- Walk out with a strategy for learning as much as you need to about design principles.

T06 - Designing and Building UX for Finding and Visualizing Data in XAML Applications

Intermediate

BILLY HOLLIS

Tuesday, June 2, 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 that you are headed in the right direction before you start writing your XAML.

You will learn:

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

T10 - Getting Started with Universal Apps for Windows and Windows Phone

Intermediate

PHILIP JAPIKSE

Tuesday, June 2, 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, sharing 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

T14 - Building Windows 10 LOB Apps

Intermediate

ROBERT GREEN

Tuesday, June 2, 3:00 – 4:15pm

In this session, we 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

W01 - Implementing M-V-VM (Model-View-View Model) for WPF

Intermediate / Advanced

PHILIP JAPIKSE

Wednesday, June 3, 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

TH09 - Strike Up A Conversation with Cortana on Windows Phone

Introductory / Intermediate

WALT RITSCHER

Thursday, June 4, 11:00am – 12:15pm

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

TH13 - Windows, NUI, and You

Introductory / Intermediate

BRIAN RANDELL

Thursday, June 4, 1:30 – 2:45pm

In this session, Brian 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. We'll be looking 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

TH17 - WPF Data Binding in Depth

Intermediate

BRIAN NOYES

Thursday, June 4, 3:00 – 4:15pm

One of the most powerful capabilities of WPF and other XAML technologies is data binding. Data binding helps you keep your markup and view definition loosely coupled from the logic and data objects in your client application. In this session, you will learn to leverage the full power of data binding in WPF. You'll get a quick review of the basics of data binding, and then will get into the full capabilities of bindings. You'll learn what kinds of objects you can bind to and what those objects need to fully participate in data binding. You'll also learn how to leverage data templates to render your data objects however you want in flexible and extensible ways. You'll learn how to leverage the validation capabilities of bindings to validate input data and provide feedback to the user about errors.

You will learn:

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

THE AMOUNT OF ATTENDEES PROVIDED A MORE INTIMATE ENVIRONMENT WITH MORE DIRECT ACCESS TO PRESENTERS.

- Josh Burwell, Calvert Investments, Inc.



CONFERENCE ADVISORY BOARD

Andrew Brust

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



Andrew Brust is Senior Director, Technical Product Marketing and Evangelism at Datameer and writes a blog for ZDNet called "Big on Data". Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; co-moderator of Big On Data - New York's Data Intelligence Meetup; serves as Microsoft Regional Director and MVP; and writes the Redmond Review column for VisualStudioMagazine.com.

Michael Desmond

Editor in Chief, MSDN Magazine



Michael Desmond is editor in chief of MSDN Magazine, Microsoft's flagship publication for software developers working with Microsoft tools and technologies. A 20-year veteran in IT and technology publishing, Desmond was an editor at PC World magazine for six years before launching an editorial consultancy that did work for leading technology firms like IBM, Intel and Sun Microsystems.

Michael Domingo

Editor in Chief, Visual Studio Magazine



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

Rockford Lhotka

CTO, Magenic
Visual Studio Live! Conference Co-Chair



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

Lafe Low

Editor, Visual Studio Live!



Lafe Low has been a technology editor and writer for more than 25 years. Most recently, he was the editor in chief of TechNet magazine. He has also held various editorial positions with Redmond magazine, CIO magazine and InfoWorld. He also launched his own magazine entitled Explore New England, and has published four editions of his guidebook The Best in Tent Camping: New England.

Brian Randell

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



Brian A. Randell is a Partner with MCW Technologies LLC. For more than 20 years he has been building software solutions. He educates teams on Microsoft technologies via writing and training—both in-person and on demand. He's also a consultant for companies small and large, worldwide, including Fortune 100 companies like Microsoft. Brian is a passionate software craftsman who still enjoys coding as he helps teams to improve their processes from idea to shipping to production management and monitoring. In addition, he's become obsessed over the last few years with natural user interfaces and how to create compelling user experiences regardless of platform. In early 2010, he toured the world prepping Microsoft employees and Microsoft partners for the Microsoft Visual Studio 2010 launch. In 2012, he and his team built some of the first training content and demos for Microsoft using Visual Studio 2012, Team Foundation Server 2012, and Windows 8. For the 2013 release, he continued building new ALM content for use worldwide by Microsoft. He's currently a Visual Studio ALM MVP and co-author of "Professional Application Lifecycle Management with Visual Studio 2013" from Wrox Publishing. When not working, Brian enjoys spending time with his wife and two children who enjoy making him look bad on the Xbox One (with and without Kinect).



CONFERENCE SPEAKERS

Rachel Appel *Appel Consulting*



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

Jason Bock *Practice Lead, Magenic*



Jason Bock is a Practice Lead for Magenic (<http://www.magenic.com>) and a Microsoft MVP (C#). He has worked on a number of business applications using a diverse set of substrates and languages such as C#, .NET, and Java. He is the author of "Metaprogramming in .NET", "Applied .NET Attributes", and "CIL Programming: Under the Hood of .NET". He has written numerous articles on software development issues and has presented at a number of conferences and user groups. He is a leader of the Twin Cities Code Camp (<http://www.twincitiescodecamp.com>). Jason holds a Master's degree in Electrical Engineering from Marquette University. Visit his web site at <http://www.jasonbock.net>.

Eric D. Boyd *Founder and CEO, responsiveX*



Eric D. Boyd is the Founder and CEO of responsiveX, a Windows Azure MVP, and a regular speaker at national conferences, regional code camps and local user groups. He is so passionate about apps and cloud services that he founded responsiveX (www.responsiveX.com), a management and technology consultancy that helps customers create great web, mobile and client experiences, and these apps are often powered by cloud services. Eric launched his technology career

almost two decades ago with a web development startup and has served in multiple roles since including developer, consultant, technology executive and business owner. You can find Eric blogging at <http://www.EricDBoyd.com> and on Twitter at <http://twitter.com/EricDBoyd>.

Donovan Brown *Technical Solutions Professional, Microsoft*



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

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>, the house, or, if it's windy, kitesurfing. You can find Ben online on Twitter, StackOverflow, or on his blog at <http://bendaway.com/blog>.

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/>

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>.

Kevin Goff *Practice Manager, SetFocus, LLC*



Kevin S. Goff is a Microsoft SQL Server MVP, SQL Server/Business Intelligence Practice Manager for SetFocus LLC, author of 2 books, regular columnist for CoDe Magazine on .NET, SQL Server, and Business Intelligence topics, and a frequent speaker at community events in the Mid-Atlantic region. Kevin was



CONFERENCE SPEAKERS, CONTINUED

a .NET MVP in C# from 2005 to 2009, and has been a SQL Server MVP since 2010. You can find out more about Kevin at www.kevinsgoff.net.

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.

Ben Hoelting
Director of Technology, Aspenware



Director of Technology for Aspenware, C# MVP and Telerik Insider. He graduated from Colorado State University in 1997 with a BS in Computer Information Systems and a Minor in Computer Science. Ben joined the IT industry in 1996 as an intern and has

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

Billy Hollis
Next Version Systems



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

Tim Huckaby
Founder / Chairman - InterKnowlogy & Actus Interactive Software



Tim Huckaby is focused on Engaging User Experiences, User Interaction Design and the Natural User Interface (NUI) as applied with software in systems of all industries. Mr. Huckaby's expertise encompasses NUI as Touch, Gesture, Voice and Neural interfaces as applied by a number of compelling software technologies on many software and hardware platforms on a broad spectrum of devices.

Mr. Huckaby has been called a "Pioneer of the Smart Client Revolution" by the press. Mr. Huckaby's uncanny prediction of locally installed, native application popularity became true. This prediction of The Smart Client Revolution was the predecessor to the app store phenomena we see today where applications are downloaded from an application store and installed natively on the device as contrasted to using web applications in a browser.

Mr. Huckaby has been awarded many times for the highest rated technical & industry presentations and keynotes for Microsoft and many other industry & technology conferences like CES and events all around the world. Mr. Huckaby is consistently rated in the top 10% of all speakers at these events. Having worked for or with Microsoft

for over 25 years, Mr. Huckaby has been on stage with, and done numerous keynote demos for many Microsoft executives including Bill Gates and Steve Ballmer.

In 1999 Mr. Huckaby founded InterKnowlogy, a custom application development firm that creates high-impact software experiences and continues to flourish over 15 years later. In 2011 Mr. Huckaby founded Actus Interactive Software, which licenses a suite of Interactive Digital Signage products, as a product company compliment to InterKnowlogy. Mr. Huckaby founded both companies and serves each of them as Chairman.

Mr. Huckaby has 35 years of technology experience including serving on a Microsoft server product team as a development lead on an architecture team. Mr. Huckaby worked on some famous and not so famous Microsoft Server products and codebases in the late nineties. Mr. Huckaby is a Microsoft Regional Director, a Microsoft MVP and serves on many councils and boards like the Microsoft Application Development Partner Advisory Council and the Microsoft Healthcare Executive Board and the Association for Competitive Technology.

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.



CONFERENCE SPEAKERS, CONTINUED

Philip Japikse

Principal Architect, InterKnowledge



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

Vishwas Lele

Architect, AIS



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

Leonard Lobel

CTO, Sleek Technologies, Inc.



Leonard Lobel is the chief technology officer (CTO) and co-founder of Sleek Technologies, Inc., a New York-based development shop with an early adopter philosophy toward new technologies that services organizations ranging from small shops to high-profile clients. He is also a principal consultant at Tallan, Inc., a Microsoft Gold Certified Partner. Programming since 1979, Lenni specializes in Microsoft-based solutions, with experience that spans a variety of business domains, including publishing, financial, wholesale/retail, health care, and e-commerce. Lenni is also a Microsoft MVP for SQL Server, lead author of the MS Press book "Programming Microsoft SQL Server 2008" (currently being updated for SQL Server 2012), consultant, trainer, and frequent speaker at local user group meetings, Visual Studio Live!, SQL PASS, and other industry conferences. He can be reached at lenni.lobel@sleektech.com.



CONFERENCE SPEAKERS, CONTINUED

James Montemagno
Developer Evangelist, Xamarin



James Montemagno is a Developer Evangelist at Xamarin. He has been a .NET developer for over a decade working in a wide range of industries including game development, printer software, and web services. Prior to becoming a Developer Evangelist, James was a professional mobile developer on the Xamarin platform for over 3 years, with several published apps on iOS, Android, and Windows. In his spare time he is most likely cycling around Seattle or guzzling gallons of coffee at a local coffee shop. He can be found on Twitter @JamesMontemagno and blogs code regularly on his personal blog www.MotzCod.es

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.

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.

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 thank our sponsors and exhibitors.

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

GOLD SPONSOR



GitHub

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

PREMIER MEDIA PARTNERS



.NET Developers Association

The .NET Developers Association is an Eastside community oriented group aimed at furthering the education of .NET developers.
www.meetup.com/.NET-Developers-Association/

UserGroup.TV

UserGroup.TV

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

Chicago Area DNN Users Group

Chicago DNN Users Group

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

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

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



London .NET Developers Group

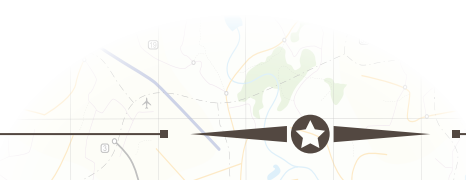
www.meetup.com/London-NET-Developers-Group/



Tech Valley .NET User Group

www.tvug.net

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



VENUE & TRAVEL



VISUAL STUDIO LIVE! HEADS TO THE LIVE MUSIC CAPITAL OF THE WORLD, AUSTIN, TX, FOR FOUR DAYS OF INTENSE DEVELOPER TRAINING.

Hyatt Regency Austin

208 Barton Springs Road
Austin, TX 78704

Special attendee rate: \$189*

Book by: May 8, 2015

BOOK YOUR ROOM ONLINE; or call 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.



Hyatt Regency Austin rooms booked within the Visual Studio Live! room block include complimentary standard in-room internet access.

Parking for the Hyatt Regency Austin**

Self-Parking: \$19.00

Daily Valet: \$15.00

Overnight Valet: \$24.00

*The \$189.00 room rate is based on single or double occupancy and excludes applicable state and local taxes.

**Parking prices subject to change without notice

Travel

AVIS RENT-A-CAR IS OFFERING a discount on car rental for Visual Studio Live! Austin 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.

Visiting Austin, TX

Exploring a city can be an exciting adventure. Visit the Austin, TX Tourism Site to start planning your trip today!



REGISTER NOW at
vslive.com/austin



Signing up 3 or more?

Group Discounts are available! Turn to page 36 for pricing details.

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

Alumni discounts are available! Turn to page 37 for pricing details

REGISTRATION PACKAGES

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

Register now at www.vslive.com/austin

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 1 – 4, 2015.

VISUAL STUDIO LIVE! 4-DAY PACKAGE INCLUDES:

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Reception
- Networking Events
- Lunch (June 1- 4)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and sample code

SUPER EARLY BIRD BY APRIL 1 , 2015

\$1,795
Save \$300

EARLY BIRD BY APRIL 29, 2015

\$1,895
Save \$200

STANDARD AFTER APRIL 29, 2015

\$2,095

Signing up 3 or more?

Group Discounts are available! Turn to page 36 for pricing details.

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

Alumni discounts are available! Turn to page 37 for pricing details

REGISTRATION PACKAGES (continued)

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

The Visual Studio Live! Austin 4-Day Conference + Hotel Package is your four day all-access pass to every keynote, session, workshop and event June 1-4, 2015 PLUS four nights at the Hyatt Regency Austin.

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

- 4-day Conference Pass
- 4 nights at the Hyatt Regency Austin (Room and tax only)—available Sunday night (May 31) through Wednesday night (June 3), departing Thursday (June 4).

SUPER EARLY BIRD BY APRIL 1, 2015

\$2,695
Save \$300

EARLY BIRD BY APRIL 29, 2015

\$2,795
Save \$200

STANDARD AFTER APRIL 29, 2015

\$2,995

Signing up 3 or more?

Group Discounts are available! Turn to page 36 for pricing details.

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

Alumni discounts are available! Turn to page 37 for pricing details

REGISTRATION PACKAGES (continued)

Visual Studio Live! 3-Day Conference Package

<p>The Visual Studio Live! Conference Package grants you access to all sessions and activities June 2 – 4, 2015.</p>	<p>VISUAL STUDIO LIVE! 3-DAY CONFERENCE PACKAGE INCLUDES:</p> <ul style="list-style-type: none"> • All Visual Studio Live! Sessions and Keynotes • Receptions • Lunch (June 2- 4) • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code 	<p>SUPER EARLY BIRD BY APRIL 1, 2015</p> <p>\$1,395</p> <p>Save \$300</p>	<p>EARLY BIRD BY APRIL 29, 2015</p> <p>\$1,495</p> <p>Save \$200</p>	<p>STANDARD AFTER APRIL 29, 2015</p> <p>\$1,695</p>

Workshop Pass (1 Day)

<p>The Visual Studio Live! Workshop Pass grants you access to one full-day workshop on Monday, June 1, 2015.</p>	<p>VISUAL STUDIO LIVE! WORKSHOP PASS INCLUDES:</p> <ul style="list-style-type: none"> • Pre-Conference Workshop – Monday, June 1, 2015 • Lunch 	<p>\$495</p>
--	---	---------------------



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

Alumni discounts are available! Turn to page 37 for pricing details

REGISTRATION PACKAGES (continued)

Group Discounts

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

For question or to register your group, please call 541.346.3537

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

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Receptions
- Networking Events
- Lunch (June 1 - 4)
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and sample code

EARLY BIRD BY APRIL 29, 2015

\$1,495

Groups Save \$600 off the Standard Rate

STANDARD AFTER APRIL 29, 2015

\$1,595

Groups Save \$500 off the Standard Rate

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

- 4-day Conference Pass
- 4 nights at the Hyatt Regency Austin (Room and tax only) - available Sunday night (May 31) through Wednesday night (June 3), departing Thursday (June 4).

EARLY BIRD BY APRIL 29, 2015

\$2,395

Groups Save \$600 off the Standard Rate

STANDARD AFTER APRIL 29, 2015

\$2,495

Groups Save \$500 off the Standard Rate



REGISTRATION PACKAGES (continued)

Visual Studio Live! Alumni 4-Day Package

<p>The Visual Studio Live! Alumni Las Vegas 5-Day Package is your five day all-access pass to every keynote, session, workshop and event March 16-20, 2015.</p>	<p>VISUAL STUDIO LIVE! ALUMNI 4-DAY PACKAGE INCLUDES:</p> <ul style="list-style-type: none"> • All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Reception • Networking Events • Lunch (June 1 - 4) • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code 	<p>SUPER EARLY BIRD BY APRIL 1, 2015</p>	<p>EARLY BIRD BY APRIL 29, 2015</p>	<p>STANDARD AFTER APRIL 29, 2015</p>
		<p>\$1,495 Alumni Save \$600</p>	<p>\$1,595 Alumni Save \$500</p>	<p>\$1,695 Alumni Save \$400</p>

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

<p>The Visual Studio Live! Austin Alumni 4-Day Conference + Hotel Package is your four day all-access pass to every keynote, session, workshop and event June 1-4, 2015 PLUS four nights at the Hyatt Regency Austin.</p>	<p>VISUAL STUDIO LIVE! ALUMNI COMPLETE CONFERENCE & HOTEL PACKAGE INCLUDES:</p> <ul style="list-style-type: none"> • 4-day Conference Pass • 4 nights at the Hyatt Regency Austin (Room and tax only) - available Sunday night (May 31) through Wednesday night (June 3), departing Thursday (June 4). 	<p>SUPER EARLY BIRD BY APRIL 1, 2015</p>	<p>EARLY BIRD BY APRIL 29, 2015</p>	<p>STANDARD AFTER APRIL 29, 2015</p>
		<p>\$2,395 Alumni Save \$600</p>	<p>\$2,495 Alumni Save \$500</p>	<p>\$2,595 Alumni Save \$400</p>

