

Visual Studio **LIVE!**
EXPERT SOLUTIONS FOR .NET DEVELOPERS

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Modern Apps **LIVE!**
MODERN APPS FROM START TO FINISH

TECHMENTOR
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Contents

- 3 What is Live! 360?
- 4 Reasons to Attend Live! 360
- 5 Events & Activities
- 7 Visual Studio Live!
Agenda At-A-Glance
- 9 Visual Studio Live!
Session Descriptions by Track
- 9 ASP.NET
- 10 Cloud Computing
- 12 Cross-Platform Mobile
Development
- 14 Data Management
- 15 JavaScript / HTML5 Client
- 17 Visual Studio / .NET Framework
- 20 Windows Client
- 22 Windows Phone
- 23 Live! 360 Conference
Advisory Board

- 24 Conference Speakers
- 28 Sponsors and Exhibitors
- 31 Venue
- 32 Travel
- 33 Registration Packages

Live! 360 Conference Co-Chairs



Andrew Brust

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



Rockford Lhotka

Visual Studio Live! Conference Co-Chair
CTO, Magenic



WHAT IS LIVE! 360?

Live! 360 brings together five conferences, and the brightest minds in IT and Dev, to explore leading edge technologies and conquer current ones. These co-located events will incorporate knowledge transfer and networking, along with out-of-this-world education and training, as you create your own custom conference, mixing and matching sessions and workshops to best suit your needs. Whether you are a developer who uses Visual Studio, SQL Server, and SharePoint; or an IT Pro looking for ways to modernize your datacenter or assistance with your SharePoint administrative duties; or a DBA focused on building and supporting successful applications using SQL Server, the agendas are crafted for (almost) every IT title.

Visual Studio LIVE!

EXPERT SOLUTIONS FOR .NET DEVELOPERS

THE CODE IS STRONG WITH THIS ONE. Visual Studio Live! Orlando is where developers, software architects and designers will connect for five days of unbiased and cutting-edge education on the Microsoft platform. With 60+ sessions led by industry experts and Microsoft insiders, you will walk away from this event having expanded your .NET skills and the ability to build better applications.

SQL Server LIVE!

TRAINING FOR DBAs AND IT PROS

CONQUER PLANET DATA. SQL Server Live! provides comprehensive education and knowledge share on SQL Server database management, data warehouse/BI model design, Big Data analytics, performance tuning, troubleshooting and coding against SQL Server. After five days of workshops, deep dives and breakout sessions, SQL Server Live! will leave you with finely tuned skills to solve your biggest data challenges.

Modern Apps LIVE!

MODERN APPS FROM START TO FINISH

MASTER THE MODERN APPS LANDSCAPE. Presented in partnership with Magenic, Modern Apps Live! brings Development Managers, Software Architects and Development Leads together to break down the complex landscape of mobile, cross-platform, and cloud development and learn how to architect, design and build a complete Modern Application from start to finish.

SharePoint LIVE!

TRAINING FOR COLLABORATION

USS COLLABORATE: LET'S WORK TOGETHER. SharePoint Live! features no-hype, practical, and independent SharePoint training. SharePoint Live! is THE place to gather and learn how to customize, deploy and maintain SharePoint Server and SharePoint foundation to maximize business value.

TECHMENTOR

IN-DEPTH TRAINING FOR IT PROS

2014: AN IT TRAINING ODYSSEY. TechMentor Orlando 2014 will be a training odyssey, focused entirely on making your datacenter more modern, more capable, and more manageable. We'll not only be covering the latest and greatest technologies, but also the latest techniques – even ones that help you get more from the technologies you're currently using. Join us, won't you?



Attendees of any of the events will have unlimited access to all five – mix and match sessions to create a custom conference!



A Message from the Conference Co-Chairs

The Microsoft Development Platform is undergoing substantial changes. Microsoft continues its rapid evolution of Windows and Windows Phone, even as it adds support for cross-platform Web applications and partners with Xamarin to support native applications too. Add to that the industry-wide HTML5 push and Microsoft's ongoing commitments to JavaScript / TypeScript and its continuous stream of enhancements to Azure, and just about the whole stack has changed, or will very soon.

We think there's a great way to digest these changes and seize their collective opportunity, and that's to hear about them directly from the finest expert speakers in the business.

We're Andrew Brust and Rockford Lhotka, and as Conference Co-Chairs for Visual Studio Live! Orlando, we'd like to personally invite you to join us this November at the Royal Pacific Resort in Orlando, FL, where we'll have some of the best content and speakers that you'll find at a technical conference.

We've put together a blockbuster lineup of sessions on: Windows Client, ASP.NET, HTML5 /

JavaScript, Cross-Platform Mobile Development, Data Management, Azure / Cloud Computing and more.

We've also got coverage on technologies like Microsoft Visual Studio 2013 / .NET 4.5.1, ASP.NET MVC, Web API, Single Page Web Apps, WPF, Xamarin, and TypeScript. Then there's our workshop content, covering cross-platform mobile development using C# and Xamarin; AngularJS; DevOps for developers; WCF and Web API; and Windows 8.1 application development. These sessions and workshops burrow deep into the new subjects you need to master and the fundamentals that are always important.

Plus, Visual Studio Live! is once again a part of Live! 360, which means we've worked with the other conference chairs to ensure our content is aligned with the co-located technology tracks at Live! 360. This gives you the unique chance to focus on SQL Server, SharePoint and Modern Apps in addition to the leading-edge and relevant .NET development content you've come to expect from Visual Studio Live!.

We're at an inflection point in the industry, and it's your choice whether to be overwhelmed by change or to seize upon it. At such a pivotal time, Internet-based content isn't enough. Find a way to get to Visual Studio Live! Orlando and get live content and interaction with independent experts. Your career deserves nothing less.

We hope to see you there!



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



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



Events & Activities

Your attendance at Live! 360 is about learning from your peers as well as the experts; make the most of your time with us and add these events and activities to your itinerary!



Dine-A-Round Dinner

Sunday, November 16, 6:00pm – 9:00pm
Universal CityWalk

Join other conference attendees and speakers for a casual, no-host dinner and make a few new friends while enjoying the fun and delicious themed restaurants at Universal CityWalk. 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.

EXPO Preview

Monday, November 17, 5:00pm – 6:00pm
EXPO Hall

Join us on Monday evening for drinks and snacks and to get a “sneak peek” at the Live! 360 exhibitors before the Live! 360 Keynote at 6:00 pm. This is a great opportunity to meet and network with your fellow attendees early in the week and to learn about the innovations and latest technologies available from our exhibitors.

Exhibitor Reception

Tuesday, November 18, 5:30pm – 7:30pm
EXPO Hall

Enjoy drinks and snacks while you explore the Live! 360 exhibits and network with fellow attendees and speakers. This is your chance to check out the latest offerings from our exhibitors to help you in daily life when you return to the office.

Don't forget to visit the Demo Theater during the Expo Preview to hear directly from exhibitors and enter for your chance to win a FREE Live! 360 2015 pass.



Birds-of-a-Feather Lunch

Wednesday, November 19,
12:15pm – 1:45pm
Dining Tent

Plumb the knowledge and experience of your colleagues, conference speakers and exhibitors by participating in one of the Birds-of-a-Feather table discussions. These tables are designated with a sign and seating is on a first-come basis. There will be a wide variety of topics covering all Live! 360 events and many tables will host a conference speaker to keep the conversation going.

Agenda At-A-Glance (Sunday, Monday & Tuesday)

ASP.NET		Cloud Computing		Cross-Platform Mobile Development		Data Management		JavaScript / HTML5 Client		Visual Studio / .NET Framework		Windows Client		Windows Phone	
START TIME		END TIME		Visual Studio Live! Pre-Conference: Sunday, November 16, 2014											
4:00 PM		9:00 PM		Pre-Conference Registration – Royal Pacific Resort Conference Center											
6:00 PM		9:00 PM		Dine-A-Round Dinner @ Universal CityWalk											
START TIME		END TIME		MONDAY, November 17, 2014: Visual Studio Live! Pre-Conference Workshops											
8:00 AM		5:00 PM		VSM01 - Workshop: Native Mobile App Development for iOS, Android, and Windows using C# - Marcel de Vries & Rockford Lhotka				VSM02 - Workshop: AngularJS in 0 to 60 - John Papa				VSM03 - Workshop: From Code to Release: DevOps for Developers - Brian Randell			
5:00 PM		6:00 PM		EXPO Preview											
6:00 PM		7:00 PM		Live! 360 Keynote: To Be Announced											
START TIME		END TIME		TUESDAY, November 18, 2014: Visual Studio Live! Day 1											
8:00 AM		9:00 AM		Visual Studio Live! Keynote: To Be Announced											
9:00 AM		9:30 AM		Networking Break • Visit the EXPO											
9:30 AM		10:45 AM		VST01 - Getting Started with Xamarin - Walt Ritscher			VST02 - Great User Experiences with CSS 3 - Robert Boedigheimer			VST03 - What's New in MVC 5 - Miguel Castro			VST04 - New IDE and Editor Features in Visual Studio 2013 - Deborah Kurata		
11:00 AM		12:15 PM		VST05 - Building Your First Universal Application for Windows Phone and Windows Store - Brian Peek			VST06 - HTML5 and Modernizr for Better Web Sites - Robert Boedigheimer			VST07 - What's New in Web API 2 - Miguel Castro			VST08 - Visual Studio Data Tools for Developers - Deborah Kurata		
12:15 PM		2:00 PM		Lunch • Visit the EXPO											
2:00 PM		3:15 PM		VST09 - Introduction to Developing Mobile Apps for the Web Developer - Ben Hoelting			VST10 - Build an Angular and Bootstrap Web Application in Visual Studio from the Ground Up - Deborah Kurata			VST11 - ASP.NET MVC for Mobile Devices - Rob Daigneau			VST12 - The Road to Continuous Delivery, Automated UI Testing for Web, WPF and Windows Forms - Marcel de Vries		
3:15 PM		4:15 PM		Networking Break • Visit the EXPO											
4:15 PM		5:30 PM		VST13 - Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap - Ben Dewey			VST14 - Hate JavaScript? Try TypeScript - Ben Hoelting			VST15 - What's New in WPF 4.5 - Walt Ritscher			VST16 - Understanding Dependency Injection & Writing Testable Software - Miguel Castro		
5:30 PM		7:30 PM		Exhibitor Reception											

Speakers and sessions subject to change

Continued

Agenda At-A-Glance (Wednesday)

ASP.NET	Cloud Computing	Cross-Platform Mobile Development	Data Management	JavaScript / HTML5 Client	Visual Studio / .NET Framework	Windows Client	Windows Phone
START TIME END TIME WEDNESDAY, November 19, 2014: Visual Studio Live! Day 2							
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced					
9:15 AM	10:30 AM	VSW01 - Build Cross-Platform Apps with Shared Projects, CSLA .NET, and C# - Rockford Lhotka	VSW02 - AngularJS Jump-Start - John Papa	VSW03 - Best Practices for Self Hosting Web API Based Services - Rob Daigneau	VSW04 - The Busy Developers Guide to Virtualization with Hyper-V - Brian Randell		
10:30 AM	11:00 AM	Networking Break • Visit the EXPO					
11:00 AM	12:15 PM	VSW05 - Building Mobile Cross-Platform Apps with HTML5 & Cordova in Visual Studio - Nick Landry	VSW06 - AngularJS Anywhere with Node.js - John Papa	VSW07 - Slice Development Time With ASP.NET MVC, Visual Studio, and Razor - Philip Japikse	VSW08 - Build It and Ship It with TFS and Release Management - Brian Randell		
12:15 PM	1:45 PM	Birds-of-a-Feather Lunch • Visit the EXPO					
1:45 PM	3:00 PM	VSW09 - What's New in Azure for Developers - Vishwas Lele	VSW10 - I Just Met You, and "This" is Crazy, But Here's My NaN, So Call(me) Maybe? - Rachel Appel	VSW11 - Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI - Marcel de Vries	VSW12 - Readable Code - John Papa		
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.					
4:00 PM	5:15 PM	VSW13 - API Management - Vishwas Lele	VSW14 - Creating HTML5 and Angular Websites Using Visual Studio LightSwitch - Michael Washington	VSW15 - Build Real-Time Websites and Apps with SignalR - Rachel Appel	VSW16 - Visual Studio Online: An Update Every Three Weeks - Brian Randell		
8:00 PM	10:00 PM	Live! 360 Evening Event					

Speakers and sessions subject to change

Continued

Agenda At-A-Glance (Thursday & Friday)

ASP.NET		Cloud Computing	Cross-Platform Mobile Development	Data Management	JavaScript / HTML5 Client	Visual Studio / .NET Framework	Windows Client	Windows Phone
THURSDAY November 20, 2014: Visual Studio Live! Day 3								
8:00 AM	9:15 AM	VSH01 - Creating Visual Studio Cloud Business Applications for Office 365 / SharePoint 2013 <i>- Michael Washington</i>	VSH02 - To Be Announced		VSH03 - Games Development with Unity and Other Frameworks for Windows and Windows Phone <i>- Brian Peek</i>		VSH04 - Managing the .NET Compiler <i>- Jason Bock</i>	
9:30 AM	10:45 AM	VSH05 - Microsoft Azure Web Sites for the Web Developer <i>- Eric D. Boyd</i>	VSH06 - Building Rich Data Input Windows 8 Applications <i>- Brian Noyes</i>		VSH07 - Build Your First Mobile App in 1 Hour with Microsoft App Studio <i>- Nick Landry</i>		VSH08 - Writing Asynchronous Code Using .NET 4.5 and C# 5.0 <i>- Brian Peek</i>	
11:00 AM	12:15 PM	VSH09 - Moving Web Apps to the Cloud <i>- Eric D. Boyd</i>	VSH10 - XAML Antipatterns <i>- Ben Dewey</i>		VSH11 - To Be Announced		VSH12 - Asynchronous Debugging in .NET <i>- Jason Bock</i>	
12:15 PM	1:30 PM	Lunch on the Lanai						
1:30 PM	2:45 PM	VSH13 - Node.js for .NET Developers <i>- Jason Bock</i>	VSH14 - Building Maintainable and Extensible MVVM WPF Apps with Prism 5 <i>- Brian Noyes</i>		VSH15 - Learning Entity Framework 6 <i>- Leonard Lobel</i>		VSH16 - Rock Your Code Using Code Contracts <i>- David McCarter</i>	
3:00 PM	4:15 PM	VSH17 - Building Mobile Cross-Platform Apps in C# with Azure Mobile Services <i>- Nick Landry</i>	VSH18 - XAML for the WinForms Developer <i>- Philip Japikse</i>		VSH19 - Database Development with SQL Server Data Tools <i>- Leonard Lobel</i>		VSH20 - Rock Your Code With Visual Studio Add-ins <i>- David McCarter</i>	
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up Andrew Connell, Matt McDermott, Don Jones, Greg Shields, Andrew Brust, Rockford Lhotka						
FRIDAY, November 21, 2014: Visual Studio Live! Post-Conference Workshops								
8:00 AM	05:00 PM	VSF01 - Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API <i>- Miguel Castro</i>			VSF02 - Workshop: Build a Windows 8.1 Application in a Day <i>- Philip Japikse</i>			

Speakers and sessions subject to change

Session Descriptions by Track

ASP.NET

Microsoft continues to put a lot of investment into improving ASP.NET. Now with the “One ASP.NET” initiative, ASP.NET allows you to create Web sites that leverage Web Forms, MVC, and the Web API, as needed, to meet your application requirements. This track includes:

- ASP.NET MVC 5
- ASP.NET Web API 2
- ASP.NET SignalR

■ VST03 What’s New in MVC 5 – Intermediate Miguel Castro

Tuesday, November 18, 9:30 – 10:45am

Well, it’s that time again where we get another new release from Microsoft on a series of platforms. Happily, the particular platform I’m talking about here is one that just keeps getting better and better: ASP.NET MVC. For the most part, the code you write is not changing so fear not, but there are some pretty cool additions I want to talk to you about, among which are Katana/Owin, Bootstrap, Security features, Scaffolding, and my favorite feature of all, Attribute Routing. So join me and let’s see stir the pot of web development, yet again!

You will learn:

- What’s changed and what’s new with MVC 5
- Dev Techniques for using new features

■ VST07 What’s New in Web API 2 – Intermediate

Miguel Castro

Tuesday, November 18, 11:00am – 12:15pm

If you thought you had new stuff to learn with MVC 5, you’re not done learning if you’re also a Web API developer. But as in the case with MVC, the new Web API 2 stuff includes welcome additions like External Authentication, Katana hosting, and the most-awesome Attribute Routing.

And if you’re into OData, there are also some new options to help shape your responses even further. Whether you think Web API is “Restful” or not, it’s still totally cool and a must-know for any developer today, and part 2 makes it even better.

You will learn:

- What’s changed and what’s new with Web API 2
- Dev Techniques for using new features

■ VST11 ASP.NET MVC for Mobile Devices – Introductory

Rob Daigneau

Tuesday, November 18, 2:00 – 3:15pm

Mobile devices are everywhere. Unfortunately, most of today’s web applications are very hard to use on mobile devices and don’t look very good when rendered on them. The challenge for developers is how to create rich, responsive web applications that work in full-size browsers and on mobile devices with the minimum amount of code. In this session, you’ll see how MVC4 will help you do just that.

You will learn:

- How to create an MVC4 application capable of targeting multiple device types
- How to leverage Razor layouts and views for various display types
- How to use jQuery Mobile to create rich UIs

■ VSW03 Best Practices for Self Hosting Web API Based Services – Intermediate / Advanced

Rob Daigneau

Wednesday, November 19, 9:15 – 10:30am

The first and most natural stop for hosting Web API based services is IIS. After all, this infrastructure provides a number of mature features that help IT professionals monitor and manage web services. However, there are times when it makes sense to host these services outside of IIS. In this session, we’ll explore the benefits and trade-offs of self-hosting

Web API based services. You’ll see how to implement a hosting container with OWIN and “windows services”. We’ll also look at techniques to implement basic health monitoring and service management.

You will learn:

- The benefits and trade-offs of self-hosting Web API based services
- How to implement self-hosting with OWIN and windows services
- How to implement basic health monitoring and service management

■ VSW07 Slice Development Time with ASP.NET MVC, Visual Studio, and Razor – Intermediate

Philip Japikse

Wednesday, November 19, 11:00am – 12:15pm

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

You will learn:

- Razor benefits (functions, templates, delegates)
- Visual Studio productivity tools (scaffolding)
- Visual Studio custom projects and templates

■ VSW11 Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI – Intermediate

Marcel de Vries

Wednesday, November 19, 1:45 – 3:00pm

How well do you test your web application or website? Are you still testing your site manually and does that take a lot of time? Do you find it hard to create and maintain automated tests for web applications? Come to this session!

Session Descriptions by Track

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

You will learn:

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

■ VSW15 Build Real-Time Websites and Apps with SignalR – Intermediate

Rachel Appel

Wednesday, November 19, 4:00 – 5:15pm

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, rather than relying on the client to make multiple and frequent requests. SignalR is a set of ASP.NET server and client libraries that you can use to build real time, scalable, websites and apps. You can use SignalR in both enterprise and consumer apps, and across platforms. This session covers what you need to know to build a SignalR app that connects multiple clients instantaneously.

You will learn:

- How to use the SignalR libraries
- About polling and real-time development techniques
- About cross platform client connectivity

CLOUD COMPUTING

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

- Migrating Web apps to the cloud
- Visual Studio Cloud Business Applications
- Microsoft Azure Web Sites

■ VSW09 What's New in Azure for Developers - Introductory

Vishwas Lele

Wednesday, November 19, 1:45 – 3:00pm

It seems like a full time job to keep up with all the announcements coming from the Azure team, but at Visual Studio Live! we have you covered. In this session, we will get you caught up with the recent new announcements (such as Web Jobs, Express Route, Traffic Manager and AD Premium), as well as key enhancements to the existing services such as Storage, Web Sites and SQL Databases. But more than just enumerate the new features, we will discuss design tradeoffs and key motivations related to the new features.

You will learn:

- New Azure Services
- Enhancements to existing services
- Guidance for using leveraging new features: tradeoffs and key motivations.

■ VSW13 API Management – Introductory

Vishwas Lele

Wednesday, November 19, 4:00 – 5:15pm

The importance of APIs to businesses cannot be overstated; just look at the way APIs have transformed the recent trends in social, cloud and mobile markets. Consequently, the API Management space is important than ever. API Management is a brand new service that helps organizations expose and publish their backend services as APIs for external and internal consumption. In this session, we will do a quick tour around API Management offerings through a series of code demonstrations.

You will learn:

- Importance of APIs to businesses
- Introduction to API management
- Understanding of API management offering presented through a series of code demonstrations

■ VSH01 Creating Visual Studio Cloud Business Applications for Office 365 / SharePoint 2013 – Introductory / Intermediate

Michael Washington

Thursday, November 20, 8:00 – 9:15am

You can create fast building mobile-first, data-centric apps for Office 365 / SharePoint 2013. The purpose of this session is to demonstrate how Visual Studio Cloud Business apps allow you to create professional business applications that would take a developer days to create. With Visual Studio Cloud Business apps you can create such applications in under an hour.

You will learn:

- How to read, write, update, and delete data
- How to incorporate Document Libraries in a Cloud Business App
- How to use Newsfeeds to Socialize Data in a Cloud Business App

Session Descriptions by Track, continued

■ VSH05 Microsoft Azure Web Sites for the Web Developer – Introductory / Intermediate Eric D. Boyd

Thursday, November 20, 9:30 – 10:45am

Do you develop web applications and services using Classic ASP, ASP.NET, PHP or Node.js? If the answer is yes, you should get acquainted with Windows Azure Web Sites.

In this session, Microsoft Azure MVP, Eric D. Boyd will walk you through what Microsoft Azure Web Sites is all about, and it's not your father's Azure. If you've been scared away from Azure by the complexity of Azure Cloud Services, Web and Worker roles, and all the complex PaaS talk, don't fear. Microsoft Azure Web Sites removes all of this complexity and simplifies the cloud for the web developer. And you still get all of the benefits of self-service, elastic, economy of scale cloud services.

You will learn:

- Get started with Microsoft Azure Web Sites
- Setup WordPress and another web applications in minutes
- Deploy your own applications on-demand using FTP, Web
- Deploy and Command Line Interfaces
- Setup continuous deployment using TFS, GIT and even Dropbox

■ VSH09 Moving Web Apps to the Cloud – Eric D. Boyd

Thursday, November 20, 11:00am – 12:15pm

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 Microsoft Azure? In this session, we will take a simple, traditional ASP.NET app and walk through the migration to Microsoft Azure. We'll discuss the important considerations, practices, architectural differences, challenges, advantages and economic benefits to consider when migrating to Microsoft Azure.

You will learn:

- Overview of common business challenges and scenarios that drive Cloud migration
- How to move traditional on-premise web applications to Microsoft Azure
- Architectural considerations for maximizing the value of the Cloud

■ VSF01 Workshop: Service Orientation Technologies: Designing, Developing, & Implementing WCF and the Web API – Introductory / Intermediate

Miguel Castro

Friday, November 21, 8:00am – 5:00pm

Service Oriented Architectures are the best way to ensure that today's applications are extensible, maintainable, and scalable in a volatile world filled with ever-changing demands. Decomposing your systems into smaller, loosely coupled, and more autonomous components ensures that your application can continue to grow or change without having to continuously undergo rewrites or redesigns.



But with great power comes great responsibility (don't say it), and the need for great technology and tooling. WCF is the heart of Microsoft's stack for building connected systems and loosely coupled components. ASP.NET Web API is the latest addition to this stack in a world where REST and its interoperability power becomes more necessary and in more demand. Come learn both of these technologies and how to properly use them, apart and together.

I'll teach you what a Service Oriented Architecture is and how to use WCF & Web API from the ground up. Then I'll show how to integrate both these technologies together into applications whose clients may vary from WPF to ASP.NET MVC to Windows 8 Tablet apps. I'll cover setup and consumption of your services end-to-end, showing you how and where to properly set up your projects, properly use proxies, contracts, and even REST URL design. You'll have the knowledge of how to use service technology and to properly implement it in a clean and elegant fashion.

You will learn:

- Writing services using WCF
- Developing REST APIs with WebAPI
- Proper application of various WCF configurations

“I really enjoyed the variety of topics, and the expertise and presentation skills of many speakers. My primary focus was Visual Studio; but I found that a few SQL sessions were really helpful.”

- Oksana Koutun, Price for Profit

Session Descriptions by Track, continued

CROSS-PLATFORM MOBILE DEVELOPMENT

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

- Using Xamarin tools to leverage your C# code on iOS and Android
- Building Cordova Apps in Visual Studio 2013
- Creating Responsive Apps with JavaScript and Bootstrap

■ VSM01 Workshop: Native Mobile App Development for iOS, Android, and Windows using C# – Intermediate

Marcel de Vries & Rockford Lhotka

Monday, November 17, 8:00am – 5:00pm

So you need to build a mobile app but have been a C# developer for a long time. What are your options? Should I build a mobile app using the web approach and build my mobile app with HTML and JavaScript? Or do I need to learn objective C for iOS, or perhaps Java to build an Android app? Do I need to learn all those different languages and frameworks to build mobile apps or are there other options for me as a C# developer?

Fortunately there are! The option that stands out for you as a C# developer is the option to build Native apps using C#. Xamarin makes this happen even from you Visual Studio IDE, by providing a language projection of the native platform libraries (Android or iOS) to C# and an implementation of the .NET framework that runs on that device.

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

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

After this workshop you will be able to build your first mobile apps on the different platforms with the Xamarin toolset and have a good understanding about the different platforms, what makes them unique and how you can build a cross platform app, while maintaining the platform uniqueness and sharing a large chunk of your codebase.

■ VST01 Getting Started with Xamarin – Introductory / Intermediate

Walt Ritscher

Tuesday, November 18, 9:30 – 10:45am

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



You will learn:

- How to make shared codebase for apps running on iOS, Mac, Windows and Android platforms
- Discover the differences between Xamarin Studio and Visual Studio
- How to start making Xamarin based applications

■ VST05 Building Your First Universal Application for Windows Phone and Windows Store – Introductory

Brian Peek

Tuesday, November 18, 11:00am – 12:15pm

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

You will learn:

- Introduction to Universal Apps
- Sharing code between projects
- Maximizing code re-use between Windows Store and Windows Phone

■ VST09 Introduction to Developing Mobile Apps for the Web Developer – Introductory / Intermediate

Ben Hoelting

Tuesday, November 18, 2:00 – 3:15pm

Developing mobile apps is very attractive for many reasons, but the cost and time investment to get started is intimidating for most. Developing a native app for every platform requires a different development toolset as well as duplicate code bases. Mobile web apps have a single code base but limited access to native device capabilities and are not store deployable. In this session, you will learn the foundations for developing mobile apps that you can submit to the

Session Descriptions by Track, continued

store using the skills you already know as a web developer.

You will learn:

- The differences between building apps using Web, Native or Hybrid
- How to develop cross-platform mobile apps using HTML5, JavaScript and CSS
- How to get started with PhoneGap and Apache Cordova

■ VST13 Creating Responsive Cross-Platform Native/Web Apps with JavaScript and Bootstrap –

Ben Dewey

Tuesday, November 18, 4:15 – 5:30pm

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

You will learn:

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

“The amount of topics on a wide array of different subject areas made the event comprehensive enough to really create my own custom track. Awesome conference all around.”

– David Macintosh, Agilysys

■ VSW01 Build Cross-Platform Apps with Shared Projects, CSLA .NET, and C#

– Intermediate

Rockford Lhotka

Wednesday, November 19, 9:15 – 10:30am

The Shared Product feature added to Visual Studio 2013 to support Universal Apps can be used across all project types from Windows Forms to iOS with Xamarin. One key requirement is that your shared code and supporting frameworks also work across all project types. CSLA .NET is one of the most widely used open source .NET development frameworks, and it supports all platforms along with Shared Projects, allowing you to reuse all your business logic on desktop, web, and mobile projects. In this session, you will learn how these tools work together to support you in your business software development efforts.

You will learn:

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

■ VSW05 Building Mobile Cross-Platform Apps with HTML5 & Cordova in Visual Studio

– Intermediate

Nick Landry

Wednesday, November 19, 11:00am – 12:15pm

Write Once, Run Everywhere. How many times have we been promised true cross-platform development? HTML5 seems to be the closest we've ever been to writing applications once and running them on multiple mobile devices, such as iOS, Android, Windows Phone or Blackberry. This session explores the fundamentals of native vs. web apps, and how to choose the right approach for any given scenario. We then dive into mobile web demos with HTML5 and JavaScript using popular frameworks, such as jQuery UI and Angular. We'll learn how to leverage Cordova & PhoneGap to wrap our mobile web UI into a native smartphone or tablet app/shell using the Multi-Device Hybrid Apps extension for Visual Studio. Discover how Cordova exposes native device hardware like cameras, sensors, GPS, device info and more. We'll also discuss testing & device emulation, the pros and cons of hybrid apps, how to deal with the UI design guidelines across platforms, and learn some do's and don'ts of cross-platform mobile development. Native mobile apps have their place, but you also need to master cross-platform techniques when the situation calls for it.

You will learn:

- The basic principles of each mobile platform: iOS, Windows Phone, Android
- About mobile web development with HTML5 and popular JavaScript frameworks
- To apply these principles to create compelling and engaging cross-platform mobile applications by wrapping HTML5 UIs with the Multi-Device Hybrid Apps extension for Visual Studio

■ VSH17 Building Mobile Cross-Platform Apps in C# with Azure Mobile Services

– Intermediate / Advanced

Nick Landry

Thursday, November 20, 3:00pm – 4:15pm

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

Session Descriptions by Track, continued

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.

You will learn:

- Benefits of the cloud in various enterprise scenarios, and how the cloud can be an extension of any mobile ecosystem
- Windows Azure Mobile Services and how to integrate them within a cross-platform app built in C#
- How to authenticate users and store remote data in the cloud in mobile iOS, Android and Windows Phone applications



DATA MANAGEMENT

You'd be hard pressed to find an Enterprise application that doesn't use or maintain a database, which is why data management is a key skill set for developers of all stripes. Visual Studio Live! meets this need handsomely, with coverage of:

- Entity Framework 6
- SQL Server Data Tools (SSDT)

■ VSH15 Learning Entity Framework 6 – Intermediate

Leonard Lobel

Thursday, November 20, 1:30 – 2:45pm

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

We'll begin with a quick introduction to ORM and EF, and then explain many of the special ORM features in EF6, such as the Entity Data Model (EDM), and support for table splitting, inheritance, entity splitting, and many-to-many relationships. With the basics covered, Lenni will then dive right into live demos that show what EF can do for you as a data access layer, using database-first, model-first, and code-first approaches with both direct SQL and stored procedures. We'll also discuss new features introduced in EF6, and show how to use EF in N-Tier scenarios.

You will learn:

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

■ VSH19 Database Development with SQL Server Data Tools – Intermediate

Leonard Lobel

Thursday, November 20, 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 Windows Azure - all from right inside of Visual Studio. While SQL Server Management Studio (SSMS) continues to serve as the primary tool for database administrators, SSDT plugs in to Visual Studio as a special database project type designed specifically for the application developer.

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

You will learn:

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

Session Descriptions by Track, continued

JAVASCRIPT / HTML5 CLIENT

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

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

■ VSM02 Workshop: AngularJS in 0 to 60 – Intermediate

John Papa

Monday, November 17, 8:00am – 5:00pm

HTML5 Single Page Apps (SPAs) focus on delivering enhanced user experiences with significant client-side interactions using JavaScript, HTML5 and CSS. AngularJS does all of the heavy lifting for you to pave the road towards building a SPA. This workshop explores the core pieces that help you build end-to-end SPA solutions using AngularJS including code structure and modularity, using data binding and MV*, abstracted remote data calls, page navigation and routing, rich data features, and responsive design.

Throughout the workshop, you'll learn how to build robust SPA applications with Angular. You'll see several focused demos and full featured apps that will help you learn and understand the role of key AngularJS components such as modules, controllers, factories, directives, and more. We'll wrap up with a dive into rich data management using Breeze.

This workshop covers:

- SPA fundamentals
- Importance of Separation of Concerns (SoC)

- JavaScript patterns for creating organized code
- Key components of AngularJS
- How directives can be used
- The role of views, controllers, and scope
- Managing remote data calls using services or factories
- The role of modules and how they can be used
- Routing and page navigation
- Handling dirty data
- Data validation
- Data binding
- Using rich data with Breeze.js
- Navigating and App LifeCycle
- Debugging Tips

■ VST02 Great User Experiences with CSS 3 – Intermediate

Robert Boedigheimer

Tuesday, November 18, 9:30 – 10:45am

In this session, you will learn how to utilize the new features of CSS 3 to create a dynamic site. CSS 3 provides many new features such as rounded corners, opacity, rgba, web fonts, transitions, transforms, box shadows, multiple background images, and much more. Review what current browser support is for CSS 3, and learn how to provide support in older browsers. Learn about vendor prefixes, why they are used, and a strategy for utilizing them while preparing for the future standardized versions. Discover how media queries have been expanded to provide a foundation for responsive web design and multi device support.

You will learn:

- How to add style to existing pages
- How to use transitions and transformations for a more dynamic site
- Vendor prefixes (and strategies)
- Media queries and multi device support

■ VST06 HTML5 and Modernizr for Better Web Sites – Intermediate

Robert Boedigheimer

Tuesday, November 18, 11:00am – 12:15pm

In this session, you will learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

The latest version of HTML is not completely standardized yet, but there are parts that are available in the latest version of browsers. There are many new elements, including those that provide more semantic meaning to common div elements (like header, footer, etc.). A new canvas can be used for drawing, while the audio and video provide new multimedia capabilities. New input types are utilized by devices to provide context sensitive keyboards and improved usability. The new application caching and web storage provide the capability for disconnected web sites for smartphones and tablets. Learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

You will learn:

- New elements
- New input types
- Modernizr and polyfills for older browsers

■ VST10 Build an Angular and Bootstrap Web Application in Visual Studio from the Ground up – Introductory / Intermediate

Deborah Kurata

Tuesday, November 18, 2:00 – 3:15pm

Angular is what HTML would have been had it been designed to build web applications. This session takes you step-by-step through the process of building an Angular application using Visual Studio.

The session starts with an empty Visual Studio project and adds Angular features one by one so you can readily see how each feature works. We'll then style the application by adding Bootstrap. Along the way you will learn how to

Session Descriptions by Track, continued

“think different” when building Web applications to get the most from Angular and Bootstrap.

You will learn:

- How to use Angular within Visual Studio
- How to use Bootstrap within Visual Studio
- How to “think different” when building a Web application using Angular

■ **VST14 Hate JavaScript? Try TypeScript**
– *Intermediate*

Ben Hoelting

Tuesday, November 18, 4:15 – 5:30pm

Many C# developers hate JavaScript. Ben believes the reason for their hatred 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 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 VS 2012 and the language features of TypeScript, you will see that JavaScript development is not so bad.

You will learn:

- New JavaScript IDE Features in VS 2012
- A definition of TypeScript
- How to use VS 2012 and TypeScript to make JavaScript development bearable

■ **VSW02 AngularJS Jump-Start – Introductory**

John Papa

Wednesday, November 19, 9:15 – 10:30am

AngularJS provides a framework to build rich web apps against your choice of back-end. We’ll explore the core features of AngularJS that will get you productive quickly including data binding, dependency management, MV-Whatever, in-browser routing, separation with client services, interacting with HTTP, and animations. These concepts will be shown by building an app from scratch, and along the way we’ll see conventions, patterns and tips that can help protect you as you scale to larger applications.

You will learn:

- Core AngularJS concepts
- The basic patterns for creating more sophisticated AngularJS apps
- Go from 0 Angular experience to being a productive SPA developer

■ **VSW06 AngularJS Anywhere with Node.js**
– *Introductory / Intermediate*

John Papa

Wednesday, November 19, 11:00am – 12:15pm

It is true the AngularJS apps can be built on any back-end, and one of the most popular techniques is to use Mongo, Express, AngularJS, and Node.js (MEAN) together. Learn the role of each of these components with an AngularJS app that runs on Node.js. We’ll also take a look at BreezeJS and how it can interact with Mongo to provide rich querying constructs from AngularJS.

You will learn:

- To run AngularJS on Node.js
- The role of the components in the MEAN stack
- To be productive in creating an Express server on Node.js

■ **VSW10 I Just Met You, and “This” is Crazy, But Here’s My NaN, So Call (me) Maybe?**

– *Introductory / Intermediate*

Rachel Appel

Wednesday, November 19, 1:45 – 3:00pm

JavaScript can be a passive-aggressive and fickle language that frustrates you at every turn! It lets you do things like declare variables wherever you want but doesn’t tell you that it will hoist them while you’re not looking. JavaScript’s this keyword is anything but, and eval can turn good code to evil fast. In this session, we will discuss the top 10 common JavaScript headaches, mistakes, or quirks you just need to know as well as how you can avoid them. Learn what can trip you, like the this keyword, JavaScript scoping, evil Eval, and the use of the With statement (VB devs beware!). Alongside those gotchas is the fact that not all equality operators are created equal and how the innocent looking parseInt() causes farce parses. This session will dig into all these language quirks and more!

Session Descriptions by Track, continued

You will learn:

- About JavaScript oddities
- Common JavaScript coding mistakes
- JavaScript efficiencies

■ VSW14 Creating HTML5 and Angular Websites Using Visual Studio LightSwitch – Introductory / Intermediate

Michael Washington

Wednesday, November 19, 4:00 – 5:15pm

Built into Visual Studio 2013 is an incredibly easy to use JavaScript data binding framework that allows you to build HTML5 SPA applications. You can also speed up development of your Angular applications by using Visual Studio LightSwitch to code your model. You can consume your backend OData Visual Studio LightSwitch services in Angular. Coding your business layer in LightSwitch will save you a lot of development time and reduce the code you will be required to write.

You will learn:

- How to create Visual Studio LightSwitch Applications
- How to consume the Visual Studio LightSwitch OData service layer
- How to create Angular Applications that interact with Visual Studio LightSwitch

VISUAL STUDIO / .NET FRAMEWORK

The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 provides ever more powerful features around debugging, architecture and application lifecycle management (ALM). Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and the .NET Framework today and into the future. Topics in this track include:

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

■ VSM03 Workshop: From Code to Release: DevOps for Developers – Intermediate

Brian Randell

Monday, November 17, 8:00am – 5:00pm

We know you know how to write code. Websites, services, and even mobile apps—you build them all. You hold your daily scrum, you burn down your work, and you finish your product backlog items. But are you finishing up that most important feature? Of course, that feature is shipping.

In this workshop, Brian will show you how to make shipping a feature you check off every time you finish your work. We take a .NET web application and show you how to ship locally and to Microsoft Azure as often as you want. In doing this, we begin by looking at the features available to you from Microsoft in Team Foundation Server 2013 as well as Visual Studio Online. We look at the monitoring tools available both on-premises and in the cloud, and look at how the world of shipping software has matured, including what the industry calls DevOps.

We discuss what you need to do to support continuous deployment. Learn how to use the latest build features, as well as look at various deployment tools such as Release Management for Visual Studio 2013. See how better testing, using tools like System Center Virtual Machine Manager and Lab Management in Team Foundation Server 2013, can make testing easier and more accurate. Learn how you can use load testing in conjunction with Windows Azure to know your app is ready.

Beyond that, sometimes bad things can happen to the best programmers, so you'll want to ensure that you're prepared for issues in production. We look at features— like Application Performance Monitoring in System Center Operations

Manager and the new Microsoft Monitoring Agent—that you can use with and without System Center. We also look at Global Service Monitoring for your publically accessible websites as well as the new Application Analytics available through Visual Studio Online.

In the last section, we cover how you can customize your DevOps practice by using PowerShell Desired State Configuration, custom workflow tasks for build and deployment, and System Center Orchestrator. You learn how you can make your life better, shipping when you want to—every week or even every day, multiple times a day.

■ VST04 New IDE and Editor Features in Visual Studio 2013 – Introductory / Intermediate

Deborah Kurata

Tuesday, November 18, 9:30 – 10:45am

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

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

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

You will learn:

- How to use the new features of Visual Studio 2013 IDE
- How to increase your productivity using the new features
- in the Visual Studio 2013 editors

Session Descriptions by Track, continued

■ VST08 Visual Studio Data Tools for Developers – Introductory / Intermediate Deborah Kurata

Tuesday, November 18, 11:00am – 12:15pm

This session covers the data tools available for developers within Visual Studio, called the SQL Server Data Tools (SSDT). There are several tools, options, and features that comprise the SSDT. The SQL Server Object Explorer in Visual Studio is a mini-SQL Server Management Studio. So you can now do most everything you need to do using one tool.

The Database project allows you to check in/out your database table, stored procedure, and data scripts. Compiling a Database project produces a DACPAC that you, your DBA, or a sys admin can use to deploy database changes. No need to ever write a change script again!

Come see how to simplify your database tasks with the SSDT.

You will learn:

- How to use the SQL Server Object Explorer within Visual Studio
- How to build a database project
- How to deploy database changes using a DACPAC

■ VST12 The Road to Continuous Delivery, Automated UI Testing for Web, WPF and Windows Forms – Intermediate

Marcel de Vries

Tuesday, November 18, 2:00 – 3:15pm

Most of you have probably heard of this new industry trend, called continuous delivery. This is where teams not only create software in short sprints, they actually deliver the software into production with the click of a button.

One of the steps involved in achieving a high team velocity and delivering new features in production after each sprint is Automated UI testing. Of course you can test a large part of your application using unit tests, but there is always a small portion of tests that need to be validated in the UI.

In this session, Marcel will show you how to automate your UI testing with the Visual Studio CodedUI test framework, which is part of Visual Studio Premium and above. He will show you how you can build automated UI test suites on Windows Forms applications, WPF Applications, XAML based Store applications, and of course Web applications. We will go through some of the fundamentals of the Object model and the way you can build tests using record and Playback; and we will go into how to write tests that are more easily maintainable by introducing you to the Page Object pattern and a way to write DRY (Don't repeat Yourself) and DAMP (Descriptive And Meaningful Phrases) tests.

You will learn:

- CodedUI test framework that is part of Visual Studio
- How the tools work to build record and playback tests
- How to use the CodedUI object model and apply the Page object Pattern
- How to build maintainable test suites that support the full application lifecycle of your application

■ VST16 Understanding Dependency Injection & Writing Testable Software – Introductory / Intermediate

Miguel Castro

Tuesday, November 18, 4:15 – 5:30pm

Dependency Injection is one of those terms that advanced programmers throw out with an expectation and assumption of full understanding on the part of the receiver. However, I constantly get asked by attendees, students, and clients to please recommend a good DI product and show them how to use it; and when I proceed to start talking about the subject, it becomes immediately apparent that many don't even know what they're asking about. It's easy to get infatuated by a cool buzz phrase, especially when you hear so many others using it. But to truly understand something you need to start by understanding the problem spaces that it is trying to solve. It's important to learn the concepts behind DI so you can write software that can be properly tested. So let's bring you totally up to speed then.

In this session, I'll explain dependency injection from concept to implementation, and use raw code samples to show you how it works and what problems it solves. I'll demonstrate how writing abstracted code can help you test your applications much better, whether or not use a DI container. Then I'll get into what a DI container is and some of the characteristics of the ones that are out there, including MEF. I'll finish by showing you implementation examples in three different platforms.

You will learn:

- Abstraction and why it's important to testing
- Complete explanation of DI concepts
- What problems DI solves
- Coverage of various DI containers
- Writing unit tests with mocking

■ VSW04 The Busy Developers Guide to Virtualization with Hyper-V – Introductory / Intermediate

Brian Randell

Wednesday, November 19, 9:15 – 10:30am

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

Session Descriptions by Track, continued

■ VSW08 Build It and Ship It with TFS and Release Management – Intermediate

Brian Randell

Wednesday, November 19, 11:00am – 12:15pm

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

■ VSW12 Readable Code – Intermediate

John Papa

Wednesday, November 19, 1:45 – 3:00pm

Is your code readable? There are some simple techniques you can use to create more readable code that can improve your efficiency and make it easier for your code to be supported across teams. Clean Code is popular and Readable Code takes a look at these concepts in a different light and gives you actionable items to improve your code today. Learn how to make Readable Code by using some of the techniques such as separation of concerns, above the fold, the LIFT principles, commenting, encapsulation, and many more!

You will learn:

- How to improve code maintainability
- How to spend less time searching for code
- How to spend less time explaining, fixing, or trying to understand code

■ VSH13 Node.js for .NET Developers – Introductory / Intermediate

Jason Bock

Thursday, November 20, 1:30pm – 2:45pm

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

You will learn:

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

■ VSW16 Visual Studio Online: An Update Every Three Weeks – Introductory / Intermediate

Brian Randell

Wednesday, November 19, 4:00 – 5:15pm

Something crazy happened at Microsoft. They changed their spots. About every three weeks for the last few years, they've been rapidly iterating on TFS in the cloud. Which means, when you show up to this session, Brian's not exactly sure what he'll show you because there's guaranteed to be something new. That said, if you're looking for a no-hassle way to manage your development team's assets using centralized version control or Git. If you want to track your work on projects big or small. If you want have elastic build servers on demand and even monitor your apps for availability and see what features your users truly use, then Visual Studio Online might just be for you whether you build Windows apps, OS/X apps, mobile apps on iOS or Android or yes, even Linux, you'll have something to see.

■ VSH04 Managing the .NET Compiler – Intermediate

Jason Bock

Thursday, November 20, 8:00 – 9:15am

With Project Roslyn, Microsoft has finally let .NET developers get access to their long-awaited compiler APIs. 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 code analysis and metaprogramming techniques.

You will learn:

- Get a thorough walkthrough of the Roslyn 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 Roslyn brings to table to make that usage easier

■ VSH08 Writing Asynchronous Code using .NET 4.5 and C# 5.0 – Intermediate

Brian Peek

Thursday, November 20, 9:30 – 10:45am

A variety of new features were added to the .NET 4.5 Framework, including support for easily writing asynchronous code. This session will introduce the concepts of asynchronous programming, .NET Tasks, how to ensure your UI remains responsive, and how to do all of this properly in your own applications using the new "async" and "await" keywords. If you're looking for ways to provide a better, smoother experience for your users, don't miss this session!

You will learn:

- About the pros/cons of asynchronous code
- How to write and use asynchronous code in .NET 4.5
- How to maintain a constantly available and responsive user interface

Session Descriptions by Track, continued

■ VSH12 Asynchronous Debugging in .NET – Intermediate

Jason Bock

Thursday, November 20, 11:00am – 12:15pm

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

You will learn:

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

■ VSH16 Rock Your Code Using Code Contracts – Intermediate/Advanced

David McCarter

Thursday, November 20, 1:30 – 2:45pm

This session will introduce developers to the new powerful new feature that is part of the .NET 4.5 framework called Code Contracts. Code Contracts brings the advantages of design-by-contract programming to .NET programming. Contracts are used to improve testing via runtime checking, enable static contract verification, and documentation generation.

You will learn to write and design bullet-proof types in .NET, an important part of coding standards and agile.

■ VSH20 Rock Your Code with Visual Studio Add-ins – Intermediate

David McCarter

Thursday, November 20, 3:00 – 4:15pm

This session will focus on my must have Visual Studio add-ins and other tools that makes programming faster and easier (and makes you look like a rock star programmer). All the tools that are either free or very affordable. Tool categories include Writing Better Code (easier, faster and correct the first time!), Code Helpers, Documentation (helper and creation), General Utilities and more. These tools are designed to impress your boss and get you home at a reasonable time. Packed full of demonstrations and very few PowerPoint slides!

You will learn:

- How to use Visual Studio to write better code
- How to self-document code
- How to find tools which are mostly free



WINDOWS CLIENT

With last year's release of Windows 8.1, adoption of the Windows Runtime (WinRT) is underway. Are you ready to build apps for this new platform? Modern Windows Store apps take advantage of key WinRT features such as Live Tiles, the Charms bar, and push notifications. They are almost certainly integrated with cloud and social services, providing users with experiences that were previously prohibitively difficult to implement. Perhaps more important, these apps run on tablets, ultrabooks, laptops, and desktops so they are available to users almost everywhere. Apps for WinRT can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live! Orlando, you'll learn to build modern Windows Store apps, and understand the finer points of WinRT and related cloud services. This track includes coverage of the following:

- WPF development
- Windows Store Development
- XAML for non-XAML developers

"I was never bored with the speakers. They were engaging and informative"

– Steve McAllister, Bank-A-Count Corp.

Session Descriptions by Track, continued

■ VST15 What's New in WPF 4.5 – Introductory / Intermediate

Walt Ritscher

Tuesday, November 18, 4:15 – 5:30pm

WPF is the go-to UI tool for building stunning, interactive Windows desktop application. Sure, HTML5 and Windows Store Apps (aka Metro) get most of the publicity nowadays, but corporate developers across the world are quietly building impressive LOB apps with WPF.

Microsoft implemented a lot of new features in WPF 4.5. Join me for an information packed session showcasing these improved features.

You will learn:

- The new binding improvements and Live Shaping of list data
- How to use the new Async APIs and learn the threading improvements
- How to use Live Shaping on list data

■ VSH06 Building Rich Data Input Windows 8 Applications – Intermediate

Brian Noyes

Thursday, November 20, 9:30 – 10:45am

A lot of Windows Store Apps you see are all about content consumption. Whether you are building a business application or just one that requires some configuration settings and occasional user input, learning what you need to do to collect input from the user, validate that input, store it locally, and call services to persist on the back end is a set of skills you will really need to master.

In this session, you will learn exactly that. You'll learn about some of the data input controls provided by the WinRT platform and how to hook them up to client side logic

through data binding. You'll learn how to manage the transient state of that input across the suspend/terminate/resume lifecycle of Windows Store apps. You'll learn how to use Web APIs to make service calls to get that data persisted on the back end. You'll even see how you can have server business or validation logic send the right information back to provide client side validation indications to the user.

You will learn:

- About the data input controls of the WinRT platform and how to use them with data binding
- How to manage the transient data input of a user across the application lifecycle
- How to validate input and persist it through Web APIs

■ VSH10 XAML Antipatterns – Intermediate

Ben Dewey

Thursday, November 20, 11:00am – 12:15pm

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

You will learn:

- Tips for maintaining clean XAML
- Layout tips for responsive XAML based Applications
- About creating modular code with Custom Controls and User Controls

■ VSH14 Building Maintainable and Extensible MVVM WPF Apps with Prism 5 – Intermediate / Advanced

Brian Noyes

Thursday, November 20, 1:30 – 2:45pm

Prism 5 is a new release of the popular Prism toolkit that has been guiding tens of thousands of developers on how to build well-architected desktop applications for over 6 years now. Prism 5 includes new functionality for building applications based on the Model-View-ViewModel (MVVM) pattern as well as continuing to support building modular, extensible, and testable composite desktop applications with WPF. In this session, we will review the key features of Prism and how to use them, including modularity, UI composition, navigation, and loosely-coupled events. Then, we will look at how to implement the MVVM pattern with the new features of Prism 5.

You will learn:

- New features in Prism 5 and how to use them
- How to use modularity and regions in Prism to build composite loosely-couple applications
- How to communicate between the loosely coupled parts of your application

■ VSH18 XAML for the WinForms Developer – Introductory / Intermediate

Philip Japikse

Thursday, November 20, 3:00 – 4:15pm

Winforms has a canvas. Drag a control onto the canvas, and viola, you're done, right? What about different resolution monitors for your users? What about localization? WPF and Windows 8.1 apps (with XAML) have a completely different layout model. Sure, there's a canvas, but it's for special cases (like ink capture). XAML is a flexible flow layout model. And it's a bit like chess. Sure, the basics are fairly simple to grasp, but what about the finer details?

Session Descriptions by Track, continued

In this session, Philip will take you through what you need to know about layouts, sizing, and the flexible flow layouts to make the UI that you are looking for in WPF or Windows 8.1.

You will learn:

- Design principles for XAML based apps
- Layouts and layout containers in XAML
- Styles and triggers in XAML

■ **VSF02 Workshop: Build a Windows 8.1 Application in a Day – Intermediate**

Philip Japikse

Friday, November 21, 8:00am – 5:00pm

In this hands-on workshop, you will not only learn what you need to know to create a working application, but you will actually build an application before you leave! You pick either XAML or JavaScript/HTML, bring a Windows 8.1 device (or VM) and any version of Visual Studio 2013, and you will be writing code almost from the very start!

If you don't have a Windows 8 machine or just want to listen to lecture, I will be developing the applications live on stage during the lab time, so you can choose to develop the applications hands on or watch the application get developed in front of your very eyes.

You will learn:

- Design guidelines for Windows 8.1 apps
- Handling changing layouts in Windows 8.1
- Lifecycle management
- Notifications (tiles and toast)
- Charms (search, sent to/from, and settings)
- User data and file access

WINDOWS PHONE

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

- Microsoft App Studio
- Building games for Windows and Windows Phone

■ **VSH03 Games Development with Unity and Other Frameworks for Windows and Windows Phone – Introductory / Intermediate**

Brian Peek

Thursday, November 20, 8:00 – 9:15am

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

You will learn:

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

■ **VSH07 Build Your First Mobile App in 1 Hour with Microsoft App Studio – Introductory / Intermediate**

Nick Landry

Thursday, November 20, 9:30 – 10:45am

Microsoft App Studio is an innovative new tool to design and build a starter app for Windows Phone and Windows Store without writing any code. Whether you're a mobile development neophyte or a savvy developer filled with great ideas but not enough time to prototype them, App Studio can help you get started by building the core of your application using multiple page templates and data sources, such as RSS feeds, YouTube videos, Flickr photos, HTML content, custom collections and more.

In this session, we'll build a live & working mobile app for both Windows Phone and Windows Store on the fly, exploring the various options of App Studio. We'll then generate the source code and dive into Visual Studio to understand the various parts produced by App Studio and how to extend them. We'll discuss how to add custom features to the starter app, turning our prototype into a real-world app, such as advertising, in-app purchasing and such. Lastly we'll go over what's involved to get the app published, how the submission process works, and where to take your app from there. If you still haven't published any mobile apps, it doesn't get any easier than with App Studio. Come learn how to get from "Idea" to "Publish" in just a few hours.

You will learn:

- How to build a starter mobile app for Windows Phone and Windows Store using Microsoft App Studio
- The basics of the Windows Phone and Windows SDKs, how to get started in mobile development and the available tools, including the emulators
- How to extend your starter Windows Phone and Windows apps from App Studio by diving into the generated source code in Visual Studio

Advisory Board



Andrew Brust

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

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

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



Michael Desmond

Editor in Chief, MSDN Magazine

Michael Desmond is editor in chief of MSDN Magazine, Microsoft's flagship publication for software developers working with Microsoft tools and technologies. A 20-year veteran in IT and technology publishing, Desmond was an editor at PC World magazine for six years

before launching an editorial consultancy that did work for leading technology firms like IBM, Intel and Sun Microsystems.



Rockford Lhotka

*CTO, Magenic
Visual Studio Live! Conference Co-Chair*

Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world.

Rockford is a Microsoft Regional Director and MVP. Magenic (magenic.com) is a company that specializes in planning, designing, building and maintaining your enterprise's most mission critical systems. For more information go to lhotka.net.



Lafe Low

Editor, Visual Studio Live!

Lafe Low has been a technology editor and writer for more than 25 years. Most recently, he was the editor in chief of TechNet magazine. He has also held various editorial positions with Redmond magazine, CIO magazine and InfoWorld. He also launched his own magazine

entitled Explore New England, and has published four editions of his guidebook The Best in Tent Camping: New England.



Keith Ward

Editor in Chief, Visual Studio Magazine

Keith Ward is editor in chief of Visual Studio Magazine. He's been a technology journalist for more than a decade. In that time, he's covered all aspects of the industry, from IT administration to virtualization to software development. He was founding editor of Virtualization

Review magazine, editor of Redmond magazine and senior editor of Microsoft Certified Professional magazine. He served as editor in chief of MSDN Magazine before his current role with Visual Studio Magazine.



Conference Speakers



Rachel Appel
Appel Consulting

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



Jason Bock
Practice Lead, Magenic

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



Robert Boedigheimer
*Principal Systems Developer,
Schwans Shared Services, LLC*

Robert Boedigheimer works for Schwans Shared Services, LLC providing business solutions with web technologies and leads Robert Boedigheimer Consulting, LLC. Robert has been designing and developing web sites for the past 15 years including the early days of ASP and ASP.NET. He is a columnist for aspalliance.com, a Pluralsight Author, an ASP.NET MVP, an author, a MCPD: ASP.NET 3.5, and a 3rd degree black belt in Tae Kwon Do. Robert has spoken at industry conferences including Visual Studio Live!, Heartland Developers Conference, DevLink, DeVTeach, Tulsa Tech Fest, DevWeek, DevReach, SDC, TechEd, AJAXWorld, and numerous national and international events.



Eric D. Boyd
Founder and CEO, responsiveX

Eric D. Boyd is the Founder and CEO of responsiveX, a Windows Azure MVP, and a regular speaker at national conferences, regional code camps and local user groups. He is so passionate about apps and cloud services that he founded responsiveX (www.responsiveX.com), a management and technology consultancy that helps customers create great web, mobile and client experiences, and these apps are often powered by cloud services. Eric launched his technology career almost two decades ago with a web development startup and has served in multiple roles since including developer, consultant, technology executive and business owner. You can find Eric blogging at <http://www.EricDBoyd.com> and on Twitter at <http://twitter.com/EricDBoyd>.



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

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



Miguel Castro
Principal Consultant, Melvicorp LLC

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

Extensible Software. Miguel is a Microsoft MVP since 2005 and when he's not consulting or training, Miguel speaks at conferences around the world, practices combining on-stage tech and comedy, and never misses a Formula 1 race. But best of all, he's the proud father of a very tech-savvy 10 year old girl, and a proud husband to the woman that homeschools her.



Rob Daigneau
*Senior Fellow, Construx
Microsoft MVP in Systems Integration*

Rob Daigneau has more than 20 years' experience designing and implementing applications and products for a broad array of industries from financial services, to manufacturing, to retail and travel. He has served in such prominent positions as Director of Architecture for Monster.com, and Manager of Application Development at Fidelity Investments. Rob is the author of the best-selling book Service Design Patterns released by Addison Wesley on the Martin Fowler Signature Series. Rob is a Microsoft MVP in Systems Integration, and has been known to speak at a conference or two.



Conference Speakers



Marcel de Vries
Technology Manager, Info Support

Marcel spends most of his time helping customers build enterprise systems based on Microsoft Technology. He has been working with Microsoft technology since he graduated in Computer Science in 1996. He started mainly with C/C++ and MFC. When Microsoft launched its new .NET platform in he immediately used it to write the first commercial application to go live in the Netherlands based on ASP.NET. Marcel writes articles and whitepapers on .NET and Team System for MSDN, Architecture journal and Dutch local magazines like .NET magazine. Marcel is a frequent speaker at conferences like Microsoft Developer Days and Tech Ed, SDC, and many local events. Besides his work as an IT Architect consultant at large bank and insurance companies he is also Technology Manager at Info Support and a Microsoft Certified trainer. As a trainer he teaches courses on Visual Studio ALM, Windows Workflow Foundation and Mobile development. Marcel is a Visual Studio ALM MVP and Microsoft Regional Director for the Netherlands.



Ben Dewey
Mobile Practice Lead, Windows Division, Tallan Inc.

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



Philip Japikse
Principal Architect, InterKnowledge

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



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.



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).

Conference Speakers



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, 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 usergroup meetings, Visual Studio Live!, SQL PASS, and other industry conferences. He can be reached at lenni.lobel@sleektech.com.



Rockford Lhotka

*CTO, Magenic Technologies
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 is a company that specializes in planning, designing, building and maintaining your enterprise's most mission critical systems.



David McCarter

*Principal Software Engineer/ Contractor/
Teacher, dotNetTips.com Microsoft C# MVP*

David McCarter is a Microsoft MVP and a software engineer/architect/consultant in San Diego. He is the editor-in-chief of dotNetTips.com... a web site dedicated to helping programmers in all aspects of programming. David has written for programming magazines and has published three books (the latest is "David McCarter's .NET Coding Standards" available at: <http://codingstandards.notlong.com>). He is one of the founders and directors of the 19 year old San Diego .NET Developers Group (www.sddotnetdg.org). In 2008 David won the INETA Community Excellence Award for his involvement in the .NET community. David is also an inventor of a software printing system that was approved by the US Patent Office in May 2008.



Conference Speakers



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.



John Papa
Owner, JohnPapa.net, LLC

John Papa is a well-known Silverlight expert and is a former Sr Technical Evangelist for Microsoft on the Silverlight and Windows 8 client teams. John is a Microsoft Regional Director and author of 100+ articles and 10 books, specializes in professional application development with technologies including Windows, HTML5, JavaScript, CSS, Silverlight, WPF, C#, .NET and SQL Server. He can often be found speaking around the world at keynotes and sessions for industry conferences such as Build, MIX, PDC, TechEd and VS Live. John was the host of the popular show Silverlight TV on Channel 9 and hosted many events including the MIXer and Open Source Fest at major conferences. He currently enjoys authoring courses for Pluralsight and writing his columns Papa's Perspective for VS Magazine and Client Insight for MSDN Magazine. You can always find John at johnpapa.net or on twitter at @john_papa.



Brian Peek
Senior Technical Evangelist, Microsoft

Brian Peek is a Senior Technical Evangelist at Microsoft, working on the Channel 9 team. Previously a Microsoft MVP in the C# discipline, he has authored numerous articles and projects for the Coding4Fun website and Microsoft conferences. Brian specializes in software development using a variety of Microsoft technologies and platforms. He is also well-versed in hardware projects, graphics and game development. Additionally, he has co-authored the book "Coding4Fun: 10 .NET Programming Projects for Wiimote, YouTube, World of Warcraft, and More" published by O'Reilly, and the book "Debugging ASP.NET" published by New Riders. Brian speaks at conferences around the country and can be reached on Twitter at @BrianPeek or via his blog at www.brianpeek.com.



Brian Randell
Partner, MCW Technologies

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



Walt Ritscher
Founder, Scandia Enterprises

Walt's enthusiasm for crafting software interfaces blossomed early. Just a few days after discovering how to make pixels move around the screen of a borrowed computer he was devouring books on the topic of computer graphics and UI design. Now he travels the world speaking at software conferences and teaching a diverse portfolio of programming topics for corporate clients. On the consulting side he continues to work with customers like Microsoft, HP, Intel, and Intuit and enjoys being part of the Wintellect consultant group. Recently he has entered the video training market producing .NET titles for Lynda.com. He writes for several publications including Code Magazine and TechTarget.com and has a new "HLSL and Pixel Shaders for XAML Developer" book 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).



Michael Washington
Founder, LightSwitchHelpWebsite.com

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

EVENT PARTNERS

Magenic

Founded in 1995 by the same technical minds that still run the company, Magenic is a custom application development firm that focuses on the Microsoft stack and mobile application development. Our 400+ consultants are spread over six U.S. offices and one international location. Fronted by numerous Microsoft MVPs and V-TSPs, our development team is current on all of the newest Microsoft technologies, including Windows 8 and SQL Server 2012. With an in-house UI/UX design team and proven quality assurance and testing practice in place, Magenic is a logical fit for Fortune 1000 organizations seeking enterprise custom application development. www.magenic.com



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

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350,000 organizations worldwide including most U.S. federal and national mapping agencies, 45 of the top 50 petroleum companies, all 50 U.S. state health departments, over 24,000 state and local governments, and many others. esri.com

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Own the experience™

Sitecore is the global leader in customer experience management software. The company delivers highly relevant content and personalized digital experiences that delight audiences, build loyalty and drive revenue. With Sitecore's experience platform, marketers can own the experience of every customer that engages with their brand, across every channel. More than 3,500 of the world's leading brands – including American Express, Carnival Cruise Lines, EasyJet and Heineken – trust Sitecore to help them deliver the meaningful interactions that win customers for life. www.sitecore.net

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Red Gate Software makes ingeniously simple software for people who work with SQL Server, Windows Azure, .NET, and Oracle. If you use SQL Server, our tools can help you compare, source control, deploy, and back up your databases. They can also help you understand and fix .NET code problems, compare and deploy Oracle databases, and manage applications, storage, and diagnostics in Windows Azure. Try all our tools for free at www.red-gate.com

EXHIBITORS



is now part of



CONFIO solarwinds

Confio Software, now a part of the SolarWinds family, develops database performance solution for DBAs, IT managers, and database developers, for both physical and virtual server environments. Database Performance Analyzer (formerly Confio Ignite), helps eliminate bottlenecks, speed problem resolution, and reduce the cost of operations for Oracle, SQL Server, DB2 and Sybase databases and VMware servers. For more information, visit www.solarwinds.com

Continued

Visit live360events.com for the growing list of sponsors, exhibitors and partners.

EXHIBITORS (CONTINUED)



With a rich history of over twenty years, LEAD Technologies has established itself as the world's leading provider of software development toolkits for document, medical, multimedia, raster and vector imaging. LEAD's flagship product, LEADTOOLS, is the most comprehensive SDK on the market for Windows and cross-platform imaging development, offering programmer friendly APIs for .NET, C/C++, WinRT, Windows Phone, HTML5, Silverlight, ASP.NET and more. For more information, visit www.leadtools.com



MySQL is the world's most popular open source database. Whether you are a fast growing web property, technology ISV or large enterprise, MySQL can cost-effectively help you deliver high performance, scalable database applications. www.mysql.com



Veeam® enables the Always-On Business™ by providing solutions that deliver Availability for the Modern Data Center™ which provides recovery time and point objectives (RTPO™) of less than 15 minutes for the majority of applications and data. Veeam recognizes the challenges in keeping a business up and running at all times and addresses them with solutions that provide high-speed recovery, data loss avoidance, verified protection, risk mitigation and complete visibility

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Host your projects and manage your daily TODOs on CodeProject ::Workspaces. ::Workspaces is the backend for CodeProject articles and is now available for use in your own projects. Unlimited Git Repositories and Task lists available anywhere, anytime. Keep your code, your articles and your projects all in one place. No limits. It's all free. Try it today! <https://workspaces.codeproject.com/>

CodeProject :: Workspaces is the official Live! 360 Orlando 2014 Wi-Fi Sponsor.

WinPhanKyle

Covering Microsoft Technologies and Developer News with personal narrative from Kyle Reddoch. www.winphankyle.com



John Sansom is a Microsoft Certified Master (MCM) of SQL Server and author of the popular SQL Brit blog community. Inspiring excellence and encouraging the development of others, John created the **SQL Community Forum**, an entirely free community for ambitious Data Professionals to collaborate and share knowledge. Having only just recently

launched, the community has already amassed over 1000 posts of insight and experience.

John is also the publisher of the free SQL community ebook **DBA JumpStart**, an inspiring collection of advice for Data Professionals, written by 20 SQL Server experts.

Awarded the Microsoft Community Contributor (MCC) award, John is a prolific blogger and can be found regularly writing about SQL Server and Professional Development over at www.johnsansom.com



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



The **Arizona PowerShell User Group (AZPOSH)** was formed to build a strong local community of IT Professionals interested in using and learning PowerShell.

We are the Premier PowerShell User Group in the Southwest and we encourage PowerShell users everywhere of any skill level (beginners-experts) to join the group.

Continued

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ALLIANCE MEDIA PARTNER



The Windows Developer User Group has been established to nurture knowledge base and collaboration among Windows Phone & Windows 8 application developers & enthusiasts. While primarily based in Columbus

OH, developers from all around Ohio, neighboring states and just about anybody who has interest in the Microsoft ecosystem, is most welcome. Modus operandi includes monthly User Group meetups and developer hackathons!

Additional information here: <http://thewindowsdeveloperusergroup.com/> or follow us on twitter: @windowsdevug.

Media Partners *Please note that the below media partners will not have an associated logo saved.

ALLIANCE MEDIA PARTNER (CONTINUED)



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

ALLEN CONWAY

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

HAISHI BAI

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

BoogarLists

With a qualified directory of more than 2,000 Venture Capital and Mid-Market/LBO private equity firms, **BoogarLists** is an excellent place for entrepreneurs to begin their search for investment capital. Whether starting a new company or striving to take an early stage company to the next level, CEO's and CFO's will invariably want to seek out new sources of capital or other financial services. BoogarLists provides an extensive directory of financial, operations and marketing services, as well as a comprehensive directory of conferences and associations, across the technology, media and communications industries.

CANADA'S TECHNOLOGY TRIANGLE .NET USER GROUP

Canada's Technology Triangle .NET User Group is a community group for .NET developers in the **Kitchener/Waterloo** and surrounding area that provides networking opportunities for local IT professionals all while learning about the latest .NET technologies. Founded in August 2002,

Canada's Technology Triangle .NET User Group continues to run today thanks to ongoing support from our sponsors, and a great team of dedicated volunteers.

CHICAGO VISUAL STUDIO ALM USER GROUP

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

LONDON .NET DEVELOPERS USER GROUP

We will meet regularly to explore the use of .NET for building mobile to web applications or just for fun of coding. Our goal is to create a great social group in the London and surrounding area where everyone can come share and learn from each other. We will be learning and coding with a focus on web and multi-platform mobile development, including MonoTouch, Mono for Android, Windows Phone, Windows 8 and ASP.NET. www.meetup.com/London-NET-Developers-Group/

TECH VALLEY .NET USER GROUP

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

Visit live360events.com for the growing list of sponsors, exhibitors and partners.

Venue

Combine business and pleasure! Make your time at Live! 360 Orlando even better by bringing the family and staying at Loews Royal Pacific Resort at Universal Orlando®, home to all Visual Studio Live!, SharePoint Live!, Modern Apps Live!, SQL Server Live!, and TechMentor Orlando sessions and activities. Loews Royal Pacific Resort is a perfect retreat with its exotic South Seas flavor for parents and kids alike.



Loews Royal Pacific Resort
6300 Hollywood Way
Orlando, Florida, 32819
Phone: 866.360.7395

Rooms at Loews Royal Pacific Resort in the Live! 360 Room Block also include the following:

- Complimentary in-room internet connectivity*
- Complimentary use of The Gymnasium, fitness center

Rates are based on availability, so book your accommodations today.

Complete Conference + Hotel Package

If you select the Complete Conference + Hotel Package when registering, a hotel room at Loews Royal Pacific Resort will be reserved for you.



Hotel Information

Loews Royal Pacific Resort provides comfort and relaxation in an ideal location. Situated just a short walk or water taxi ride away from Universal's two amazing theme parks, Universal Studios Florida® and Universal's Islands of Adventure®, and Universal CityWalk®, this well-situated property makes visiting this sunny locale easy.

And to help make your conference experience more affordable, we've secured a special hotel rate of \$155 per night at Loews Royal Pacific Resort if you register by Tuesday, October 21, 2014.

Special attendee rate: \$155

Book by: October 21, 2014

Reservations: Online or 866.360.7395

To make your hotel reservation, please book online or call reservations at 866.360.7395 and ask for the Live! 360 Room Block.



Travel

Air Travel Discounts

American Airlines is offering a 5% discount to Live! 360 Orlando attendees for travel to Orlando International Airport between November 14 and 24, 2014. Mileage members can receive credit for all American miles flown to attend this conference. To take advantage of these discounts, please call toll-free, or have your travel agent call: American Airlines: 800.433.1790 and reference number 46N4BM. To book your discounted ticket online go to www.aa.com and use the discount reference number above as the aa.com promotion code.

Car Rental Discounts

AVIS Avis Rent-a-Car is offering a discount on car rental for Live! 360 Orlando 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.

Airport Transportation (Orlando International Airport) Loews Royal Pacific Resort does not provide airport transportation, but there are several options:

Mears Transportation

800.759.5219

Mears provides convenient and affordable transportation between the Orlando International Airport and Loews Royal Pacific Resort. One way fares start at \$18. This is a shuttle service that will have other stops along the way.

Mears can also assist with sedan reservations or advance taxi reservations.

Taxi

One way fares from Orlando International Airport (MCO) average \$45-\$50

Directions to the Royal Pacific Resort at Universal Orlando:

Located in Universal Studios Florida, Loews Royal Pacific Resort is only 15 minutes from Orlando International Airport.

From Turnpike (North and South):

- Take Exit 259 (I-4 interchange) onto I-4 West (Tampa)
- Take Exit 74B (Universal Studios) and get in the right lane
- At traffic light, turn right onto Hollywood Way.
- Loews Royal Pacific Resort entrance is second entrance on the right

From Downtown Orlando (I-4 West):

- Take I-4 West to Exit 74B (Universal Studios) and get in the right lane
- At traffic light, turn right onto Hollywood Way
- Loews Royal Pacific Resort entrance is second on the right

From Tampa (I-4 East):

- Take I-4 East towards downtown Orlando.
- Take Exit 75A (Universal Studios) and get in the left lane
- At traffic light, turn left on Universal Blvd.
- Turn left at next traffic light (Hollywood Way)
- Loews Royal Pacific Resort entrance is 1/3 mile on your left

From Orlando International Airport:

- Take the North exit out the airport onto Beachline Expressway (SR528) West (International Drive, Convention Center)
- Continue on Beachline and take I-4 East
- Take Exit 75A (Universal Studios) and get in the left lane
- At the end of the exit ramp, turn left onto Universal Blvd.
- At the second traffic light, turn left (Hollywood Way)
- Loews Royal Pacific Resort entrance is 1/3 mile on your left
- *SR528 is a toll road.

From I-95 South:

- Take I-95 South to Exit 260B (I-4 West towards Orlando)
- Take I-4 West to Exit 74B (Universal Studios) and get in the right lane
- At the traffic light, turn right onto Hollywood Way
- Loews Royal Pacific resort entrance is second on the right

From I-95 North:

- Take I-95 North to Exit 205 (SR528 - Beachline Expressway) heading West
- Continue on Beachline and take I-4 East
- Take Exit 75A (Universal Studios) and get in the left lane
- Turn left on Universal Blvd.
- Turn left at second traffic light (Hollywood Way)
- Loews Royal Pacific Resort entrance is 1/3 mile on your left
- *SR528 is a toll road.

Hotel Self or valet parking for Live! 360 attendees:

- Self-parking is \$8* per day
- Valet parking is \$12* per day

* Rates subject to change without prior notice.

Discover Orlando and the Universal Orlando areas

Visit www.orlandoinfo.com for information on places to visit and things to do in the Orlando area. You can also visit www.universalorlando.com for more information on the Universal Orlando theme parks and area.



Registration Packages

Sign up for the conference package that best meets your schedule and needs!

Live! 360 5-Day Package

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 38 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 39 for pricing details.

The Live! 360 5-Day Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences.

**Super Early Bird
by Sep 17, 2014**

\$1,895

Save \$400

**Early Bird
by Oct 15, 2014**

\$1,995

Save \$300

**Standard
after Oct 15, 2014**

\$2,295

Registration Packages, continued

Live! 360 5-Day Conference + Hotel Package

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 38 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 39 for pricing details.

<p>The Live! 360 5-Day Conference + Hotel Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences; PLUS five nights at the Royal Pacific Resort. 5 nights at the Royal Pacific Resort (Room and tax only) - available Sunday night (November 16) through Thursday night (November 20), departing Friday (November 21).</p>	Super Early Bird by Sep 17, 2014	Early Bird by Oct 15, 2014	Standard after Oct 15, 2014
	<p>\$2,845 Save \$400</p>	<p>\$2,945 Save \$300</p>	<p>\$3,245</p>

Registration Packages, continued

Live! 360 3-Day Package

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 38 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 39 for pricing details.

The Live! 360 3-Day Package is your three day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences.

Super Early Bird
by Sep 17, 2014

\$1,395

Save \$400

Early Bird
by Oct 15, 2014

\$1,495

Save \$300

Standard
after Oct 15, 2014

\$1,795

Registration Packages, continued

Live! 360 3-Day Conference + Hotel Package

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 38 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 39 for pricing details.

<p>The Live! 360 3-Day Conference + Hotel Package is your 3-day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences; PLUS four nights at the Royal Pacific Resort. 4 nights at the Royal Pacific (Room and tax only) - available Monday night (November 17) through Thursday night (November 20), departing Friday (November 21).</p>	Super Early Bird by Sep 17, 2014	Early Bird by Oct 15, 2014	Standard after Oct 15, 2014
	<p>\$2,165 Save \$400</p>	<p>\$2,265 Save \$300</p>	<p>\$2,565</p>

Registration Packages, continued

Workshop Pass

- ▶ Signing up 3 or more? Group Discounts are available! Turn to page 38 for pricing details.
- ▶ Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 39 for pricing details.

<p>The Live! 360 Workshop Pass grants you access to one full-day workshop at Live! 360 Orlando on either Monday, November 17 OR Friday, November 21, 2014.</p>	<p>Super Early Bird by Sep 17, 2014</p>	<p>Early Bird by Oct 15, 2014</p>	<p>Standard after Oct 15, 2014</p>
	<p>\$550</p>	<p>\$550</p>	<p>\$550</p>

Registration Packages, continued

Group Discounts

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

► Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available! Turn to page 39 for pricing details.

Live! 360 5-Day Group Package

The Live! 360 5-Day Group Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences.

Early Bird
by Oct 15, 2014

\$1,595

Save \$100

Standard
after Oct 15, 2014

\$1,695

Live! 360 5-Day Conference + Hotel Group Package

The Live! 360 5-Day Group Conference + Hotel Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences; PLUS five nights at the Royal Pacific Resort. 5 nights at the Royal Pacific Resort (Room and tax only) - available Sunday night (November 16) through Thursday night (November 20), departing Friday (November 21).

Early Bird
by Oct 15, 2014

\$2,545

Save \$100

Standard
after Oct 15, 2014

\$2,645

For questions regarding group registration or for more information please call 541.346.3537.

Registration Packages, continued

Live! 360 Alumni 5-Day Package

The Live! 360 5-Day Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences.

Super Early Bird
by Sep 17, 2014

\$1,595

Save \$700

Early Bird
by Oct 15, 2014

\$1,695

Save \$600

Standard
after Oct 15, 2014

\$1,795

Save \$500

Registration Packages, continued

Live! 360 Alumni 5-Day Conference + Hotel Package

<p>The Live! 360 5-Day Conference + Hotel Package is your five day all-access pass to every keynote, session, workshop and event November 17-21, 2014 for all five co-located conferences; PLUS five nights at the Royal Pacific Resort. 5 nights at the Royal Pacific Resort (Room and tax only) - available Sunday night (November 16) through Thursday night (November 20), departing Friday (November 21).</p>	<p>Super Early Bird by Sep 17, 2014</p>	<p>Early Bird by Oct 15, 2014</p>	<p>Standard after Oct 15, 2014</p>
	<p>\$2,545 Save \$700</p>	<p>\$2,645 Save \$600</p>	<p>\$2,745 Save \$500</p>

Registration Packages, continued

Live! 360 Alumni 3-Day Package

The Live! 360 3-Day Package is your three day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences.

Standard Price

(No additional discounts apply)

\$1,295

Live! 360 Alumni 3-Day Conference + Hotel Package

The Live! 360 3-Day Conference + Hotel Package is your 3-day all-access pass to every keynote, session and event November 18-20, 2014 for all five co-located conferences; PLUS four nights at the Royal Pacific Resort. 4 nights at the Royal Pacific (Room and tax only) - available Monday night (November 17) through Thursday night (November 20), departing Friday (November 21).

Standard Price

(No additional discounts apply)

\$2,065