Visual Studio® LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

ORLANDO, FL | **NOVEMBER 18-22, 2013**
LOEWS ROYAL PACIFIC RESORT AT UNIVERSAL ORLANDO

LIVE! 360
IT EVENTS WITH PERSPECTIVE

20 LIVE!
CELEBRATING TWENTY YEARS

WE'VE GOT YOUR TICKET TO CODE!

ALL ACCESS **LIVE!** ADMIT ONE

VISUAL STUDIO LIVE! ORLANDO TRACK TOPICS:

➤ **Azure / Cloud Computing**

➤ **Mobile Development**

➤ **Data Management**

➤ **Visual Studio / .NET Development**

➤ **Web and JavaScript Development**

➤ **Windows 8.1 / WinRT**

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SQL Server LIVE!
TRAINING FOR DBAs AND IT PROS

SharePoint LIVE!
TRAINING FOR COLLABORATION

Modern Apps LIVE!
MODERN APPS FROM START TO FINISH

Buy one, get three free! Four co-located conferences @ one great price.

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Contents

Who Should Attend Visual Studio Live!

Application Development Managers

ASP.NET Programmers

Corporate/Business Management

Development Team Managers

Directors of Software Development

Enterprise Architects

Executive IT Management

Operations Managers

Programmers

Project Leaders

Senior Architects

Software Architects / Designers

Software Developers

Software Engineering Supervisors

Software Teams

Sr. Programmers

Sr. Software Developers

Systems Analysts

Technical VPs

Visual Studio Programmers

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A Message from the Conference Co-Chairs

Windows 8.1 and Windows Phone 8 are out and share common APIs. Add to that the industry-wide HTML 5 push, NoSQL and various enhancements to Windows Azure reaching general availability, and you can see how the whole Microsoft software development stack continues to evolve and improve.

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, in sunny Orlando, Florida this November.

We're Andrew Brust and Rocky Lhotka, and as Conference Co-Chairs for Visual Studio Live! Orlando, we'd like to personally invite you to join us at the magnificent Loews Royal Pacific Resort at Universal Orlando, 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 8.1/WinRT, Azure/Cloud Computing, Web and JavaScript Development, Data Management, Mobile Development, and Microsoft Visual Studio /.NET Framework. These sessions burrow deep into the new subjects you need to master and the fundamentals that are always important.
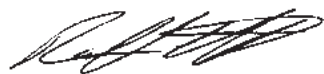
Plus, Visual Studio Live! is once again a part of Live! 360, which means we've worked with the other conference chairs to ensure our content is aligned with the co-located technology tracks at Live! 360. This gives you the unique chance to focus on SQL Server, SharePoint and Modern Apps in addition to the leading-edge and relevant .NET development content you've come to expect from Visual Studio Live!.

Hardcore content from independent experts isn't a luxury. With so much change in the Microsoft stack, it's a necessity. Visual Studio Live! and Live! 360 are here to help you master it.

We hope to see you in Orlando!

Andrew Brust
Visual Studio Live! Co-Chair

Rockford Lhotka
Visual Studio Live! Co-Chair

Visual Studio Live! Orlando Advisory Council

Andrew Brust
Visual Studio Live! Orlando Co-chair
Founder & CEO, *Blue Badge Insights*

Michael Desmond
Editor in Chief, *MSDN Magazine*

Rockford Lhotka
Visual Studio Live! Orlando Co-chair
Principal Technology Evangelist, *Magenic*

Keith Ward
Editor in Chief, *Visual Studio Magazine*

Michael Domingo
Editor in Chief, *Virtualization Review*

WHAT IS LIVE! 360?

Live! 360 is a unique conference comprised of four co-located events: **Visual Studio Live!**, **Modern Apps Live!**, **SharePoint Live!**, and **SQL Server Live!**. These forward-thinking and educational events are geared toward both the IT and Developer community. Incorporating knowledge transfer, networking and leading-edge training, these conferences keep attendees up-to-date on current technologies with a look to the future.

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

WE'VE GOT YOUR TICKET TO CODE!

Visual Studio Live! Orlando brings developers, software architects, programmers and designers together to learn from industry experts and Microsoft insiders. Attendees will learn how to maximize the development capabilities of Visual Studio and .NET and SO much more in tracks including Mobile, Web / HTML5, Windows 8.1 / WinRT and WPF / Silverlight. **vslive.com/Orlando**

FINE TUNE YOUR DATA.

SQL Server Live! provides IT professionals, developers, DBAs and analytics specialists — across a breadth of experience and organizations — comprehensive education and knowledge share for SQL Server database management, data warehouse/BI model design, Big Data analytics, performance tuning, troubleshooting and coding against SQL Server. **sqllive360.com**

COLLABORATE AND LISTEN.

SharePoint Live! provides leading-edge knowledge and training for SharePoint administrators, developers and planners who must customize, deploy and maintain SharePoint Server and SharePoint Foundation to maximize business value. **splive360.com**

THE FUTURE OF SOFTWARE DEVELOPMENT IS BACK.

Modern Apps Live! is back for an encore performance after its well-received event in March! Presented in partnership with Magenic, Modern Apps Live! brings development managers, software architects and development leads together to break down the latest and greatest techniques in low-cost, high-value application development. What sets Modern Apps Live! apart is the singular topic focus; sessions build on each other as the conference progresses, leaving you with a holistic understanding of modern applications. **modernappslive.com**

10

Reasons to Attend
Visual Studio Live! Orlando

1. **LIVE! LEARNING.** Let's face it – nothing beats live learning, and attending the development world's most trusted conference remains the best way to stay current in the ever-changing IT industry.

2. **FOUR-FOR-ONE!** By registering for Visual Studio Live!, you have access to the other co-located conferences going on during Live! 360 - SharePoint Live!, SQL Server Live!, and Modern Apps Live! – for one low price!

3. **CREATE-YOUR-OWN-CONFERENCE.** Not only do you have access to 5 days of 60+ educational sessions covering .NET / Visual Studio, Mobile, Web/HTML5 and Windows 8.1 / WinRT, but you'll have access to 140+ sessions on SQL Server, SharePoint, and Modern Apps techniques. Live! 360 offers you a chance to individualize your conference experience like never before.

4. **EVERYONE HAS A VOICE.** Hear from both independent industry experts and Microsoft insiders on the most recent software and industry updates.

5. **IMMERSE YOURSELF.** Pre and post conference workshops provide a deep dive into the topics you want to learn about most!

6. **ALL-ACCESS.** Not only will you find your favorite industry speakers all in one place, including Andrew Brust, Miguel Castro, Marcel de Vries, Billy Hollis, and Rocky Lhotka, but you have unparalleled access to them during lunches, in the hallways, and during activities to ask questions, get their opinions, or just introduce yourself!

7. **WHAT'S OUR NAME?** Visual Studio Live! The Microsoft .NET 4.5 framework includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2012 provides powerful features around debugging, architecture and application lifecycle management (ALM). We'll give you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and LightSwitch today and into the future.

8. **KNOWLEDGE IS POWER.** Find out what's happening on the Microsoft and developer landscape – with both the technology you're working with today, AND the new stuff that's on the horizon.

9. **KNOW THY NEIGHBOR.** We give you countless opportunities to get to you your fellow attendees, both formally and informally. From the networking breakfasts, to evening activities, to just sitting next to someone new at lunch, you'll have the unique chance to learn from and share with your peers, all week long!

10. **KILL TWO BIRDS WITH ONE STONE.** You think your 8 year old will be happy to find out you are going to Orlando ALONE? Make it a work and family trip - bring your spouse and kids along!

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Events & Activities

Your attendance at Visual Studio Live! / 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 17,
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. Groups can break into smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

EXPO Preview
Monday, November 18,
5:00pm – 7:00pm
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 7:00 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 19,
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 2014 pass.

Round Table Lunch
Wednesday, November 20,
12:15pm – 1:45pm
Dining Tent

Plumb the knowledge and experience of your colleagues, conference speakers and exhibitors by participating in one of the Luncheon Round 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.

Luncheon Rockin' Round Table
Thursday, November 21
12:15pm – 1:30pm
Dining Tent

Live! 360 celebrates 20 years of Visual Studio Live! by rolling back the tunes to 1993. What were you listening to in 1993? Grunge, Hip Hop, Top 40, Alternative? Come join one of our lunch tables for a lively discussion on the top artists and hits of 1993.

Tables will include:
• Whitney Houston
• Snoop Dogg
• Eazy E
• Pearl Jam
• Smashing Pumpkins
• Ace of Base
• Madonna
• Duran Duran
• Tupac
• Spin Doctors
• REM
• Soundgarden

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS
LIVE! 360
IT EVENTS WITH PERSPECTIVE
ORLANDO, FL | NOVEMBER 18-22, 2013
LOEWS ROYAL PACIFIC RESORT
AT UNIVERSAL ORLANDO

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

Windows 8.1 / WinRT	Web and JavaScript Development	Visual Studio / .NET Framework	Azure / Cloud Computing	Mobile Development	Data Management

START TIME	END TIME	Visual Studio Live! Pre-Conference: Sunday, November 17, 2013			
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	Visual Studio Live! Pre-Conference Workshops: Monday, November 18, 2013 (Separate entry fee required)			
6:30 AM	8:00 AM	Pre-Conference Workshop Registration - Coffee and Morning Pastries			
8:00 AM	5:00 PM	VSM01 - Build an Application in a Day on Windows 8 - Philip Japikse	VSM02 - Rich Data HTML Mobile and Browser Clients with Knockout, JQuery, Breeze, and Web API - Brian Noyes		VSM03 - End-to-End Service Orientation: Designing, Developing, & Implementing Using WCF and the Web API - Miguel Castro	
5:00 PM	7:00 PM	EXPO Preview			
7:00PM	8:00 PM	Live! 360 Keynote: To Be Announced			

START TIME	END TIME	Visual Studio Live! Day 1: Tuesday, November 19, 2013			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries			
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 - What's New in Windows 8.1 for Developers - Brian Peek	VST02 - Patterns for JavaScript - John Papa	VST03 - Overview and What's New in Windows Azure - Eric D. Boyd	VST04 - What's New in Visual Studio 2013? - Brian Noyes
11:00 AM	12:15 PM	VST05 - Controlling Hardware Using Windows 8.1 - Brian Peek	VST06 - Jump-Start for Building Single Page Apps - John Papa	VST07 - IaaS in Windows Azure with Virtual Machines - Eric D. Boyd	VST08 - What's New in the .NET 4.5 BCL - Jason Bock
12:15 PM	2:00 PM	Lunch • Visit the EXPO			
2:00 PM	3:15 PM	VST09 - A Lap Around Windows Phone 8 Development - David Isbitski	VST10 - WCF & Web API: Can We All Just Get Along?!? - Miguel Castro	VST11 - Solving Security and Compliance Challenges with Hybrid Clouds - Eric D. Boyd	VST12 - How to Be a C# Ninja in 10 Easy Steps - Benjamin Day
3:15 PM	4:15 PM	Networking Break • Visit the EXPO			
4:15 PM	5:30 PM	VST13 - Developing a Modern Mobile App Strategy - Todd Anglin	VST14 - Building Rich Data HTML Client Apps with Breeze.js - Brian Noyes	VST15 - Cloud Connected Apps with Azure Mobile Services - David Isbitski	VST16 - Software Testing with Visual Studio 2013 and Team Foundation Server 2013 - Benjamin Day
5:30 PM	7:30 PM	Exhibitor Reception			

*Speakers and sessions subject to change

LIVE! 360
IT EVENTS WITH PERSPECTIVE

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

ORLANDO, FL | NOVEMBER 18-22, 2013
LOEWS ROYAL PACIFIC RESORT
AT UNIVERSAL ORLANDO

Agenda At-A-Glance (Wednesday)

Windows 8.1 / WinRT	Web and JavaScript Development	Visual Studio / .NET Framework	Azure / Cloud Computing	Mobile Development	Data Management

START TIME	END TIME	Visual Studio Live! Day 2: Wednesday, November 20, 2013			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries			
8:00 AM	9:00 AM	Visual Studio Live! Keynote: To Be Announced			
9:15 AM	10:30 AM	VSW01 - What's New in WPF 4.5? - *Walt Ritscher*	VSW02 - Slice Development Time with ASP.NET MVC, Visual Studio, and Razor - *Philip Japikse*	VSW03 - Build the Next YouTube: Windows Azure Media Services - *Sasha Goldshtein*	VSW04 - NoSQL for the SQL Guy - *Ted Neward*
10:30 AM	11:00 AM	Networking Break • Visit the EXPO			
11:00 AM	12:15 PM	VSW05 -Learning UX Design Principles Through Windows 8 Apps - *Billy Hollis*	VSW06 - Doing More with LESS for CSS - *Todd Anglin*	VSW07 - JavaScript, Meet Cloud: Node.js on Windows Azure - *Sasha Goldshtein*	VSW08 - Gaining the Knowledge of the Open Data Protocol (OData) - *Christopher Woodruff*
12:15 PM	1:45 PM	Round Table Lunch • Visit the EXPO			
1:45 PM	3:00 PM	VSW09 - Building Windows Store Business Apps with Prism - *Brian Noyes*	VSW10 - Building Mobile Cross-Platform Apps with HTML5 & PhoneGap - *Nick Landry*	VSW11 - Applied Windows Azure - *Vishwas Lele*	VSW12 - Seeking Life Beyond Relational: RavenDB - *Sasha Goldshtein*
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.			
4:00 PM	5:15 PM	VSW13 - Migrating from WPF to WinRT - *Rockford Lhotka*	VSW14 - Connecting to Data from Windows Phone 8 - *Christopher Woodruff*	VSW15 - Windows Azure in the Enterprise: Hybrid Scenarios - *Vishwas Lele*	VSW16 - Session To Be Announced
8:00 PM	10:00 PM	Live! 360 Evening Event			

"THIS WAS MY FIRST CONFERENCE. I WAS TOTALLY BLOWN AWAY WITH THE INFORMATION I AM TAKING BACK WITH ME. I HIGHLY RECOMMEND THIS CONFERENCE TO ANYONE WHO IS SERIOUS ABOUT DEVELOPING SOFTWARE."

- *Edward Mendez, Senior Developer , Demandata System*

LIVE! 360
IT EVENTS WITH PERSPECTIVE

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

ORLANDO, FL | NOVEMBER 18-22, 2013
LOEWS ROYAL PACIFIC RESORT
AT UNIVERSAL ORLANDO

Agenda At-A-Glance (Thursday & Friday)

Windows 8.1 / WinRT	Web and JavaScript Development	Visual Studio / .NET Framework	Azure / Cloud Computing	Mobile Development	Data Management

START TIME	END TIME	Visual Studio Live! Day 3: Thursday, November 21, 2013			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries			
8:00 AM	9:15 AM	VSH01 - Windows 8 HTML/JS Apps for the ASP.NET Developer - Adam Tuliper	VSH02 - Create Data Driven Web Sites with WebMatrix 3 and ASP.NET Web Pages - Rachel Appel	VSH03 - Making the Most of the TFS Service - Brian Randell	VSH04 - iOS Development Survival Guide for the .NET Guy - Nick Landry
9:30 AM	10:45 AM	VSH05 - Interaction and Navigation Patterns in Windows 8 Apps - Billy Hollis	VSH06 - Building Real-Time, Multi-User Interactive Web and Mobile Applications Using SignalR - Marcel de Vries	VSH07 - Continuous Integration Builds and TFS - Brian Randell	VSH08 - iOS Development Survival Guide for the .NET Guy, Part 2 - Nick Landry
11:00 AM	12:15 PM	VSH09 - Enhancing the Windows 8 Start Screen with Tiles, Toast and Notifications - Walt Ritscher	VSH10 - Build Data-Driven Mobile Web Apps with ASP.NET MVC and jQuery Mobile - Rachel Appel	VSH11 - IntelliTrace, What is it and How Can I Use it to My Benefit? - Marcel de Vries	VSH12 - Session To Be Announced
12:15 PM	1:30 PM	Lunch			
1:30 PM	2:45 PM	VSH13 - Adventures in Unit Testing: TDD vs. TED - Ben Hoelting	VSH14 - Maximizing Entity Framework 6 in Your Web Projects - Adam Tuliper	VSH15 - Modern .NET Development Practices and Principles - Jason Bock	VSH16 - Sharing Up to 80% of Code Building Mobile Apps for iOS, Android, WP 8 and Windows 8 - Marcel de Vries
3:00 PM	4:15 PM	VSH17 - Blend for Visual Studio: Design Your XAML or HTML5\CSS3 UI Faster - Ben Hoelting	VSH18 - Patterns and Tools for Parallel Programming - Marcel de Vries	VSH19 - Static Analysis in .NET - Jason Bock	VSH20 - Talk to Me. Using Speech in Your Windows Phone App - Walt Ritscher
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up			

START TIME	END TIME	Visual Studio Live! Post-Conference Workshops: Friday, November 22, 2013 (Separate entry fee required)	
7:00 AM	8:00 AM	Post-Conference Workshop Registration - Coffee and Morning Pastries	
8:00 AM	5:00 PM	VSF01 - Workshop: NoSQL - Ted Neward	VSF02 - Workshop: Visual Studio ALM—To Infinity and Beyond - Brian Randell

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LIVE! 360
IT EVENTS WITH PERSPECTIVE

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

ORLANDO, FL | NOVEMBER 18-22, 2013
LOEWS ROYAL PACIFIC RESORT
AT UNIVERSAL ORLANDO

Visual Studio Live! Workshops

■ VSM01 Build an Application in a Day on Windows 8 – Introductory / Intermediate
Philip Japikse
Monday, November 18   *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 device (or VM) and any version of Visual Studio 2012, and you will be writing code almost from the very start!

You will learn:
• How to build an application in Windows 8
• How to leverage navigation
• How to leverage views
• How to write a complete application

■ VSM02 Rich Data HTML Mobile and Browser Clients with Knockout, JQuery, Breeze, and Web API – Introductory / Intermediate
Brian Noyes
Monday, November 18   *8:00am - 5:00pm*

By the end of the day, you will know how to build out the vertical slices of your rich HTML client app from top to bottom.

You need to build an HTML client app either to package as a mobile app for multiple platforms or for use in a browser, and there is a lot of data presentation and manipulation involved. You want to make sure you end up with good, clean, maintainable, testable, and easy to client and server side code. This workshop will take you end-to-end, showing you how to put together a rich data driven HTML client interface using Knockout to separate the UI data manipulation, loading and saving from the presentation markup, using Breeze to do the heavy lifting on making the service calls for you, tracking changes on the entities, sending changes to the server side in batches, and more. Then you'll also see how to set up the server side using ASP.NET Web API to expose the services consumed by your client. By the end of the day, you will know how to build out the vertical slices of your app from top to bottom."

You will learn:
• How to do data binding in HTML client side applications with KnockoutJS
• How to simplify AJAX data access via services with Breeze
• How to tie together multiple technologies into a coherent vertical slice of functionality in an HTML application

■ VSM03 Workshop: End-to-End Service Orientation - Designing, Developing, & Implementing Using WCF and the Web API – Introductory / Intermediate
Miguel Castro
Monday, November 18   *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. I'll be adding in other technologies into the mix including dependency injection

and KnockoutJS. 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

■ VSF01 Workshop: NoSQL
Ted Neward
Friday, November 22   *8:00am - 5:00pm*

Good ol' SQL Server--it's been a great place for your grandpappy to store data, and for your pappy to store data, too.

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IT EVENTS WITH PERSPECTIVE

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

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AT UNIVERSAL ORLANDO

Visual Studio Live! Workshops, continued

But the data coming into applications and data centers isn't the same data as it was even just a few years ago, and trying to store it all into SQL Server is starting to run into problems.

In this workshop, we'll spend a day with a couple of the more popular NoSQL systems, learning how to integrate them into a .NET workflow: how to install, store and retrieve data, what the query mechanisms are like, and most importantly, when and where and why a development effort would think about using an alternative data storage system instead of good 'ol SQL Server.

You will learn:
• Principles behind "NoSQL" databases
• When a "NoSQL" system might be a better fit
• Get some practice working with a few "NoSQL" systems

■ VSF02 Workshop: Visual Studio ALM—To Infinity and Beyond
– Intermediate / Advanced
Brian Randell
Friday, November 22   *8:00am - 5:00pm*

In this workshop, Brian will show you the new features in Visual Studio 2013 and Team Foundation Server 2013 for teams. He'll first cover upgrade issues and discuss when Team Foundation Service might be right for you and your team. You'll learn about new version control features and understand if the new Git support is right for you. He'll cover the new project planning features and the new testing features. Finally, he'll wrap up discussing the devops features related to InRelease and System Center integration.

You will learn:
• What's new for teams in Visual Studio 2013
• What's new for teams in Team Foundation Server 2013
• How to pick which new features are right for you and your team

Session Descriptions by Track

AZURE / 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:

• Getting up to speed with Windows Azure

• Windows Azure Mobile Services

• Windows Azure and open source

• Programming in node.js

• Windows Azure Services for Windows 8

■ VST03 Overview and What's New in Windows Azure – Introductory
Eric D. Boyd
Tuesday, November 19   *9:30am – 10:45am*

Windows Azure is continually innovating, getting new features, enhanced functionality, reduced pricing and just constantly getting better. Join Windows Azure MVP, Eric D. Boyd for a walk through of what's new in Windows Azure, explore the latest Windows Azure features, and get answers to your Cloud Computing and Windows Azure questions.

You will learn:
• Understanding of the Windows Azure services and when to use each
• What's New in Windows Azure
• A lap around the Windows Azure services

■ VST07 IaaS in Windows Azure with Virtual Machines
Eric D. Boyd
Tuesday, November 19   *11:00am – 12:15pm*

Windows Azure is a great cloud platform for scalable, on-demand computing power. However, there are scenarios that are not supported by Windows Azure's Cloud Service web and worker roles. In this session, we will explore the traditional Windows Azure web and worker roles and walk through the common challenges encountered when using these. We will explore the architecture and internals of Windows Azure, and then explore Virtual Machines and the scenarios that are enabled with a statefull OS in the Cloud. We will walk through the lifecycle of installing, configuring and deploying a Virtual Machine to Windows Azure and we'll consider the tradeoffs and alternatives to using Virtual Machines vs. Cloud Services. Finally, we will take a look at what's new in Virtual Machines and how to get started.

You will learn:
• The limitations of traditional Web and Worker Roles in Windows Azure Cloud Services
• When you should use Windows Azure Virtual Machines
• How to install, configure and deploy Virtual Machines to Windows Azure

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■ VST11 Solving Security and Compliance Challenges with Hybrid Clouds
Eric D. Boyd
Tuesday, November 19   *2:00pm - 3:15pm*

When considering public clouds, many industries and companies have concerns about security, intellectual property and regulatory compliance challenges. The good news is a hybrid cloud can often solve these challenges. In this session, Eric D. Boyd will teach you how to use Windows Azure securely and protect sensitive information and achieve regulatory and compliance mandates, like PCI compliance, by combining on-premise data centers and private clouds with the Windows Azure public cloud. There are a number of ways to achieve this using messaging and

LIVE! 360
IT EVENTS WITH PERSPECTIVE

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

ORLANDO, FL | NOVEMBER 18-22, 2013
LOEWS ROYAL PACIFIC RESORT
AT UNIVERSAL ORLANDO

Session Descriptions by Track, continued

networking technologies and during this presentation Eric will walk through the options and provide you with guidance on when to choose each.

You will learn:
• How to use the Public Cloud while paying attention to security and compliance
• Hybrid Cloud scenarios and the technology that enables them
• How to analyze your scenario and choose and appropriate Hybrid technology

■ VST15 Cloud Connected Apps with Azure Mobile Services
– Introductory / Intermediate
Dave Isbitski
Tuesday, November 19   *4:15pm - 5:30pm*

As a Mobile App Developer, connecting back end services to your Apps has involved some heavy lifting. Microsoft's Azure Mobile Services provides a fast, free way for you to connect Structured Storage, add Identify and Authorization Services (like Twitter and Facebook) along with Push Notifications to your iOS, Android, Windows and Windows Phone apps. This session will cover how to get started and have a Cloud Connected app up and running within minutes.

You will learn:
• Great introduction to using Azure Mobile Services
• Real time demos starting from scratch, creating a new Azure Mobile Service, and then connecting iOS, Windows, Web and Android apps to that service!
• Overview of Node.js for back end server side

■ VSW03 Build the Next YouTube: Windows Azure Media Services
– Introductory / Intermediate
Sasha Goldshtein
Wednesday, November 20   *9:15am - 10:30am*

Windows Azure Media Services is a platform for uploading, managing, and delivering media content to a variety of

devices at a cloud scale. In this talk you'll learn how to manage media assets using the Azure Portal and the Media Services .NET SDK, how to encode and package media for progressive download and smooth streaming, and how to author clients on multiple platforms (iOS, Android, Windows, and OS X). Towards the end of the talk we'll also discuss developing an end-to-end solution for building the next YouTube using Windows Azure Media Services.

You will learn:
• Uploading and managing media content in the Windows Azure cloud
• Encoding media for delivery in advance or on-demand with dynamic packaging
• Delivering media to various devices using progressive download and adaptive streaming

■ VSW07 JavaScript, Meet Cloud: Node. js on Windows Azure – Intermediate
Sasha Goldshtein
Wednesday, November 20   *11:00am - 12:15pm*

Node.js is an incredibly popular framework for writing event-based server applications in JavaScript. With its hundreds of modules and vibrant ecosystem, it is quickly catching up to other server-based frameworks, and makes it extremely easy to deploy Web applications. The June 2012 refresh introduces Node.js support on Windows Azure, including Azure Web Sites, Cloud Services, and Virtual Machines. In this talk we'll build a Node.js application from scratch and deploy it to Windows Azure in a matter of seconds. We'll use Node, express, nstore, SQL Azure, MongoDB, and might even see a glimpse of integration with Windows Azure Mobile Services.

You will learn:
• Developing modern Node.js applications
• Using Windows Azure services from Node.js in the cloud and on-premises
• Deploying Node.js applications to Windows Azure

■ VSW11 Applied Windows Azure
– Intermediate
Vishwas Lele
Wednesday, November 20   *1:45pm - 3:00pm*

Windows Azure platform offers a rich set of building blocking that can greatly ease developers in designing LOB applications. In this session, we will look at several of these building blocks including: HDInsight, Mobile Services, Windows Azure Active Directory, HPC, Web Sites. For each building block, we will review the use cases, walk through the code, discuss design trade-offs and, of course, demonstrate the application functionality.

You will learn:
• About key building blocks offered by Windows Azure
• How you can leverage these building blocks in your Azure based LOB applications.

■ VSW15 Windows Azure in the Enterprise: Hybrid Scenarios
Vishwas Lele
Wednesday, November 20   *4:00pm - 5:15pm*

If you're like most organizations, you have your existing servers and IT infrastructure (either on-premises in your own datacenters or in 3rd party co-location facilities). You also have an IT staff to manage these assets. So as you think about using the public cloud, you're not thinking of it in a silo. Ideally you'd want to integrate the public cloud with existing IT, manage it no differently, and even have applications with parts running on and off-premises. This hybrid nature of Windows Azure deployments is the focus of this session. Specifically, we will discuss four hybrid scenarios and describe how you can bring Azure to your enterprise. These scenarios include:

• Store and backup your data to the cloud
• Setup dev/ test sandbox in the cloud
• Managing Azure and on-premises resources through a single pane of glass
• Setup SQL 12 Always On secondary in the cloud.

Session Descriptions by Track, continued

MOBILE DEVELOPMENT

Mobile clients are becoming a common way for users to interact 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:

• Sharing code between iOS, Android, Windows Phone, and Windows 8

• Creation of native mobile applications

• iOS development for .Net developers

■ VST09 A Lap Around Windows Phone 8 Development
– Introductory / Intermediate
David Isbitski
Tuesday, November 19   *2:00pm - 3:15pm*

With Windows Phone 8, Microsoft introduced a unified operating system strategy across both Phone and PCs. This session will cover some of the most loved new consumer capabilities and then dive into what's new for developers. We will build an app from scratch that takes advantage of Nokia's new Maps control, create some Camera Lenses and then show off some of the new Speech capabilities. This session will end with tips and tricks for getting your app noticed in the Windows Phone Store as well as data analysis from my own apps.

You will learn:
• Develop an understanding of the Windows Phone 8 Developer Platform
• Create a Windows Phone 8 app using the new developer tools and updated controls
• Learn tips and tricks for being successful in the Windows Phone Store as well as an overview of the Store's app data analysis (downloads, trial conversions, etc.)

■ VST13 Developing a Modern Mobile App Strategy – Introductory / Intermediate
Todd Anglin
Tuesday, November 19   *4:15pm - 5:30pm*

Mobile apps are important. There is little debate over that. But how you build, maintain, and deploy mobile apps remains the source of great debate for CIOs and developers alike. Unfortunately, there is no "one size fits all" mobile app strategy, so it is critical to understand how to choose the right technology for the right app. In this session, we will explore the four key approaches for building mobile apps, and establish a framework that will help you develop a mobile app strategy guaranteed to help you select the right technology for your next project.

You will learn:
• Learn about the four key approaches for building mobile apps: Native, Cross Compile, Hybrid, and Web
• Understand the pros and cons for each technology approach
• Gain best practice advice for developing an effective mobile app strategy

■ VSW10 Building Mobile Cross-Platform Apps with HTML5 & PhoneGap – Intermediate
Nick Landry
Wednesday, November 20   *1:45pm - 3:00pm*

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 design demos with HTML5 and JavaScript using popular frameworks, such as jQuery UI and jQuery Mobile, and we'll learn how to leverage PhoneGap to wrap our mobile web UI into a native smartphone or tablet app. Discover how PhoneGap exposes native device hardware like

cameras, sensors, GPS and more. We'll also discuss the pros and cons of PhoneGap-based 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:
• Basic principles of each mobile platform: iOS, Windows Phone, Android
• Mobile web design with HTML5 and jQuery
• To apply these principles to create compelling and engaging cross-platform mobile applications by wrapping HTML5 UIs with PhoneGap

■ VSW14 Connecting to Data from Windows Phone 8 – Intermediate / Advanced
Christopher Woodruff
Wednesday, November 20   *4:00pm - 5:15pm*

You know you have to have a great experience when you develop your Windows Phone 8 applications right? The greatest experience you can give your users is around their data. There are ways to improve your Windows Phone 8 application and Chris Woodruff will teach you how to get data quickly, save it with validation, save it locally and many, many more tricks. Come see why you should know the tricks of the trade before developing that killer Windows Phone 8 app. You will be a Data Experience expert when you leave the room after this session.

You will learn:
• The relationship between mobile users of your application and the Cloud with Windows Azure
• First-hand knowledge of designing and implementing a solution for mobility using the Cloud and the key benefits and takeaways for such a solution
• How to code and utilize the Windows Azure platform in your Windows Phone application for robust and stable mobile apps

Session Descriptions by Track, continued

■ VSH04 iOS Development Survival Guide for the .NET Guy
Nick Landry
Thursday, November 21   *8:00am - 9:15am*

You've been a .NET developer for the last 10 years. You love Visual Studio. You can spit out C# like a boy scout can tie a knot. But now your boss wants you to build an iPad app for the company. Or maybe you got a good deal on a Mac on eBay and you'll finally write that cool iPhone app that will top the other 600K in the iOS App Store. So where do you get started? What development environment do you use? How do you write apps in Objective C? What other tools & libraries can you use? This session is your survival guide to the world of iOS development as seen from the eyes of a .NET developer. We'll start from the basics and build our first iOS app, using analogies and comparisons from the familiar world of Visual Studio as our guide. We'll also discuss how to test & deploy our app, and hack our way through the Apple forest, learning to blend in and talk like a true native. If you've ever considered dipping your toes in the iWaters, this session is your chance to take your first dive.

You will learn:
• Basics of iOS development, Objective-C and Xcode
• Differences between .NET and iOS from a development point of view
• How to design & build simple applications for iPhone and iPad

■ VSH08 iOS Development Survival Guide for the .NET Guy, Part 2
Nick Landry
Thursday, November 21   *9:30am - 10:45am*

This sessions picks up where Part 1 left off, exploring deeper into the Xcode, Objective-C and the iOS SDK to build applications for the iPhone and iPad. Some of the principles covered in this second part include building more complex user interfaces, designing applications with multiple screens using Storyboards, using external components, and calling cloud services. We'll also explore the iOS application lifecycle, and how to debug your iOS applications within Xcode using either the iOS Simulator or actual devices. Just like Part 1 of this talk, all the teachings of this session are presented by drawing comparisons with the Microsoft .NET world to make it easier for C# developers to migrate their skills to the Apple world.

You will learn:
• More day-to-day principles of iOS development, Objective-C and Xcode, beyond the basics
• Differences between .NET and iOS from a development point of view
• How to design & build real-world applications for iPhone and iPad

■ VSH16 Sharing Up to 80% of Code Building Mobile Apps for iOS, Android, WP 8 and Windows 8 – Intermediate
Marcel deVries
Thursday, November 21   *1:30pm - 2:45pm*

Thinking of building a mobile application? But how can you make it available in today's diverse smart phone market? In order to have significant coverage of smart phones out there you at least need to support the IPhone/ IPad, Android and Windows Phone 7. In this session, Marcel will show you how you can create a mobile application for the primary platforms that dominate the market at this moment and in the future. He will show you how you can program for different platforms while sharing up to 80% of code across the different platforms. He will show you archi-tectural patterns and tips and tricks in C# to abstract device dependencies and increasing your shared codebase.

This session is for you if you want to know how you can leverage your existing investments in the .NET platform and C# language. During the session Marcel will show examples from some real life app builds that run on iOS, Android, WP7 & 8 and Windows 8.

This session will show the tools Visual Studio, Xamarin. Android and Xamarin.iOS (previously known as Mono for Android and Mono Touch for iOS) to create native apps for all these platforms using C#.

You will learn:
• How to build Native apps with C# on iOS, Android and Windows
• Coding patterns that help you reuse more code cross platforms
• How to apply a solution structure that enables better code sharing between projects

■ VSH20 Talk to Me. Using Speech in Your Windows Phone App – Introductory / Intermediate
Walt Ritscher
Thursday, November 21   *3:00pm - 4:15pm*

Microsoft has been working on speech recognition for decades. Their speech APIs are very good, but haven't seen much adoption in consumer applications. Recently however, Apple introduced Siri to the world and showed everyone that voice control makes for a nice hands-free experience. Learn how to add voice control to your Windows Phone app through the Speech API in this session.

You will learn:
• Adding custom vocabularies to the speech engine
• How to listen to the voice command and translate it to an app action
• How to talk back to the user with the synthesis engine

"WELL ORGANIZED, LOTS OF SESSIONS TO CHOOSE FROM AND A WONDERFUL LOCATION. MONEY WELL SPENT!"
- Rakesh R. Naidu, Software Developer, USAC

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Session Descriptions by Track, continued

DATA MANAGEMENT

There's a lot of ground to cover in the data management sphere. LINQ, OData and emerging NoSQL products are compelling technologies you can apply in your work today. The Data Management track at Visual Studio Live! Orlando focuses on all of these technologies so you can integrate them into your environment sensibly and pragmatically. This track includes coverage of the following:

• OData

• LINQ

• NoSQL databases

■ VSW04 NoSQL for the SQL Guy
– Introductory / Intermediate
Ted Neward
Wednesday, November 20   9:15am - 10:30am

Heard about this 'NoSQL' thing but aren't really sure what it means, and worse, you're getting conflicting answers? If you're a developer who's been spending all of his professional data storage days in the relational world, hearing about databases that are 'schemaless' and 'dynamic' and 'nonrelational' may seem like a step backwards, leaving you to wonder what the big deal is. In this talk, we'll go over a bunch of the different NoSQLs, why they're different from the RDBMS, and more importantly, what they're good for and why you should spend (a little) time learning how to use and develop to them.

■ VSW08 Gaining the Knowledge of the Open Data Protocol (OData)
– Introductory / Intermediate
Christopher Woodruff
Wednesday, November 20   11:00am - 12:15pm

The Open Data Protocol (OData) is an open protocol for sharing data. It provides a way to break down data silos and increase the shared value of data by creating an ecosystem in which data consumers can interoperate with data producers in a way that is far more powerful than currently possible, enabling more applications to make sense of a broader set of data. Every producer and consumer of data that participates in this ecosystem increases its overall value.

OData is consistent with the way the Web works – it makes a deep commitment to URIs for resource identification and commits to an HTTP-based, uniform interface for interacting with those resources (just like the Web). This commitment to core Web principles allows OData to enable a new level of data integration and interoperability across a broad range of clients, servers, services, and tools.

You will learn:
• In-depth knowledge to this protocol
• How to implement an OData service on Windows using the WCF Data Services and ASP.NET WebAPI products

■ VSW12 Seeking Life Beyond Relational: RavenDB – Introductory / Intermediate
Sasha Goldshtein
Wednesday, November 20   1:45pm - 3:00pm

The majority of today's systems are built on top of relational databases and architects fight to keep incoming requirements within the boundaries of an existing fixed schema. RavenDB is a document database that weds the approach of classic relational databases with flexible schemas more adapt to the modern applications. The session is designed to introduce relational developers to NoSQL and RavenDB in particular.

You will learn:
• Understand what NoSQL has to give
• Model objects to be saved through RavenDB
• Manage RavenDB data stores

VISUAL STUDIO / .NET FRAMEWORK

The Microsoft .NET 4.5 framework includes exciting new capabilities that apply to any type of .NET application. Visual Studio provides 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:

• ALM, Visual Studio tooling, TFS, and DevOps

• Asynchronous/parallel computing

• Modern .NET development practices and principles

• Static analysis of code in .NET

■ VST04 What's New in Visual Studio 2013 – Introductory / Intermediate
Brian Noyes
Tuesday, November 19   9:30am - 10:45am

In this session you will get a guided tour of the new features and improvements in Visual Studio 2013 for developing, debugging, and deploying applications and services. Visual Studio 2013 brings a ton of new enhancements for productivity, debugging, and developing applications and services using the latest technologies. In this session you will walk through those new features including new debugging enhancements, Windows Store app development, ASP.NET app development, Windows Azure enhancements, productivity features and more. For client development, you'll also see how Blend for Visual Studio adds a bunch of great improvements for building XAML or HTML Windows Store apps, as well as continuing to evolve for WPF and Silverlight development as well.

Session Descriptions by Track, continued

You will learn:
• How to leverage new debugging features to be more productive in developing and diagnosing problems in your code
• How to use new project types and tooling to get the right code in place in your Web and Windows application projects more quickly
• How to design and develop the user interface for Windows Store apps more quickly and effectively using a mix of Blend for Visual Studio and Visual Studio itself

■ VST08 What's New in the .NET 4.5 BCL – Intermediate
Jason Bock
Tuesday, November 19   *11:00am - 12:15pm*

With the release of the 4.5 version of the .NET Framework, there's a lot to take in. In this talk, we'll focus on the additions to the next version of the .NET Framework, such as asynchronous I/O, reflection, and exceptions. We'll also cover key breaking changes that may affect your current code base.

You will learn:
• An understanding of the new APIs available to .NET developers
• What's been changed in 4.5 that may affect current code
• To move effectively into the next version of .NET

■ VST12 How to Be a C# Ninja in 10 Easy Steps – Introductory / Intermediate
Benjamin Day
Tuesday, November 19   *2:00pm - 3:15pm*

Are you new to C# and want to get awesome? Are you pretty good at C# and want to raise your game? Do you think you're already awesome and just want to make sure? Worried about getting into a C# technical interview and Ben's on the other side of the table lobbing tough C# questions at you just waiting for that moment where you start to sweat and then eventually crack under the pressure and then you die homeless and alone all because this one interview went bad?

Then this is the talk for you.

In this session, Ben will go through 10+ important things to know about writing code in C# including what he asks for job interview questions and what he looks for during code reviews.

You will learn:
• If you're interviewing for a C# job, what do you need to know?
• The programming world is about to get a lot more asynchronous. How do you handle this with tasks, async, and await?
• To save yourself from major performance problems by managing the life

■ VST16 Software Testing with Visual Studio 2013 and Team Foundation Server 2013
Benjamin Day
Tuesday, November 19   *4:15pm - 5:30pm*

Visual Studio 2013 and Team Foundation Server 2013 both have a major focus on testing and quality. There are the unit testing features that help you find problems before you check in and help you validate automated builds. Then there are Web Tests and Load Tests that help you validate and stress your web applications. And there are also the features for performing QA tests – aka "manual testing" – on your applications. Not only do the manual test features allow you to track the work of a QA person and help your QA staff to record bugs but you can also record and automate tests against your Windows and browser-based applications. As if that wasn't enough, Team Foundation Server 2013 allows you to manage virtual machine configurations to help streamline and automate your testing activities.

If you are focused on software quality and testing, Visual Studio 2013, Team Foundation Server 2013, and Microsoft Test Manager can really help you out. In this session, Ben will show you the big picture view of how all these feature fit together and feed into each other in order to make your testing life easier.

■ VSH03 Making the Most of the TFS Service – Intermediate
Brian Randell
Thursday, November 21   *8:00am - 9:15am*

Do you have a distributed team? Are you looking for someone to take care of your team's source code repository and bug list so you don't have to do it? If so, you might want to come take a look at Team Foundation Service. Located at tfs.visualstudio.com, it brings together Microsoft Visual Studio, Team Foundation Server, and Windows Azure. In this session you'll get a crash course on how to get started. Brian will show you how to get started with the service, how to load up code, track your work and run builds. More importantly, he help you understands the pros and cons of moving to the cloud. He'll discuss how Team Foundation Service differs from Team Foundation Server and what that means to you and your team.

You will learn:
• What is Team Foundation Service
• What are Team Foundation Service's top features
• Should you move your team to Team Foundation Service

■ VSH07 Continuous Integration Builds and TFS – Intermediate / Advanced
Brian Randell
Thursday, November 21   *9:30am - 10:45am*

In this session, Brian will dig into the TFS Build feature in TFS 2010, TFS 2012, and forthcoming TFS 2013 release and talk about how modern, mature teams use continuous integration to deliver higher quality software. He'll show you the mechanics, talk about what's changes through the releases, and show how you can prepare for the part of your journey by moving to automated deployment and continuous delivery on your own or with tools like Microsoft InRelease.

You will learn:
• Why you should be doing continuous integration
• How to do continuous integration with TFS

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Session Descriptions by Track, continued

■ VSH11 IntelliTrace, What is it and How Can I Use it to My Benefit? – Intermediate
Marcel de Vries
Thursday, November 21　　　　*11:00am - 12:15pm*

Ever heard of a feature called IntelliTrace? Want to know what it is and how it works? This is the session for you. Based on a set of demos, I will show you how you can use IntelliTrace for not only your normal average debug session today, but also as postmortem when something went wrong with your application in a test environment or even when your Unit test turned red and you need to fix that problem. Come and see why this feature can be a game changer for you today and even more so when we look at the future where we can use it in a production environment!

You will learn:
• How IntelliTrace can help in a normal debug session
• How IntelliTrace can be used as postmortem debugger
• How IntelliTrace works under the hood, so you understand its capabilities

■ VSH13 Adventures in Unit Testing: TDD vs. TED – Introductory / Intermediate
Ben Hoelting
Thursday, November 21　　　　*1:30pm - 2:45pm*

I constantly find myself debating with developers over the benefits of Test Driven Development (TDD). I understand the basic principles of TDD. However, I have never found the right opportunity to implement it myself. I have always done Test Eventual Development (TED). Basically, I have coded away and written Unit Tests after the fact to test the most complex portions of the system. This session will document my adventures into implementing TDD and define the pros and cons of TDD vs. TED.

You will learn:
• The basic principles of Test Driven Development
• How to write good tests
• Why having even a few tests is better than nothing

■ VSH15 Modern .NET Development Practices and Principles – Intermediate
Jason Bock
Thursday, November 21　　　　*1:30pm - 2:45pm*

Terms, acronyms, and phrases like "loose coupling", "SOLID", "unit testing" are becoming prevalent in developer jargon. No matter what kind of applications you write, these techniques are essential to writing maintainable, resilient pieces of code. However, it's also quite common that many developers don't know what these concepts are, yet want to learn about them with clear, concise language. If you're a developer that wants to understand these ideas but haven't had the time to focus on them, this presentation is for you. We'll cover topics like dependency injection, mocking, and testing, just to name a few. At the end of this session, you'll have a foundational understanding of these ideas that you can use right away in your current (and hopefully future!) projects.

You will learn:
• Learn how to create effective coupling to dependencies
• Understand how to write and maintain unit tests
• See how mocking leads to clean unit tests

■ VSH17 Blend for Visual Studio: Design Your XAML or HTML5\CSS3 UI Faster – Introductory / Intermediate
Ben Hoelting
Thursday, November 21　　　　*3:00pm - 4:15pm*

Building the modern UIs that users demand can be tedious and difficult, whether they are built in XAML or HTML5\CSS3. Since the tooling provided for building these complex UIs is poor and unreliable, this forces developers/designers to hack the UI markup themselves. Blend for Visual Studio takes major strides to enable trusted UI design without the need to edit the markup manually. This talk will demonstrate the capabilities included in Blend for solving this problem.

You will learn:
• How Blend makes XAML UI Design Easier
• How Blend makes HTML5\CSS3 Design Easier
• How Blend interacts with the Visual Studio Development Environment

■ VSH18 Patterns and Tools for Parallel Programming – Intermediate
Marcel de Vries
Thursday, November 21　　　　*3:00pm - 4:15pm*

See the concepts of parallel and asynchronous programming and how to apply them in code.

After more than 40 years Moore's law is still going strong, and it looks like it will continue to do so for at least ten more years. The free performance lunch is over, unless we change the way we think and program our applications.

Register at vslive.com/orlando

Session Descriptions by Track, continued

Luckily, Microsoft realized that already, and with Visual Studio 2010 they introduced new technologies like Task Parallel Library, and Parallel LINQ to help us transition into the world of multi-core programming. With Visual Studio 2012 and .NET 4.5 they introduced another paradigm: support for asynchronous programming. In this session I will show you the concepts of parallel and asynchronous programming and how to apply them in code. I will also show you how to practically use the Visual Studio tools to analyze concurrency behavior in your app and by making small changes in the way you program, get impressive performance gains. Come to this session to see how you can use these new technologies and tools for your programs.

You will learn:
• Patterns in the Parallel computing space
• Task Parallel Library
• PLINQ
• Async and Await
• Visual Studio concurrency analyzer tools to inspect the behavior of your program

■ VSH19 Static Analysis in .NET
– Intermediate
Jason Bock
Thursday, November 21   3:00pm - 4:15pm

We all want to have someone else review our code to make sure it's written well. Wouldn't it be even better if we can have that review process done automatically? In this session, you'll see how you can use static analysis tools (like Code Analysis/FxCop) to find all kinds of implementation issues before they show up in a release. You'll also find out how to manage rule sets in Visual Studio, and find out how you can create your own custom rules.

You will learn:
• The benefits in using static analysis
• To use the results of static analysis effectively to improve their code
• How custom rules can be created to reflect their own best practices

WEB AND JAVASCRIPT DEVELOPMENT

More and more people are turning to the Web, HTML 5, and JavaScript to accommodate the requirements for cross-platform and cross-device applications. Many of the most interesting and engaging technical enhancements to Microsoft's tools have focused on the web and JavaScript programming space, including ASP.NET MVC, updates to Web Forms, exciting new tooling for JavaScript development, and investments in JavaScript libraries such as jQuery, jQuery Mobile and Breeze.js.

What we're seeing is an evolution where server-side web technologies continue to improve, and at the same time JavaScript and HTML 5 are becoming viable smart client development technologies that operate independently from traditional web-based concepts. This is a great time to jump into the JavaScript programming world, or to update your knowledge of web development based on the latest tools and capabilities. In this track we have great content covering topics such as:

• ASP.NET Web Forms and MVC

• jQuery, jQueryMobile and Breeze.js

• HTML 5

■ VST02 Patterns for JavaScript
– Intermediate
John Papa
Tuesday, November 19   9:30am - 10:45am

JavaScript gets a bad rap sometimes for easily confused global variables, script files that are thousands of lines long, and mixing html with script code. But it doesn't have to be

that way. This session will demonstrate common techniques to separate structure (HTML), behavior (JavaScript) and presentation (CSS) with modern Web development. I'll offer a few tips to make your JavaScript more maintainable, manage namespacing, and demonstrate how to implement various JavaScript patterns.

You will learn:
• Learn the benefits of patterns
• Build more maintainable and scalable JavaScript
• Learn how to apply SOLID principles to JavaScript

■ VST06 - Jump-Start for Building Single Page Apps – Intermediate
John Papa
Tuesday, November 19   11:00am - 12:15pm

HTML5 Single Page Apps (SPAs) focus on delivering better user experiences with significant client-side interactions using JavaScript, HTML5 and CSS. Now you can get started with SPA using the ASP.NET SPA Template. This workshop explores the core pieces that help you build end-to-end SPA solutions including data binding, abstracted remote data calls, app life cycle, page navigation and routing, and rich data features. Along the way, we'll also touch on popular libraries such as Knockout, Durandal, and Breeze.

You will learn:
• SPA fundamentals
• Data binding with Knockout.js
• Using rich data with Breeze.js
• Navigating and App LifeCycle with Durandal.js

"THE WAY THE TRACKS WERE ORGANIZED MADE IT EASY TO CHOOSE WHAT SESSIONS TO ATTEND."

- Jaime Monreal, Webmaster, Las Vegas Harley-Davidson

Session Descriptions by Track, continued

◼ VST10 WCF & Web API: Can We All Just Get Along?!? – Intermediate
Miguel Castro
Tuesday, November 19   *2:00pm - 3:15pm*

By now I'm sure you've been told by many peers that you shouldn't be using WCF anymore in favor of the Web API, or that WCF is dead or some other dumb piece of advice. I can assure you that rumors of such a demise have been greatly exaggerated. So let's set the record straight, folks. These two technologies have a different purpose, and while there is some overlap, each has its strengths and its weaknesses. Each has its place and most service-oriented systems benefit from having both involved. In this session, I'll give you a full comparison of those strengths and weaknesses which each technology carries, and how to make them work side-by-side in your SO-applications. Maybe together, we can stop all this hate.

◼ VST14 Building Rich Data HTML Client Apps with Breeze.js – Intermediate
Brian Noyes
Tuesday, November 19   *4:15pm - 5:30pm*

Learn how Breeze simplifies data access and management via services in HTML/JS client apps.

BreezeJS is a Javascript library that lets you easily retrieve and update data via RESTful and OData services. In this session you will learn how Breeze can help you with your data-bound HTML UIs to load and save data, cache it on the client side, track changes to that data and send updates to the server in batches or individually. You will see how to combine Breeze with the KnockoutJS library for the data binding, as well as see what the services you need to have on the back end look like.

You will learn:
• Capabilities of Breeze and where it fits into your HTML application architecture
• How to make CRUD service calls with Breeze
• How to leverage the change tracking and batch updating of data from the client side in an HTML application with Breeze

◼ VSW02 Slice Development Time with ASP.NET MVC, Visual Studio, and Razor
Philip Japikse
Wednesday, November 20   *9:15am - 10:30am*

ASP.NET MVC3 introduced the Razor View Engine and a host of productivity improvements. MVC4 brought additional changes. I 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:
• Benefits of Razor
• Benefits of Razor templates
• To create a custom test project
• To create custom views
• To create custom scaffolding

◼ VSW06 Doing More with LESS for CSS – Introductory / Intermediate
Todd Anglin
Wednesday, November 20   *11:00am - 12:15pm*

As CSS3 adds support for rich styling in standards-based web applications, style sheet markup can quickly get out of control! Many CSS effects today require repetitive rules to cover the proprietary browser CSS prefixes. LESS for CSS is an open source framework that makes modern CSS more manageable. With support for variables, mix-ins, nested CSS rules, and operations, LESS finally makes complex CSS easy to maintain. In this session, you will discover how LESS can be easily adopted in any project and learn about tools that make it easy to work with and compile LESS files.

You will learn:
• The power CSS pre-processors offer for maintaining modern CSS
• The basics of the LESS language
• Practical, demo-driven insight in to using LESS in real world projects

◼ VSH02 Create Data Driven Web Sites with WebMatrix 3 and ASP.NET Web Pages – Introductory
Rachel Appel
Thursday, November 21   *8:00am - 9:15am*

WebMatrix is a free tool that features a complete stack (web server, database, programming) for web development. It's lightweight, installs quickly, and has been designed to make things easy. In this presentation, you'll learn how to do the basics to get a web application up and running using WebMatrix and the Web Platform Installer, from start to deployment. We'll create a custom web app using HTML5, JavaScript and ASP.NET Web Pages.

You will learn:
• How to build data driven web sites in ASP.NET Web Pages
• How to use WebMatrix 3 as an editor for web development
• New ASP.NET technologies

◼ VSH06 Building Real-Time, Multi-User Interactive Web and Mobile Applications Using SignalR – Intermediate
Marcel de Vries
Thursday, November 21   *9:30am - 10:45am*

Ever wanted to build a web application that can show real time events as they are happening? Ever wanted to share

"GOOD MIX BETWEEN 'WHAT'S COMING' AND 'WHAT YOU CAN DO NOW'. "

- *Omar Ornealas, Technical Consultant, Summa Technologies*

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Session Descriptions by Track, continued

real time events between multiple browser windows? Want to have a technology that can be used in both web and mobile apps? Then SignalR might be what you are looking for! This new open source technology will abstract away all complexities involved on making real time events happen in your application. SignalR technology enables you to distribute real time events across multiple versions of browsers and provides you with a programming framework that is accessible from all common platforms. Do you want to send a message from your phone to a web browser client or vice versa? It's all possible with SignalR. In this session I will show you what SignalR is and in a set of Step by Step demos I will show you how the framework can be applied from different platforms like iOS, Android and Windows (Phone) 8 apps, Web browser clients (all common browsers) and server processes.

You will learn:
• What SignalR technology can bring
• Understand SignalR architecture and technologies
• How to use SignalR in a web based scenario
• How to use SignalR from C# in applications or services
• How to use SignalR in a cross platform environment like Xamarin.iOS and Xamarin.Android (previously known as Mono touch and Mono for Android)

■ **VSH10 Build Data-Driven Mobile Web Apps with ASPNET MVC and jQuery Mobile** – Introductory
Rachel Appel
Thursday, November 21   11:00am - 12:15pm

If you are creating new apps, or need to update your existing apps, jQuery Mobile is the way to most easily develop solutions that meet the needs of the ever increasing audience of the mobile market. jQuery Mobile provides a lightweight, cross platform, framework, for developing mobile web sites and applications. In this session you will learn what you need to get started writing data-driven mobile web applications in Visual Studio with ASP.NET MVC, as well as how to integrate jQuery Mobile into current ASP.NET applications.

You will learn:
• How to perform CRUD operations in ASP.NET MVC
• How to mobilize your MVC app with jQuery Mobile
• Understanding the mobilization of the web

■ **VSH14 Maximizing Entity Framework 6 in Your Web Projects**
Adam Tuliper
Thursday, November 21   1:30pm - 2:45pm

There have been many great enhancements to Entity Framework v6 including Code-First stored procedure support, async support, and multiple contexts per database. In addition, there are many good small code snippets for using Entity Framework on the net, however, samples don't give you the understanding or best practices for integrating Entity Framework into the full scope of a web application. As you start researching or using Entity Framework you may have asked yourself questions such as:

• When do I use Entities vs. View Models?
• How do I unit test with the Entity Framework?
• What data access patterns should I use?
• How can I inspect my Entity Framework queries?
• How do I integrate validation between entities and my web pages?
• Can I use dependency injection with the Entity Framework?

Let this session be your guide to best practices with Entity Framework to help create awesome web applications with powerful data support.

You will learn:
• How to integrate Entity Framework into ASP.NET Web Forms/MVC and Web API applications
• Best practices for using Entity Framework in a web environment
• Understand architectural options in implementing Entity Framework into ASP.NET applications

WINDOWS 8.1 / WINRT
With this summer's release of Windows 8.1, adoption of the Windows Runtime (WinRT) is well underway. Are you ready to build apps for this new platform? Modern Windows Store apps take advantage of key Windows 8.1 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:

• What's new in Windows 8.1 for Developers

• XAML UX design

• Migrating apps from WPF to WinRT

■ **VST01 What's New in Windows 8.1 for Developers**
Brian Peek
Tuesday, November 19   9:30am - 10:45am

Windows 8.1 contains thousands of new APIs which can make your application even better. In this session, you will get an overview of what's new to developers in Windows 8.1, and how to use these features to make your apps even better. From new XAML controls to PDF support to text-to-speech, you won't want to miss this session if you're a Windows 8 developer!

Session Descriptions by Track, continued

■ VST05 Controlling Hardware using Windows 8.1
Brian Peek
Tuesday, November 19 *11:00am - 12:15pm*

Windows 8.1 allows developers to communicate with a variety of devices through several interfaces. In this session, we will look at how to talk to hardware connected via USB and Bluetooth, as well as some of the new APIs which allow Windows 8.1 to talk to Point of Sale (POS) devices, scanners, and even 3D printers using real examples with real hardware!

■ VSW01 What's New in WPF 4.5?
Walt Ritscher
Wednesday, November 20 *9:15am - 10:30am*

WPF is the go-to UI tool for building stunning, interactive Windows desktop application. Sure, HTML 5 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 many of these improved features.

You will learn:
• New binding improvements and Live Shaping of list data
• How to use the new Async APIs and learn the threading improvements
• New controls including a XAML Ribbon control

■ VSW05 Learning UX Design Principles Through Windows 8 Apps
– Introductory / Intermediate
Billy Hollis
Wednesday, November 20 *11:00am - 12:15pm*

As a modern app platform, Windows 8 raises the bar on the need for compelling and intuitive designs. However, the principles to create such apps are not new. Most of them are just a consequence of the way our brains, eyes, and

bodies work. Previous UI stacks didn't give enough scope to worry about that, but now even developers are expected to know the basics of creating better user experiences. Come get your introduction to the most fundamental and useful design principles. For each principles, you'll see the conceptual explanation plus an illustrative example taken from Windows 8 apps. Even if you aren't producing Windows 8 apps yet, this session will give you useful ideas for your current application platform.

You will learn:
• Discover terminology and concepts for the most useful design principles
• See examples of each design principles, using apps from Windows 8
• Learn general design concepts that can also be applied to your current UI platform

■ VSW09 Building Windows Store Business Apps with Prism – Intermediate
Brian Noyes
Wednesday, November 20 *1:45pm - 3:00pm*

In this session you will learn how to build loosely coupled, maintainable, and testable Windows Store apps leveraging the Prism for Windows Runtime guidance.

When you build a business application, you have a different set of concerns that go beyond quickly throwing together an application and getting it to the marketplace. You need to think more about how to build the application in a way that is maintainable, testable, and easy to evolve over time to suit the business needs. Microsoft Patterns & Practices has put together guidance on how to do this, called Prism for Windows Runtime. In this session, learn directly from one of the P&P team members how to leverage that guidance for building your own business applications. Learn how to integrate the MVVM pattern with platform features including navigation, application lifecycle state management (suspend/terminate/resume), validation, contracts and more.

You will learn:
• How to use Prism to structure an application with the MVVM pattern
• How to command and participate in navigation and application state management from your ViewModels
• How to validate input from users in your Windows Store apps even though WinRT does not include validation features

■ VSW13 Migrating from WPF to WinRT
– Intermediate
Rockford Lhotka
Wednesday, November 20 *4:00pm - 5:15pm*

In this session you will learn how to migrate WPF apps to WinRT.

Many Windows applications today are written in WPF and this trend will continue for the next several years. At the same time we know that Microsoft is putting all their energies toward the new Windows Runtime (WinRT) development platform. In this session you will learn how to migrate WPF apps to WinRT. As a result you will also learn what you can to today as you create WPF apps to best prepare for the WinRT future.

You will learn:
• The similarities and differences between WPF and WinRT
• Technologies best avoided to ease migration to WinRT
• Techniques that make WinRT migration easier

"THE PRESENTATIONS WERE CUTTING EDGE – I REALLY LIKED THE INSIDER TIPS!"

- John Kilic, Web Application Developer, Grand Canyon University

Session Descriptions by Track, continued

■ VSH01 Windows 8 HTML/JS Apps for the ASP.NET Developer – Introductory
Adam Tuliper
Thursday, November 21   8:00am - 9:15am

As ASP.NET developers we've harnessed the power of HTML, JavaScript, libraries, controls, C#/VB.NET, and more to develop some of the finest applications. Armed with your existing HTML/JavaScript/CSS knowledge, know that your languages are first-class citizens in the Windows 8 world. This talk leads you through the similarities and differences between the platforms, controls, data binding, navigation, and more all to get you up and running quickly to develop your Windows 8 applications. Love your current language too? No problem, we'll cover how to include other managed code in an HTML/JS application as well. We'll talk about other framework integration too such as jQuery and Knockout. Wondering if the time is right for you to develop a Windows 8 app? Windows 8 currently has a reach of over 120 million installations - each with access to the Store application that is installed by default so let's get started now!

You will learn:
• How Windows Store HTML/JS applications are structured
• When and how to use your existing assets in Windows Store projects
• The basics of what WinJS is and when to use it for your code

■ VSH05 Interaction and Navigation Patterns in Windows 8 Apps – Intermediate
Billy Hollis
Thursday, November 21   9:30am - 10:45am

Windows 8 isn't just about master-detail in rectangular arrays. You can use its power to implement new and useful interaction patterns, such as viewports, timelines, dashboards, and queues. Even traditional patterns such as master-detail drill-down, wizards, and trees gain new capabilities. This session will summarize important and useful interaction patterns often used in Windows 8, show some real-world examples, and suggest common use cases for each pattern. Several of

the major patterns will receive a full demo implementation for you to use out as a starting point. You'll walk out with a lot of new options for designing your own modern user experience, and some strategies for transforming your current applications to make them more productive and compelling.

You will learn
• Get a checklist of navigation patterns to consider when you are designing your own Windows 8 application
• Learn when to use certain patterns, and when not to
• See starter implementations of several of the navigation patterns

■ VSH09 Enhancing the Windows 8 Start Screen with Tiles, Toast and Notifications – Introductory / Intermediate
Walt Ritscher
Thursday, November 21   11:00am - 12:15pm

Look at the start screen on any Windows 8 desktop. Notice how some tiles are vibrant and alive, showing an updated information stream to the user without the need to open the affiliated application. Windows Store Apps communicate information to the user via live tiles, secondary tiles, toasts, badges and notifications. In this session you'll learn how to change the images and text shown in the main tile. Discover how to create secondary tiles, that provide drill-down access into the heart of your Windows Store application. Also on the agenda, a look at the Windows Toast API, the only approved way to send notifications to your users while your application is not running.

You will learn:
• How to create active and engaging tiles and secondary tiles
• How so send messages via the Toast API
• How to add badges to live tiles
• How to send periodic notification
• Tile improvements in Windows 8.1

Conference Speakers

ADVISORY BOARD

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.

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*.

"GET TIPS, TRICKS, AND BEST PRACTICES FROM INDUSTRY PROFESSIONALS ON A WIDE RANGE OF TOPICS."

- Cameron Chisholm, Systems Teach Team Lead, Digi-Key Corporation

Andrew J. Brust
Founder & CEO, Blue Badge Insights

Andrew J. Brust is Founder and CEO of Blue Badge Insights and writes a blog for ZDNet called "Big on Data". (http://www.zdnet.com/blog/big-data). Blue Badge Insights provides strategy and advisory services to Microsoft customers and partners. The company derives from Andrew's background in application software development dating back to 1985, and his industry expertise in Microsoft technologies like .NET, SQL Server and Analysis Services. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; serves as Microsoft Regional Director and MVP; is conference co-chair of Visual Studio Live!; and writes *Visual Studio Magazine*'s "Redmond Review" column.

Rockford Lhotka
CTO, Magenic

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

Michael Domingo
Editor in Chief, Virtualization Review

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

SPEAKERS

Adam Tuliper – *Technical Evangelist, Microsoft*

Adam works as a Technical Evangelist for Microsoft. Prior to that he worked as a software architect in defense, finance, pharma, manufacturing, technology, and public sector fields over a span of 18 years. He started his work in security and reverse engineering (x86 based - pre .NET) with the direction of going into the software protection and anti-piracy field. This gave him a foundation for learning the internals of other technologies from Win32 systems to CLR systems. Adam has performed security audits and penetration tests for large corporations and small companies alike. He has been deeply involved in .NET internals since early beta and currently works extensively in Windows 8, Azure, WCF, ASP.Net, SQL Server, MVC, and various open source technologies. He presents nationwide at conferences and user groups and is a pluralsight.com author and an MSDN Magazine author. Read up on his current topics at adamtuliper.com.

Ben Hoelting – *Software Architect, Aspenware*

Ben Hoelting: Software Architect for Aspenware and C# MVP. 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, CO. His most recent projects include a Silverlight 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.

Conference Speakers, continued

Benjamin Day – *Architect / Trainer / Coach*

Benjamin Day is a consultant and trainer specializing in software development best practices using Microsoft's development tools with an emphasis on Silverlight, Team Foundation Server, Windows Azure, and Scrum. He is a Microsoft Visual Studio ALM MVP, a certified Scrum trainer via Scrum.org, and a speaker at conferences such as TechEd and VSLive. When not developing software, Ben likes to hang out with his wife and cats, play jazz piano, and geek out on all things food. He can be contacted via benday.com and blog.benday.com.

Billy Hollis – *Next Version Systems*

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

Brian Noyes – *CTO and Architect, 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, VSLive!, DevTeach and others. Brian got started programming as a hobby while flying F-14 Tomcats in the U.S. Navy, later turning his passion for software into his current career. You can follow Brian through his blog at http://briannoyes.net and Twitter @briannoyes.

Brian Peek – *Senior Technical Evangelist, Microsoft*

Brian Peek is a 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 http://www.brianpeek.com/ .

Brian Randell – *Senior Consultant, MCW Technologies*

Brian A. Randell is a senior consultant with MCW Technologies, LLC. For over 20 years, Brian has been building software solutions and educating his fellow developers. Brian spends his time teaching Microsoft technologies to developers, working with new and emerging technologies like Visual Studio 2010, Team Foundation Server 2010, SQL Server 2008 R2, and SharePoint 2010, and consulting worldwide for Fortune 500 companies like Microsoft, state and local governments, and small businesses. Brian enjoys helping people get the most out of their software. He does this through training for MCW Technologies and speaking at events such as VSLive!, Tech•Ed, and the PDC. In addition, Brian shares through the written word. Brian currently writes the Team System column for MSDN Magazine.

Christopher Woodruff – *Senior Trainer, Telerik, Inc.*

Chris Woodruff (or Woody as he is commonly known as) has a degree in Computer Science from Michigan State University's College of Engineering. Woody has been developing and architecting software solutions for almost 15 years and has worked in many different platforms and tools. He is a community leader, helping such events as Day of .NET Ann Arbor and West Michigan Day of .NET. He was also instrumental in bringing the popular Give Camp event to Western Michigan where technology professionals lend their time and development expertise to assist local non-profits. As a speaker and podcaster, Woody has spoken and discussed a variety of topics, including database design and open source. He is a Microsoft MVP in Data Platform Development. Woody is the co-host of the popular podcast "Deep Fried Bytes" and blogs at www.chriswoodruff.com. He has been the President of the West Michigan .NET User Group and also was a co-founder of the software architecture online portal nPlus1.org.

David Isbitski – *Sr. Developer Evangelist, Microsoft*

Dave Isbitski is a Sr. Developer Evangelist with Microsoft covering Windows, Windows Phone and Xbox. He enjoys talking about technology and has taught full-day courses on numerous Microsoft topics as well as being a presenter at VSLive!,ReMix, XAMLFest, CodeCamps and other community events. Dave can be found on Twitter at @TheDaveDev and his blog http://CoolStuffWith.Net.

Eric D. Boyd – *Founder and CEO, responsiveX*

Eric D. Boyd is the Founder and CEO of responsiveX (www.responsiveX.com) and a Windows Azure MVP. Eric began his technology career by starting a web development firm in the 90's and has served in multiple roles since including developer, consultant, business owner and technology executive. Today, he helps companies create great web, mobile and client experiences, often powered by cloud services. You can find Eric blogging at http://www.EricDBoyd.com and on Twitter at http://twitter.com/EricDBoyd.

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Conference Speakers, continued

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.

John Papa

John Papa, a former Sr Technical Evangelist for Microsoft on the Silverlight and Windows 8 teams, is the author of 100+ articles and 10 books on various technologies. He has been found speaking around the world at keynotes and session for industry conferences such as Build, MIX, PDC, TechEd, VSLive and DevConnections, and while at Microsoft he was the host of the popular show Silverlight TV on Channel 9. He currently enjoys writing his columns Papa's Perspective for VS Magazine and Client Insights for MSDN Magazine. You can always find John at johnpapa.net or on twitter at@john_papa.

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 life 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, SDC, MCT Summit and is besides his work as an IT Architect consultant at large bank and insurance companies 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.

Miguel Castro – *Architect, IDesign*

Miguel Castro is an architect with IDesign with over 22 years of experience in the software industry. He's a Microsoft MVP, member of the INETA Speakers Bureau, and ASP Insider. With a Microsoft background that goes all the way back to VB 1.0 (and QuickBasic in fact), Miguel has spoken at numerous user groups, code camps, and conferences throughout the US and overseas. He has also been featured on the technology talk shows, .NET Rocks, .NET Rocks-TV, Microsoft's ARCast (Architecture Podcast), and The Polymorphic Podcast on numerous occasions. He specializes in architecture and development consulting and training using Microsoft technologies. Miguel is also a regular author with CoDe Magazine.

Nick Landry – *Senior Product Manager, Infragistics*

Nick Landry (@ActiveNick) is a Senior Product Manager for Infragistics, the world leader in user interface development tools that empower developers to build and style immersive user experiences and rich data visualization in line of business applications across all .NET platforms, the Web and mobile devices (www.infragistics. com). Nick is at the helm of Infragistics' mobile, data visualization and geospatial developer tools across multiple technologies and platforms. He previously spent a total of 16 years of 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 TechEd, VSLive, DevConnections, and others, and is a 9-year Microsoft MVP awarded on Windows Phone Development. With over 20 years of professional experience, Nick is a developer and software architect by trade and specializes in cross-platform Enterprise Mobility, Location Intelligence & Geospatial development, Data Visualization, Touch Computing, Cloud Computing and Mobile Game Development. He wrote multiple technical magazine articles, published white papers, wrote several mobility courses, has been a technical editor for IT books, and holds several professional certifications. Blog: www.ActiveNick.net – LinkedIn: www.linkedin.com/in/activenick

Philip Japikse – *Senior Developer Evangelist, Telerik*

An international speaker, Microsoft MVP, MCSD, CSM, and CSP, and a passionate member of the developer community, Phil Japikse has been working with .Net since the first betas, developing software for over 20 years, and heavily involved in the agile community since 2005. Phil works as a Developer Evangelist for Telerik's RadControls for Windows 8 as well as the Just family of products (JustCode, JustMock, JustTrace, and JustDecompile), and serves as the Lead Director for the Cincinnati .Net User's Group and the Cincinnati Software Architect Group. Phil founded Agile Conferences, Inc., a non-profit dedicated to advancing agile in all aspects of software development. Phil also serves as Cub Scout Committee Chair for his sons' Cub Scout Pack, volunteers for the National Ski Patrol, and is a recently retired Firefighter/ Paramedic. You can follow Phil on twitter via www.twitter. com/skimedic and read his blog at www.skimedic.com/blog.

"I ENJOYED THE TECHNICAL CONVERSATIONS AND THE GENUINE INTEREST PEOPLE HAVE TO LISTEN AND OFFER ADVICE."
- Matthew Hubbell, Lead Developer, Diebold, Inc.

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Conference Speakers, continued

Rachel Appel – *Developer Evangelist, Microsoft*

Rachel works as a developer evangelist for Microsoft based in the NYC Metro area. Previous to joining Microsoft, Rachel has worked with a variety of languages, technologies and systems. She has developed software products of all sizes, from small desktop programs to large scale enterprise applications at some of the world's leading companies. Rachel's expertise lies within developing solutions that align business and technology using the Microsoft .NET family of products, particularly ASP.NET & SQL Server. She is also a recognized speaker who can be found giving talks at national conferences such as DevConnections, MIX, CodeStock and others. Rachel is also an alumni of the Microsoft MVP award program and INETA Speakers Bureau.

Rockford Lhotka – *CTO, Magenic*

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

Sasha Goldshtein – *CTO, SELA Group*

Sasha Goldshtein is the CTO of SELA Group, a Microsoft C# MVP, and an international consultant and trainer. Sasha is the author of "Introducing Windows 7 for Developers" (Microsoft Press, 2009) and "Pro .NET Performance" (Apress, 2012), a prolific blogger, and author of numerous training courses including Parallel Programming, Windows Internals, .NET Debugging, and .NET Performance. His consulting work revolves mainly around distributed architecture and high-performance systems.

Ted Neward – *Architectural Consultant, Neudesic*

Ted Neward is a programming language, virtual machine, and enterprise-scale system architect. He has written a dozen books and hundreds of articles on .NET, Java, enterprise systems, and programming languages. He resides in the Pacific Northwest. He can be found on the Internet at http://www.tedneward.com, particularly his weblog at http://blogs.tedneward.com.

Todd Anglin – *Chief Evangelist, Telerik*

Todd Anglin is Chief Evangelist for Telerik, a leading provider of development tools and UI components for .NET. Before joining Telerik, he worked for a large Fortune 200 financial services company where he learned the way of the "Enterprise" – big budgets, big projects, legacy systems, and incessant measurement. He now leverages this Enterprise experience to help Telerik make components that make the lives of all developers as easy as possible. Todd is an active author and speaker in the .NET community, focusing on web development technologies, a Microsoft MVP, founder and President of the North Houston .NET Users Group, and an O'Reilly author.

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.

Walt Ritscher – *Consultant / Trainer*

Walt Ritscher has trained thousands of corporate developers during the last fourteen years. An active speaker, his teaching schedule has taken him throughout the world providing developer training at corporations, universities, and software conferences. He has collaborated on several books and videos published for the developer market including early adopter .Net courses at Microsoft Press. Walt is currently consulting and teaching .NET, Silverlight and WPF classes for Wintellect. Walt's industry expertise has placed him on various national technology advisory boards. He is also deeply involved in the local developer community — founding the .NET Developers Association in Redmond, WA. Walt has accumulated plenty of experience as a developer —is currently a Microsoft MVP, and a member of the Silverlight Insiders and WPF Disciples. As a web programmer he has worked numerous projects including; EPA sites and the Microsoft Community Starter Kit.

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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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Confio Software is the leader in database DevOps performance solutions for DBAs, developers, and IT managers to accelerate application delivery, speed problem resolution, and reduce cost of IT operations. Confio's flagship product, Confio Ignite™ improves software development and service delivery for systems based on Microsoft SQL Server, Oracle, IBM DB2 and SAP Sybase databases, running on VMware virtual servers as well as physical servers. Confio has earned recognition on the Inc. 500/5000 and Deloitte Technology Fast 500 lists. **www.confio.com**

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Fujitsu Computer Products of America, Inc. (FCPA) is an established leader in the Document Imaging industry, delivering innovative scanning solutions and services that enable our customers to solve critical business productivity issues and streamline operations. Fujitsu provides cutting-edge document capture solutions for business and personal environments, backed by a comprehensive portfolio of service and support programs in the workgroup, departmental, and production-level scanner categories.

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With a rich history of over twenty years, LEAD 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**.

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EXHIBITORS, continued

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Pluralsight is a global leader in high-quality online training for hardcore developers. The revolutionary Pluralsight training library provides developers every-where with instant access to a rich collection of online training courses delivered by world-renowned industry authorities. Pluralsight provides flexible and cost-effective subscription plans for individuals and businesses starting from as little as $29 a month. See what you can learn at **pluralsight.com** and join the **@pluralsight** community on Twitter.

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For those who code.

With more than 9.6 million registered members (and growing!), CodeProject is one of the world's largest independent developer communities. Find what you're looking for in more than 36,000 top-quality program-ming articles and tutorials — with hundreds of new articles each month — plus code snippets, discussions, news and the best bunch of developers on the net. Developers from all over the world come together to share source code, tutorials and knowledge for free — to help their fellow devs. **www.codeproject.com**

CodeProject is the official Live! 360 2013 Wi-Fi Sponsor.

SharePoint community

The SharePoint-Community.Net is an on-line community where professionals that live and breathe SharePoint hang out together. We have all of the features of modern social networks such as Facebook, Twitter and LinkedIn, but are concentrated solely on SharePoint. If you want to chat with others, see what's happening via your SharePoint activity feed, we'd love to have you! We also give you your own blog as well as running plenty of exciting competitions to make learning and contributing about SharePoint ... FUN! **http://sharepoint-community.net**

ALLIANCE MEDIA PARTNER

The Windows Developer User Group
Columbus OH

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! Find us @ **http://thewindowsdeveloperusergroup.com** or **@windowsdevug**.

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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. **www.boogar.com**

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Venue Information

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

Hotel Information

The Royal Pacific Resort at Universal Orlando provides comfort and relaxation in an ideal location. Situated just a short water taxi ride away from thrilling Universal CityWalk and the Universal Theme Park, 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 the Royal Pacific Resort if you register by Tuesday, October 22, 2013.

Special attendee rate: $155
Booked by: October 22, 2013

Make your hotel reservation online, or by calling Reservations at 866.360.7395 and ask for the Live! 360 Room Block.

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

Rooms at the Royal Pacific Resort in the Live! 360 Room Block also include the following:
• Complimentary in-room internet connectivity
• Complimentary use of the Health Club

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 the Royal Pacific Resort at Universal Orlando will be reserved for you.

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Venue Information, continued

Travel

Air Travel Discounts

American Airlines is offering a 5% discount to Live! 360 Orlando attendees for travel to Orlando International Airport between November 15 and 25, 2013. 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 22N2AZ. 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)**

The Royal Pacific Resort at Universal Orlando 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 the 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.

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Registration Packages

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

Register now at www.vslive.com/orlando

● The Visual Studio Live! 5-Day Package is your five day all-access pass to every keynote, session, workshop and event **November 18-22, 2013** for all four co-located conferences.

VISUAL STUDIO LIVE! 5-DAY PACKAGE	SUPER Early Bird (by September 12, 2013) $1,795 Save $400	Early Bird (by October 9, 2013) $1,895 Save $300	Standard (after October 10, 2013) $2,195

PACKAGE INCLUDES:
- Access to all Visual Studio Live!, SQL Server Live!, Modern Apps Live!, and SharePoint Live! Sessions and Keynotes
- All Pre-conference workshops • All Post-conference workshops • Receptions • Networking Events
- Lunch (November 18-22) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey
- Proceedings DVD of all course notes and sample code for all four conferences

● The Visual Studio Live! 5-Day Conference & Hotel Package is your five day all-access pass to every keynote, session, workshop and event **November 18-22, 2013** for all four co-located conferences; PLUS five nights at the Loews Royal Pacific Resort.

VISUAL STUDIO LIVE! 5-DAY CONFERENCE & HOTEL PACKAGE	SUPER Early Bird (by September 12, 2013) $2,745 Save $400	Early Bird (by October 9, 2013) $2,845 Save $300	Standard (after October 10, 2013) $3,145

PACKAGE INCLUDES:
- Visual Studio Live! 5-day Package
- 5 nights at the Loews Royal Pacific Resort (Room and tax only) - only available Sunday night (November 17) through Thursday night (November 21), departing Friday (November 22)

Signing up 3 or more? Group Discounts are available!

Turn to page 32 for pricing details.

Are you a Visual Studio Live! or Live! 360 alumnus? Alumni discounts are available!

Turn to page 33 for pricing details.

● The Visual Studio Live! 360 3-Day Package is your three day all-access pass to every keynote, session and event **November 19-21, 2013** for all four co-located conferences.

VISUAL STUDIO LIVE! 3-DAY PACKAGE	SUPER Early Bird (by September 12, 2013) $1,395 Save $300	Early Bird (by October 9, 2013) $1,495 Save $200	Standard (after October 10, 2013) $1,695

PACKAGE INCLUDES:
- Access to all Visual Studio Live!, SQL Server Live!, Modern Apps Live!, and SharePoint Live! Sessions and Keynotes
- Receptions • Lunch (November 19-21) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings DVD of all course notes and sample code for all four conferences

Registration Packages, continued

● The Visual Studio Live! 3-Day Conference & Hotel Package is your 3-day all-access pass to every keynote, session and event **November 19-21, 2013** for all four co-located conferences; PLUS four nights at the Loews Royal Pacific Resort.

VISUAL STUDIO LIVE! 3-DAY CONFERENCE & HOTEL PACKAGE	SUPER Early Bird (by September 12, 2013) $2,165 **Save $300**	Early Bird (by October 9, 2013) $2,265 **Save $200**	Standard (after October 10, 2013) $2,465

PACKAGE INCLUDES:
- Live! 360 3-Day Package
- 4 nights at the Loews Royal Pacific Resort (Room and tax only) - only available Monday night (November 18) through Thursday night (November 21), departing Friday (November 22)

● The Visual Studio Live! Workshop Pass grants you access to one full-day workshop at Live! 360 Orlando on either **Monday, November 18** OR **Friday, November 22, 2013**.

ONE-DAY WORKSHOP PASS	$495

PASS INCLUDES:
Pre-Conference Workshop – Monday, November 18; OR
Post-Conference Workshop – Friday, November 22, 2013

GROUP DISCOUNTS

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

For questions or to register your group, please call 541.346.3537

VISUAL STUDIO LIVE! 5-DAY GROUP DISCOUNT PACKAGE (3+ COLLEAGUES)	Group Rate $1,495 **Save $700 off the Standard Rate per Attendee**

PACKAGE INCLUDES:
- **Access to all Visual Studio Live!, SQL Server Live!, Modern Apps Live!, and SharePoint Live! Sessions and Keynotes**
- **Pre-conference workshops • Post-conference workshops • Receptions • Networking Events • Lunch (November 18-22)**
- **Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey**
- **Proceedings CD of all course notes and sample code**

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Registration Packages, continued

ALUMNI DISCOUNTS

● The Visual Studio Live! or Live! 360 Alumni Best Value Package is your five day all-access pass to every keynote, session, workshop and event **November 18 – 22, 2013**.

VISUAL STUDIO LIVE! OR LIVE! 360 ALUMNI BEST VALUE PACKAGE (5 DAY)	SUPER Early Bird (by September 12, 2013) $1,595 **Save $600**	Early Bird (by October 9, 2013) $1,695 **Save $500**	Standard (after October 10, 2013) $1,795 **Save $400**

PACKAGE INCLUDES:
- Access to all Visual Studio Live!, SQL Server Live!, Modern Apps Live!, and SharePoint Live! Sessions and Keynotes
- All Pre-conference workshops • All Post-conference workshops • Receptions • Networking Events
- Lunch (November 18-22) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey
- Proceedings DVD of all course notes and sample code for all four conferences

● The Visual Studio Live! or Live! 360 Alumni 5-Day Conference & Hotel Package is your five day all-access pass to every keynote, session, workshop and event **November 18-22, 2013** for all four co-located conferences; PLUS five nights at the Loews Royal Pacific Resort.

VISUAL STUDIO LIVE! ALUMNI COMPLETE CONFERENCE & HOTEL PACKAGE (5 DAY)	SUPER Early Bird (by September 12, 2013) $2,545 **Save $600**	Early Bird (by October 9, 2013) $2,645 **Save $500**	Standard (after October 10, 2013) $2,745 **Save $400**

PACKAGE INCLUDES:
- Visual Studio Live! 5-day Package
- 5 nights at the Loews Royal Pacific Resort (Room and tax only) - only available Sunday night (November 17) through Thursday night (November 21), departing Friday (November 22)

"THE CHEMISTRY BETWEEN MANY OF THE SPEAKERS MAKES VISUAL STUDIO LIVE! AN ENJOYABLE EXPERIENCE. I'VE BEEN ABLE TO ASK QUESTIONS THAT RESOLVE RELEVANT PROBLEMS: ENOUGH TO SATISFY THE COST OF ATTENDING."

- Bill Polewchak, Solution Architect/Sr. Tech. Design Lead, Avery Dennison