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Live! 360 Conference Chairs

Rockford Lhotka
Modern Apps Live!
Conference Chair, and
Visual Studio Live!
Conference Co-Chair

CTO, *Magenic*

Andrew Brust
SQL Server Live! and
Visual Studio Live!
Conference Co-Chair

Founder & CEO,
Blue Badge Insights

Don Jones
SQL Server Live!
Conference Co-Chair

Partner and Principal
Technologist,
Concentrated Technology

Dan Holme
SharePoint Live!
Conference Co-Chair

Microsoft Technologies
Evangelist, *Intelliem*

Andrew Connell
SharePoint Live!
Conference Co-Chair

Microsoft Most Valuable
Professional (MVP),
*SharePoint Server;
Andrew Connell Inc.*

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!

Visual Studio LIVE!
EXPERT SOLUTIONS FOR .NET DEVELOPERS

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**

SharePoint LIVE!
TRAINING FOR COLLABORATION

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**

SQL Server LIVE!
TRAINING FOR DBAs AND IT PROS

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**

Modern Apps LIVE!
MODERN APPS FROM START TO FINISH

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**

Why Attend Live! 360?

LIVE! LEARNING. Let's face it – nothing beats live learning, and attending a conference remains the best way to stay current in the ever-changing IT industry. Technologies evolve, new products are released and there are constant upgrades to keep up with. You need a single event that will cover all your bases!

LIVE! WORKSHOPS. The pre-and-post-conference workshops allow you to sink your teeth into today's technology with a full eight hours of training, insight, discussion, and more.

LIVE! EXPERTS. Live! 360 speakers are some of the best and brightest in the industry, and this conference allows you to tap directly into their knowledge and expertise. Our speakers are always able and willing to talk to you outside of sessions – it's a great opportunity to get insightful, on-point answers!

LIVE! DEMOS. The expo hall and demo theater at Live! 360 allow you to hear about innovative solutions that can make your work life easier, and give you credible and unbiased information to build, buy and manage the development and IT processes for your organization.

LIVE! NETWORKING. A variety of networking opportunities connect you with thousands of fellow developers and IT Pros from around the world — last year, more than 30 countries were represented!

LIVE! FUN. All work and no play makes for a dull conference. Each day will bring a fun activity, contest, or function that gives you the chance to relax, kick back and mingle with your fellow attendees.

Live! 360 At-A-Glance

Sunday, November 17, 2013 - Pre-Conference

4:00 pm - 9:00 pm	Pre-Conference Registration
6:00 pm - 9:00 pm	Dine-A-Round Dinner @ Universal CityWalk

Monday, November 18, 2013 - Pre-Conference Workshops

6:30 am - 8:00 am	Pre-Conference Workshop Registration - Coffee and Morning Pastries
8:00 am - 5:00 pm	Pre-Conference Workshops
5:00 pm - 7:00 pm	EXPO Preview
7:00 pm - 8:00 pm	Live! 360 Keynote - To Be Announced

Tuesday, November 19, 2013 - Day One

7:00 am - 8:00 am	Registration - Coffee and Morning Pastries
8:00 am - 9:00 am	Individual Conference Keynotes - To Be Announced
9:00 am - 9:30 am	Networking Break - Visit the EXPO
9:30 am - 10:45 am	Conference Sessions
11:00 am - 12:15 pm	Conference Sessions
12:15 pm - 2:00 pm	Lunch - Visit the EXPO
2:00 pm - 3:15 pm	Conference Sessions
3:15 pm - 4:15 pm	Networking Break - Visit the EXPO
4:15 pm - 5:30 pm	Conference Sessions
5:30 pm - 7:30 pm	Exhibitor Reception

Wednesday, November 20, 2013 - Day Two

7:00 am - 8:00 am	Registration - Coffee and Morning Pastries
8:00 am - 9:00 am	Live! 360 Keynote - To Be Announced
9:15 am - 10:30 am	Conference Sessions
10:30 am - 11:00 am	Networking Break - Visit the EXPO
11:00 am - 12:15 pm	Conference Sessions
12:15 pm - 1:45 pm	Round Table Lunch - Visit the EXPO
1:45 pm - 3:00 pm	Conference Sessions
3:00 pm - 4:00 pm	Networking Break - Visit the EXPO
4:00 pm - 5:15 pm	Conference Sessions
8:00 pm - 10:00 pm	Live! 360 Evening Event

Thursday, November 21, 2013 - Day Three

7:00 am - 8:00 am	Registration - Coffee and Morning Pastries
8:00 am - 9:15 am	Conference Sessions
9:30 am - 10:45 am	Conference Sessions
11:00 am - 12:15 pm	Conference Sessions
12:15 pm - 1:30 pm	Lunch
1:30 pm - 2:45 pm	Conference Sessions
3:00 pm - 4:15 pm	Conference Sessions
4:30 pm - 5:45 pm	Live! 360 Conference Wrap-up

Friday, November 22, 2013 - Post-Conference Workshops

7:00 am - 8:00 am	Post-Conference Workshop Registration - Coffee and Morning Pastries
8:00 am - 5:00 pm	Post-Conference Workshops

Schedule subject to change.

Events & Activities

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

Dine-A-Round Dinner
Sunday, November 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

LIVE! 360 — IT EVENTS WITH PERSPECTIVE

Modern Apps LIVE!
MODERN APPS FROM START TO FINISH

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

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

START TIME	END TIME	Modern Apps 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	Modern Apps Live! Pre-Conference Workshop: Monday, November 18, 2013
6:30 AM	8:00 AM	Pre-Conference Workshop Registration - Coffee and Morning Pastries
8:00 AM	5:00 PM	Workshop: Crash Course on Technologies for Modern App Development - *Rockford Lhotka, Nick Landry, & Kevin Ford*
5:00 PM	7:00 PM	EXPO Preview
7:00 PM	8:00 PM	Live! 360 Keynote: To Be Announced

START TIME	END TIME	Modern Apps Live! Day 1: Tuesday, November 19, 2013
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries
8:00 AM	9:00 AM	Modern Apps Live! Keynote: To Be Announced
9:00 AM	9:30 AM	Networking Break • Visit the EXPO
9:30 AM	10:45 AM	Introduction to Modern App Development - *Rockford Lhotka*
11:00 AM	12:15 PM	Modern App Architecture - *Rockford Lhotka*
12:15 PM	2:00 PM	Lunch • Visit the EXPO
2:00 PM	3:15 PM	Modern App Design - *Billy Hollis*
3:15 PM	4:15 PM	Networking Break • Visit the EXPO
4:15 PM	5:30 PM	Unit and Integration Testing of Modern Apps - *Jason Bock*
5:30 PM	7:30 PM	Exhibitor Reception

Speakers and sessions subject to change

"THE RANGE AND DIVERSITY OF THE SESSIONS.
MODERN APPS LIVE IS A GREAT CONCEPT!"

- Carlos Sarmiento, Developer, Legal Pro Systems

LIVE! 360
IT EVENTS WITH PERSPECTIVE

Modern Apps LIVE!
MODERN APPS FROM START TO FINISH

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

Agenda At-A-Glance (Wednesday, Thursday & Friday)

START TIME	END TIME	Modern Apps Live! Day 2: Wednesday, November 20, 2013
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced
9:15 AM	10:30 AM	Data Access and SQL Server in Modern Apps - *Steve Hughes*
10:30 AM	11:00 AM	Networking Break • Visit the EXPO
11:00 AM	12:15 PM	Application Servers and Windows Azure - *Kevin Ford*
12:15 PM	1:45 PM	Round Table Lunch • Visit the EXPO
1:45 PM	3:00 PM	User Experience Nuts and Bolts - *Anthony Handley & Billy Hollis*
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.
4:00 PM	5:15 PM	Building a Modern App for Android in C# with Xamarin - *Nick Landry*
8:00 PM	10:00 PM	Live! 360 Evening Event

START TIME	END TIME	Modern Apps Live! Day 3: Thursday, November 21, 2013
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries
8:00 AM	9:15 AM	Building a Modern App in C# and XAML - *Brent Edwards*
9:30 AM	10:45 AM	Leveraging Your Data Through BI - *Steve Hughes*
11:00 AM	12:15 PM	Building a Modern App for iOS - *Lou Miranda*
12:15 PM	1:30 PM	Lunch
1:30 PM	2:45 PM	ALM, the TFS Service, and Git: Lessons Learned - *Brian Randel*
3:00 PM	4:15 PM	Building a Modern App with HTML5 and JavaScript - *Aidan Ryan*
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up

START TIME	END TIME	Modern Apps Live! Post-Conference Workshop: 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	Workshop: Deep Dive into Modern App Design and Development - *Brent Edwards, Anthony Handley, Lou Miranda, & Aidan Ryan*

Speakers and sessions subject to change

LIVE! 360
IT EVENTS WITH PERSPECTIVE

Modern Apps LIVE!
MODERN APPS FROM START TO FINISH

ORLANDO, FL | **NOVEMBER 18-22, 2013**
LOEWS ROYAL PACIFIC RESORT
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Session Descriptions

MAM01 Workshop: Crash Course on Technologies for Modern App Development – Introductory
Rockford Lhotka, Nick Landry, & Kevin Ford
Monday, November 18   *8:00am - 5:00pm*

Modern apps center around devices and the cloud. They often run on non-Microsoft devices such as the iPad, Android tablets, or in browsers via HTML5. If you are a Microsoft developer you might have little or no exposure to software development on these platforms. This workshop will provide you with a crash course on iOS (iPad, iPhone), Android, Xamarin, and HTML5/JavaScript development. You'll leave understanding the development options and core techniques for each platform so you'll be ready to build compelling modern apps.

MAT01 Introduction to Modern App Development – Introductory
Rockford Lhotka
Tuesday, November 19   *9:30am - 10:45am*

We're rapidly moving into the era of "modern apps", where users expect a more intuitive, productive, and compelling experience from their computers and devices. Moreover, they expect a similar app experience on their phone, their tablet, and their computer; all of which is transparently supported by a cloud-based infrastructure (public or private) so the app has their data and settings everywhere they go. In this session you'll see how and why Modern Apps are so important to you and your users, and you'll understand the high level process for designing and building this type of app.

MAT02 Modern App Architecture – Intermediate
Rockford Lhotka
Tuesday, November 19   *11:00am - 12:15pm*

Modern apps rely on client devices, cloud services, and on-premise services and data. As a result, it is critical to use a solid architecture when building modern apps to ensure you can balance development cost, maintainability, scalabiilty,

reliability, user experience, and other key factors. There are so many technology options available that can fit together in so many ways, that a good architecture is absolutely necessary to clearly define what and how technologies will be used. In this session you'll learn how to evaluate different technologies and key concepts and patterns that help balance the important factors of mobile app development.

MAT03 Modern App Design – Intermediate
Billy Hollis
Tuesday, November 19   *2:00pm - 3:15pm*

User experience and application workflow are key aspects of any modern app. Modern apps have a higher bar in terms of productivity, aesthetics, platform integration, and usability than the apps most of us have built throughout our careers. In this session you will learn some new ways of thinking that will enable you to reimagine application development, and techniques you can apply as you design your own modern apps.

MAT04 Unit and Integration Testing of Modern Apps – Intermediate
Jason Bock
Tuesday, November 19   *4:15pm - 5:30pm*

Cost-effective enterprise software development requires the entire team to be focused on ensuring quality is present right from the beginning and at every step in the process. Much of this work involves some form of testing to verify the application works as expected. In this session you will learn about kicking off a project with a coordinated test strategy to ensure the team functions efficiently as a whole. We'll then dive into developer testing techniques - how to implement basic code testing, how to use tools like FxCop, and why you want to stretch toward more comprehensive unit and integration testing. Even the most basic code testing regimen provides amazing value to any software development effort, and you owe it to yourself and your organization to get started, or to continually improve your existing process.

MAW01 Data Access and SQL Server in Modern Apps – Intermediate
Steve Hughes
Wednesday, November 20   *9:15am - 10:30pm*

An application's business layer requires data to function, and that means having a data access layer and a database. These two must work together to provide performant, scalable, and efficient access to the application's data. In this session you'll hear developer and database expert viewpoints on the pros and cons of using Entity Framework, stored procedures, index and key optimization, query optimization, and more. You'll learn the trade-offs between the various options, and how to minimize the impact of any specific choice by abstracting the data access code from the rest of the application.

MAW02 Application Servers and Windows Azure – Intermediate
Kevin Ford
Wednesday, November 20   *11:00am - 12:15pm*

In today's world many applications are n-tier or service-oriented, or both. Application servers provide scalability beyond the needs of most applications, but also provide security and manageability benefits required in many scenarios. This session will demonstrate how to configure and deploy application server logic in Windows Server (private cloud) and in Windows Azure (public cloud) environments. As a result, you'll understand how to use WCF and Web API service hosting to create scalable, secure, and reliable application servers for your applications.

MAW03 User Experience Nuts and Bolts – Intermediate
Anthony Handley & Billy Hollis
Wednesday, November 20   *1:45pm - 3:00pm*

Although quality business and data layers are critical to any application, the user sees and interacts with the application through its user interface. The user experience for all applications has become increasingly important over the years, and modern applications set a high bar for even the

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ModernApps LIVE!
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Session Descriptions, continued

simplest app. This session focuses on the user experience design process and the types of user experience requirements you must take into account when designing a modern app. These requirements and design factors feed into the user interfaces expressed on PCs, tablets, and phones. In many ways, the success or failure of any application flows directly from the quality of the UX design.

MAW04 Building a Modern App for Android in C# with Xamarin – Intermediate
Nick Landry
Wednesday, November 20   *4:00pm - 5:15pm*

Android devices are among the most widely used in the world, and the Xamarin tools allow .NET developers to directly apply their C# skills when building native Android apps. In this session you'll learn how to implement a native smart client Android app using the Xamarin tools. You'll see how this app makes use of powerful Azure and app server services to provide the user with a rich and consistent experience for Android that is directly comparable to Windows, iOS, and JavaScript clients.

MAH01 Building a Modern App in C# and XAML – Intermediate
Brent Edwards
Thursday, November 21   *8:00am - 9:15am*

The centerpiece of Microsoft's modern apps story is Windows 8 and the new Windows Runtime (WinRT) development platform, along with its close cousin WinPRT for Windows Phone. In this session you'll learn how to implement a smart-client application on Windows 8 and Windows Phone that leverages the business layer, application server, data layer, and mobile services created in previous talks in this track. You'll leave the session understanding how and why you'll want to leverage WinRT and WinPRT features like search, share, and settings, along with other rich platform capabilities.

MAH02 Leveraging Your Data Through BI – Intermediate
Steve Hughes
Thursday, November 21   *9:30am - 10:45am*

In today's world, users increasingly expect the data collected by their apps to be available for analysis in rich and flexible ways. In this whirlwind session, you'll learn the basic thinking behind the design and implementation of a data mart or data warehouse using SQL Server. Then you will learn how to build a data model for analysis using Power Pivot. The session wraps up with visualization demonstrations using Excel 2013 and Power View.

MAH03 Building a Modern App for iOS – Intermediate
Lou Miranda
Thursday, November 21   *11:00am - 12:15pm*

The back-end business, data, application, and mobile services can also be used to support applications built for the iPhone and iPad devices running Apple's iOS platform. In this session you'll learn how to implement a mobile iPad application that provides a comparable user experience, while leveraging the same back-end code that supports Windows, Android, and JavaScript.

MAH04 ALM, the TFS Service, and Git: Lessons Learned – Intermediate
Brian Randell
Thursday, November 21   *1:30pm - 2:45pm*

Building modern apps means dealing with many platforms and technologies, and so it is absolutely necessary to have quality processes and tools for managing the development lifecycle. This session will walk you through the lessons learned in using the Team Foundation Service, git source control, as well as project staffing, reporting, and requirements gathering. You will learn how to establish effective Visual Studio solutions and project organization to support a robust enterprise application architecture. Leaving this session you'll not only be able to set up your own TFS and Visual Studio projects, but you'll understand how to use TFS to gather and manage requirements and the overall project lifecycle.

MAH05 Building a Modern App with HTML5 and JavaScript – Intermediate
Aidan Ryan
Thursday, November 21   *3:00pm - 4:15pm*

If building and maintaining modern native apps for Windows, iOS, and Android is too expensive you might consider building a smart client modern app using HTML5 and JavaScript. In this session you'll learn how to leverage various JavaScript libraries and the same Azure mobile services and app server used by the native apps to build a rich JavaScript app that runs in modern browsers and provides a comparable user experience to any native app. Perhaps more importantly you'll learn the pros and cons of JavaScript development when compared to native development, having the opportunity to see the same functionality in JavaScript as you've seen for Android, iPad, and Windows.

Live! 360 Conference Wrap-up
Thursday, November 21   *4:30pm - 5:45pm*

Get the most out of the conference by attending the closing wrap up. Join some of your favorite Live! 360 conference chairs and speakers as they discuss the new content presented during the conference. This is also your opportunity to ask final questions and receive clarification on anything presented throughout the week.

MAF01 Workshop: Deep Dive into Modern App Design and Development – Intermediate
Brent Edwards, Anthony Handley, Lou Miranda, & Aidan Ryan
Friday, November 22   *8:00am - 5:00pm*

Where the Modern Apps Live! content focused a lot on the tradeoffs and choices involved in designing and building a modern app, this workshop will dive straight down into the technology behind those choices. This is a no-holds barred deep dive into the design and implementation of the MyVote app, from the app server to the mobile services to each client app.

Agenda At-A-Glance | (Sunday & Monday)

Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Developing Apps and Solutions for SharePoint	SharePoint, Office 365 and the Cloud

START TIME	END TIME	SharePoint 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	SharePoint 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	12:00 PM	SPM01 - Workshop: Everything You Need to Know to Build SharePoint 2013 Apps! - *Kirk Evans*	SPM02 - Workshop: SharePoint MasterClass - End-to-End SharePoint Governance - *Dan Holme*		SPM03 - Workshop: Installing and Configuring SharePoint 2013 From the Ground Up - *Dan Usher & Scott Hoag*
12:00 PM	1:00 PM	Lunch			
1:00 PM	5:00 PM	SPM01 - Workshop: Everything You Need to Know to Build SharePoint 2013 Apps! - *Kirk Evans*	SPM02 - Workshop: SharePoint MasterClass - End-to-End SharePoint Governance - *Dan Holme*		SPM03 - Workshop: Installing and Configuring SharePoint 2013 From the Ground Up - *Dan Usher & Scott Hoag*
5:00 PM	7:00 PM	EXPO Preview			
7:00 PM	8:00 PM	Live! 360 Keynote: To Be Announced			

Speakers and sessions subject to change

"OUTSTANDING AND VERY INFORMATIVE! IT REALLY
HELPED ME DETERMINE MY APPROACH TO
ORGANIZATION AND RETENTION. THANK YOU!"

- Bonnie Vanoli Vildi

LIVE! 360
IT EVENTS WITH PERSPECTIVE

SharePoint LIVE!
TRAINING FOR COLLABORATION

Agenda At-A-Glance | (Tuesday)

Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Developing Apps and Solutions for SharePoint	SharePoint, Office 365 and the Cloud

START TIME	END TIME	SharePoint Live! Day 1: Tuesday, November 19, 2013			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries			
8:00 AM	9:00 AM	SharePoint Live! Keynote: To Be Announced			
9:00 AM	9:30 AM	Networking Break • Visit the EXPO			
9:30 AM	10:45 AM	SPT01 - Developing Your First SharePoint Application - *Matthew DiFranco*	SPT02 - SharePoint 2013 and Office 365 Upgrade and Migration: Strategy and Tactics - *Dan Holme*	SPT03 - What's New in SharePoint 2013 for IT Pros - *Brian Alderman*	SPT04 - Defining Your SharePoint Taxonomy and Information Management Strategy - *Eric Riz*
11:00 AM	12:15 PM	SPT05 - How to Develop and Debug Client Side Code - *Mark Rackley*	SPT06 - Session To Be Announced - *Dan Holme*	SPT07 - How to Migrate 50,000 Site Collections to Office 365 - *Erica Toelle*	SPT08 - Implementing SharePoint: A Project Manager's How-To - *Eric Riz*
12:15 PM	2:00 PM	Lunch • Visit the EXPO			
2:00 PM	3:15 PM	SPT09 - What's New in SharePoint 2013 Workflow Development? - *Matthew DiFranco*	SPT10 - SharePoint 2013 Sharing and Security - *Dan Holme*	SPT11 - Identity in the Cloud - the Good, the Bad and the Ugly - *Paul Schaeflein*	SPT12 - Create a SharePoint End User Adoption Strategy - *Erica Toelle*
3:15 PM	4:15 PM	Networking Break • Visit the EXPO			
4:15 PM	5:30 PM	SPT13 - SharePoint Platform Strategy and Conceptual Design - *Ben Curry*	SPT14 - Introduction to PowerShell for the Anxious IT Pro - *Jason Himmelstein*	SPT15 - To the Cloud! Utilizing AWS and Azure as Cloud Hosting Providers for SharePoint - *Dan Usher & Scott Hoag*	SPT16 - Design a SharePoint Program for Ongoing Operational Excellence - *Erica Toelle*
5:30 PM	7:30 PM	Exhibitor Reception			

Speakers and sessions subject to change

"THE LOCATION IS VERY COMFORTABLE AND ALLOWS EASE OF MOBILITY BETWEEN ROOM AND SESSIONS. OVERALL, THE CONFERENCE WAS VERY INFORMATIVE REGARDING THE NEW TECHNOLOGIES THAT ARE UP AND COMING."

- Dagoberto Cabrera, Application Architect, Asuurant, Inc.

Agenda At-A-Glance | (Wednesday)

Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Developing Apps and Solutions for SharePoint	SharePoint, Office 365 and the Cloud

START TIME	END TIME	SharePoint Live! Day 2: Wednesday, November 20, 2013				
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries				
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced				
9:15 AM	10:30 AM	SPW01 - Critical Thinking for Business Critical SharePoint - *Ben Curry*	SPW02 - What's New with SharePoint Business Connectivity Services (BCS) and OData Services - *Fabian Williams*	SPW03 - On-Site or in the Cloud - *Samuel Sabel*		SPW04 - Overview of BI in SharePoint 2013 - *Michael Doyle*
10:30 AM	11:00 AM	Networking Break • Visit the EXPO				
11:00 AM	12:15 PM	SPW05 - Understanding OAuth in SharePoint 2013 - *Kirk Evans*	SPW06 - Optimizing SQL Server 2012 for SharePoint 2013 - *Brian Alderman*	SPW07 - Real World Challenges in Enterprise Search - *Agnes Molnar*		SPW08 - SharePoint in the World of Human Resources - *Sandra Mahan*
12:15 PM	1:45 PM	Round Table Lunch • Visit the EXPO				
1:45 PM	3:00 PM	SPW09 - Lazy Client Side Dev - Let the Plugins Do the Heavy Lifting - *Mark Rackley*	SPW10 - Exam Cram for 70-332: Advanced Solutions of Microsoft SharePoint Server 2013 - *Michael Doyle*	SPW11 - No-Code CRUD Business Connectivity Services (BCS) Solutions Using SharePoint Designer 2013 - *Fabian Williams*		SPW12 - SharePoint Server 2013 Farm Architecture and Performance - *Ben Curry*
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.				
4:00 PM	5:15 PM	SPW13 - SharePoint 2013 Workflows – Creating Custom Forms, Events and CSOM - *Andrew Connell*	SPW14 - Business Intelligence in SharePoint 2013: Empowering Users to Change their World - *Jason Himmelstein*	SPW15 - Old CRUD, New CRUD - *Rob Wilson*		SPW16 - To Be Announced
8:00 PM	10:00 PM	Live! 360 Evening Event				

Speakers and sessions subject to change

"THE AMOUNT OF INFORMATION COVERED (IS WHAT I LIKED BEST). GOOD TOPICS THAT COVERED A LOT OF AREAS. EXCELLENT PRESENTERS."

- Sam Tocco, IT Program Analyst, Charlotte County BCC

Agenda At-A-Glance | (Thursday & Friday)

Keys to SharePoint Success: Strategy, Governance, Adoption	SharePoint Infrastructure Management and Administration	High-Value SharePoint Workloads: Social, Search, BI, and Business Process Automation	Information and Content Management: Documents, Records, and Web	Developing Apps and Solutions for SharePoint	SharePoint, Office 365 and the Cloud

START TIME	END TIME	SharePoint Live! Day 3: Thursday, November 21, 2013			
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries			
8:00 AM	9:15 AM	SPH01 - Introduction to Office 365 SharePoint Online Development - *Matthew DiFranco*	SPH02 - Exchange 2013 and SharePoint 2013: Better Together - *J. Peter Bruzzese*	SPH03 - Getting the Most Out of Your Content in SharePoint with Enterprise Search - *Agnes Molnar*	SPH04 - Building a Content Site Using SharePoint Server 2013 Web Content Management: Start to Finish - *Andrew Connell*
9:30 AM	10:45 AM	SPH05 - "App-etize" Your SharePoint Solutions - Moving Your Solution to the SharePoint 2013 App Model - *Paul Schaeflein*	SPH06 - SharePoint 2013 Admin in the Hybrid World - *Jason Himmelstein*	SPH07 - Third Party Solutions (Roundtable) - *Rob Wilson*	SPH08 - Automating Business Processes with Workflows Using SharePoint Designer 2013 - *Andrew Connell*
11:00 AM	12:15 PM	SPH09 - Client Side Development - REST or CSOM? - *Mark Rackley*	SPH10 - Ten Non-SharePoint Technical Issues That Can Doom Your Implementation - *Robert Bogue*	SPH11 - Intranet Case Studies - *Michael Doyle*	SPH12 - To Be Announced
12:15 PM	1:30 PM	Lunch			
1:30 PM	2:45 PM	SPH13 - TypeScript Development in SharePoint - *Robert Bogue*	SPH14 - Case Study: When Should I Use SharePoint 2013 Business Connectivity Services (BCS) and When Should I Use SharePoint 2013 Workflows to Interact with External Data - *Fabian Williams*	SPH15 - Who Says You Can't Do Records Management in SharePoint? - *John Holliday*	SPH16 - A League of Super-Heroes: Building Your SharePoint Team - *Samuel Sabel*
3:00 PM	4:15 PM	SPH17 - Application Identity: Getting Your Application the Permission it Needs - *Paul Schaeflein*	SPH18 - Search Based Applications with SharePoint 2013 - *Agnes Molnar*	SPH19 - Top 10 New ECM Features in SharePoint 2013 - *John Holliday*	SPH20 - Converting an Email Culture into a SharePoint Culture - *Robert Bogue*
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up			

START TIME	END TIME	SharePoint 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	12:00 PM	SPF01 - Workshop: Everything You Wanted to Know about Workflow in SharePoint 2013 - *Andrew Connell*	SPF02 - Workshop: SharePoint 2013 Enterprise Search MasterClass - *Agnes Molnar*
12:00 PM	1:00 PM	Lunch	
1:00 PM	5:00 PM	SPF01 - Workshop: Everything You Wanted to Know about Workflow in SharePoint 2013 - *Andrew Connell*	SPF02 - Workshop: SharePoint 2013 Enterprise Search MasterClass - *Agnes Molnar*

Speakers and sessions subject to change

Session Descriptions by Track

KEYS TO SHAREPOINT SUCCESS: STRATEGY, GOVERNANCE, ADOPTION

A successful SharePoint implementation requires more than just technical proficiency. It requires a commitment to continuous improvement, service delivery, governance, and management, as well as a fanatical focus on business needs and user adoption. Developers, IT professionals, business leadership, project managers, and users must work cohesively to ensure that SharePoint delivers value and scales to meet new requirements and workloads. These sessions, led by many of the industry's thought leaders, provide invaluable guidance and insight to each of these constituencies, and are, as the track title suggests, critical to your success with SharePoint.

■ SPM02 Workshop: SharePoint MasterClass: End-to-End SharePoint Governance – Intermediate / Advanced
Dan Holme
Monday, November 18   *8:00am – 5:00pm*

Join Dan Holme, global governance thought leader, for a full-day workshop on end-to-end SharePoint governance. Dan Holme is a SharePoint MVP, author of the official Microsoft SharePoint 2010 Training Kit, and one of the most respected SharePoint experts in the industry. He brings to the workshop experience with thousands of organizations worldwide, in every vertical, and every size: from small businesses to most of the Fortune 100 and many of the Global 1000. This workshop has been delivered in sold-out venues on five continents.

■ SPT08 Implementing SharePoint: A Project Manager's How-To – Introductory / Intermediate
Eric Riz
Tuesday, November 19   *11:00am – 12:15pm*

Managing the implementation of SharePoint is a comprehensive task; one which requires strong project management skills, a detailed project plan, and creativity. Inefficient communication among stakeholders, poor document management practices, and undefined project collaboration standards can compromise project success. This session will walk through effective planning techniques and implementation standards for a SharePoint implementation from the perspective of a Project Manager. We will discuss how to create and customize a SharePoint site for effective project collaboration and monitoring as well as analyzing the project schedule and milestones in a SharePoint site, generate on-demand project status reports and how to synchronize common project management tools with SharePoint.

You will learn:
• Breakdown of SharePoint's workloads and modules into workable components

• Planning techniques for teams and stakeholders
• Collaboration and monitoring policies for effective implementation

■ SPT12 Create a SharePoint End User Adoption Strategy – Intermediate
Erica Toelle
Tuesday, November 19   *2:00pm – 3:15pm*

We all know that End User Adoption is an important area of focus in your SharePoint project. In this session we will take a closer look at the End User Adoption work stream and the associated roles, responsibilities, and tasks for the project plan. We will also review case studies to demonstrate how these differ based on the size of the project and the specific needs of the organization. You'll walk away from this session with a tactical formula you can follow to create your end user adoption strategy and templates to support the process.

You will learn:
• How to achieve high levels of end user adoption on your SharePoint project
• How to execute an end user adoption work stream on your next SharePoint project
• The templates and tools that can be used in this work stream

■ SPT13 SharePoint Platform Strategy and Conceptual Design – Intermediate
Ben Curry
Tuesday, November 19   *4:15pm – 5:30pm*

Platform Strategy. Governance. ECM. Information Architecture. BCSP. BPM .Business Alignment. Usability. ROI. SoR. SoE. What do these really mean and where do you start? There is so much fear, uncertainty, and doubt around these topics that many SharePoint professionals have no idea where to start and simply do nothing. But, when deploying SharePoint, indecision can be the worst decision of all! Come to this session to see real-world, proven approaches to project and platform success. You'll learn how process

Session Descriptions by Track, continued

ties to content and how content ties to process. Last, you'll learn how to apply governance to your content and processes in a simple and straight-forward fashion.

You will learn:
• What methodology to use to map processes
• When to design for executives or users
• Is "bring your own device" a reasonable requirement with SharePoint
• How to gather actionable requirements
• How to deal with orphaned content
• How to govern your enterprise metadata

■ **SPT16 Design a SharePoint Program for Ongoing Operational Excellence –** Introductory / Intermediate
Erica Toelle
Tuesday, November 19   4:15pm – 5:30pm

Even the best SharePoint deployments can fail to achieve their target ROI in the long term. This session will focus on how to design and manage a SharePoint program that continues to build value from your initial deployment. Components of a SharePoint Program include roadmap planning, feature and solution release planning, a support system for Power Users within Business Units, ongoing training, and the creation of a center of excellence to highlight business solutions, to name a few. This SharePoint program framework is designed to support a working relationship between IT and Business Units in order to maximize the value of your SharePoint investment.

■ **SPW01 Critical Thinking for Business Critical SharePoint –** Intermediate
Ben Curry
Wednesday, November 20   9:15am – 10:30am

SharePoint is fast becoming all about Business Critical content and processes. In fact, many still don't know that SharePoint Server is in the Gartner magic quadrant for ECM and has been for a while. There are three essential ways that SharePoint can be seen as Business Critical:

1. SharePoint IS your business critical platform. SharePoint would host and server ECM, BPM/Case Management, WCM, Social, Collaboration, BI, and Search
2. SharePoint is the application layer for other business critical platforms. We often use the WCM and BI capabilities in this scenario
3. SharePoint is the back-end, or integrated with other business critical platforms. As SharePoint Server 2013 joins the big leagues in ECM and scalability, we have begun using it for large archives and document storage for other applications, such as Cerner and Epic.

However, you can't treat SharePoint as an "install and forget" product if you expect to have critical content available when needed. Success will take a purpose- built, deliberately designed platform to deliver enterprise-class availability.

You will learn:
• How to position SharePoint as a "big league tool" to executives and stakeholders
• The basics of building a mission critical platform on SharePoint
• The different methods for implementing business critical SharePoint

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■ **SPW08 SharePoint in the World of Human Resources –** Introductory
Sandra Mahan
Wednesday, November 20   11:00am – 12:15pm

Human Resources is an integral piece in almost every organization. The use of SharePoint and InfoPath can greatly improve efficiencies while maintaining the security required by HR. This session will show real world solutions for incorporating these vital tools into processes such as performance reviews, rewards-based wellness programs, and corporate credit card requests using out-of-the-box functionality.

■ **SPH07 Third Party Solutions (Roundtable) –** Introductory
Rob Wilson
Thursday, November 21   9:30am – 10:45am

SharePoint is an enabling platform, built for customization and extensibility. You may develop your own solutions on SharePoint, or depending on what version and edition of SharePoint you own, third party solutions may be a better alternative. In this session, we will take an unbiased look at some of the top solutions in the market. We will explain where to find these solutions, what questions to ask when you evaluate them, and how this changes in SharePoint 2013. We will save time at the end for Q&A and a roundtable discussion of solutions the attendees found useful.

You will learn:
• About some of the popular third party SharePoint solutions for administrators and business users
• What to look for in a third party solution and where to find them
• How to create a checklist to help you make the build versus buy decision for your own solutions
• Discuss administration, business, and training solutions that you have found useful at your organization

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■ **SPH16 A League of Super-Heroes: Building Your SharePoint Team –** Intermediate
Samuel Sabel
Thursday, November 21   1:30pm – 2:45pm

Bringing together the right mix of talent to be successful with SharePoint is critical. A SharePoint team needs many kinds of expertise, not just IT know-how. Getting past the myth of the SharePoint super-hero and seeing the kind of dynamic mix that brings about success.

You will learn:
• To develop an awesome SharePoint Team
• Understand the different skill set for SharePoint professionals
• What every SharePoint director needs to know

Session Descriptions by Track, continued

■ SPH20 Converting an Email Culture into a SharePoint Culture – Introductory
Rob Bogue

Thursday, November 21   *3:00pm – 4:15pm*

E-mail is pervasive. Despite the social media pundits claiming that e-mail is dead, it still overflows mailboxes and inundates everyone in the organization. In this session, we'll illuminate a path from e-mail addiction to a healthy relationship with e-mail. Along the way, we'll talk about what's wrong with the obsession with e-mail, the tools that we have to move the organization down the path of recovery, and what gets in the way.

You will learn:
• To identify how e-mail is an addiction for your organization
• To remove barriers to SharePoint adoption
• To create a structure for change in your organization

SHAREPOINT INFRASTRUCTURE MANAGEMENT AND ADMINISTRATION

IT professionals must carefully plan, deploy, configure, and administer the complex stack of technologies that comprise a SharePoint service. From SQL Server to Active Directory to DNS to SharePoint itself, their myriad moving parts challenge even the most intrepid IT pros. These technologies become even more complex when you add public and hybrid cloud scenarios, including Office 365 and Windows Azure IaaS. Sessions in this track are geared primarily to IT pros and DBAs. First-class speakers will guide you through the nuances of SharePoint infrastructure management and administration—in Office 365 and "on-prem"—and will equip you to deploy and support SharePoint 2013 and 2010 effectively, with both GUI and PowerShell methodologies.

■ SPM03 Workshop: Installing and Configuring SharePoint 2013 from the Ground Up – Intermediate / Advanced
Dan Usher & Scott Hoag

Monday, November 18   *8:00am – 5:00pm*

Have you ever wondered how to install SharePoint 2013 properly using PowerShell so as to avoid those random numbers that show up in your service application databases that end up showing up when you use the Configuration Wizard? Would you prefer to not just be a Principal Button Clicker that clicks "Next, Next, Next, Next, Next" to install SharePoint? Do you want to learn how to do things "the right way?"

Attend this full-day workshop and we'll walk through step by step setting up SharePoint 2013 using PowerShell in a multi-server farm environment. This session will include:

• Installing SharePoint Prerequisites using a configuration file and pre-downloaded components
• Configuring the SharePoint platform using PowerShell
• Creating and Configuring Service Applications with wholly named databases
• Configuring Integrated Windows Authentication using Kerberos
• Provision and Configure the User Profile Service
• Setting yourself up for auto provisioning Apps
• Configuring Resource Management and Distributed Caching Services through PowerShell
• And quite a bit more...

■ SPT02 SharePoint 2013 and Office 365 Upgrade and Migration: Strategy and Tactics – Intermediate
Dan Holme

Tuesday, November 19   *9:30am – 10:45am*

SharePoint 2013 and Office 365 offer "big wins" for business value and service delivery. But which features and capabilities are the most compelling reasons to move, and how and when should you upgrade or migrate? In this session, SharePoint MVP Dan Holme shares what he's learned from customers around the world, and provides guidance for your strategy, roadmap, and tactical approach to integrating these new versions into your SharePoint service. You'll learn what's changed about the technical aspects of upgrading—most importantly, the impact of 2010 mode and deferred site upgrades. You'll explore the factors that should drive your upgrade and migration planning. And you'll learn how to drive towards the optimal mix of cloud and on-premise SharePoint service for your enterprise.

■ SPT06 Session To Be Announced
Dan Holme

Tuesday, November 19   *11:00am – 12:15pm*

■ SPT10 SharePoint 2013 Sharing and Security – Intermediate
Dan Holme

Tuesday, November 19   *2:00pm – 3:15pm*

SharePoint 2013 introduces new sharing features that make it easier than ever for end users, with appropriate permissions, to share content with internal and (in Office 365) external users. It's more important than ever that you master SharePoint's security model, with its deep hierarchy of securable objects, granular permissions and policies, and interconnected user interfaces. This session will demystify SharePoint security by dissecting each of these components and presenting best practices for implementing and managing security. You'll learn how to effectively assign least privilege permissions. You'll discover under-documented "gotchas" of broken inheritance. You'll take away options for new permission levels and settings that address common business requirements. And you'll learn when and why it makes sense to leverage Active Directory groups or use SharePoint groups.

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Session Descriptions by Track, continued

■ SPT14 Introduction to PowerShell for the Anxious IT Pro – Introductory
Jason Himmelstein
Tuesday, November 19   *4:15pm – 5:30pm*

What was wrong with my handy STSADM scripts? You mean there are things that I cannot do from the GUI now? WHAT THE HECK IS THIS VERB-NOUN STUFF? If you have been thinking these or similar things about the new world order under a PowerShell driven regime, you are not alone. Come learn the basics and how to truly optimize your SharePoint implementation using this powerful IT Pro tool-set. You will walk away with a mind full of new ideas and a pocket full of scripts to get you started.

You will learn:
• The basics of PowerShell
• Learn helpful code & commandlets for SharePoint Administration
• Discover patterns & scripts that will make doing your job easier and more repeatable

■ SPW06 Optimizing SQL Server 2012 for SharePoint 2013 – Intermediate / Advanced
Brian Alderman
Wednesday, November 20   *11:00am – 12:15pm*

More than 90% of the content accessed via SharePoint is stored in SQL Server and without the correct configuration of SQL Server it can have a detrimental impact on the per-formance of SharePoint. Regardless of whether you have a dedicated DBA or the SharePoint administrator who is also the DBA there are critical SQL Server configurations that can be made that will optimize SharePoint. Often DBA's are familiar with how to manage SQL Server, but may not be familiar with some nuances that SQL Server has when inte-grated with SharePoint. In this session we will demonstrate how some default SQL Server settings negatively impact SharePoint and what changes can be made to improve the performance of SharePoint. These changes include database file settings and SQL Server instance settings. We'll also

examine how to properly install SQL Server and Share-Point so they work together as efficiently as possible. This discussion will introduce the Best Practices framework that will allow your SharePoint administrator and/or your DBA to configure SharePoint and SQL Server to provide optimal performance for your SharePoint implementation.

You will learn:
• Optimize SharePoint 2013 when Creating and Configuring SQL Server 2012
• Configure SQL Server 2012 Instance Level Settings to Improve SQL Server and SharePoint Performance
• Configure SQL Server 2012 Database Level Settings to Improve SQL Server and SharePoint Performance

■ SPW10 Exam Cram for 70-332: Advanced Solutions of Microsoft SharePoint Server 2013 – Advanced
Michael Doyle
Wednesday, November 20   *1:45pm – 3:00pm*

This will be a brief overview of what to expect on the Microsoft Exam 70-332: Advanced Solutions of Microsoft SharePoint Server 2013. We will cover the topics that will be covered by the exam as well as highlight some of the new features of SharePoint 2013. This session will also cover the types of questions that will be covered on the exam and some strategies for answering them.

You will learn:
• Test overview and cert overview
• What is covered on the examination
• Tips on how to pass

■ SPW12 SharePoint Server 2013 Farm Architecture and Performance – Intermediate / Advanced
Ben Curry
Wednesday, November 20   *1:45pm – 3:00pm*

Are you unsure of architecting the new farm and service applications for performance in SharePoint Server 2013?

This session provides a thoughtful approach to designing your SharePoint Server 2013 server farm and gives you confidence that you are heading in the right direction. You'll learn how to architect for performance, and get live demonstration of performance testing tools! SharePoint Server 2013 has lots of flexibility in how you (Admins and Developers) can architect a server farm. This session will give the attendee a solid understanding of farm services and help you make intelligent decisions when designing and implementing SharePoint Server 2013 server farms. The second half of the session will be full of tips, tricks, and tools to aid you in tweaking server farm performance.

You will learn:
• Basic farm performance
• Testing Tools
• Real world performance tips and tricks

■ SPH02 Exchange 2013 and SharePoint 2013: Better Together – Intermediate
J. Peter Bruzzese
Thursday, November 21   *8:00am – 9:15am*

In addition to being able to work together through Document Library posts and alerting, Exchange and SharePoint have been designed to work more closely with one another through Site Mailboxes. Office Web Apps Server is another way the two can be said to work together. In this session we will focus on the many ways these two server solutions touch upon the other and ways to make the connection work in your environment.

You will learn:
• Configuration of document library and alerting between Exchange and SharePoint
• Site Mailbox configuration
• OWAS configuration

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Session Descriptions by Track, continued

■ SPH06 SharePoint 2013 Admin in the Hybrid World – Intermediate / Advanced
Jason Himmelstein
Thursday, November 21 *9:30am – 10:45am*

Microsoft's massive investment into Cloud technologies are enough to make anyone stop and wonder if the Cloud is something they should be focusing on for SharePoint. During this workshop we will examine Microsoft's Cloud Strategy from an IT Pro's perspective and understand how a hybrid scenario can be structured to maximize the On Premises, Infrastructure as a Service, and Cloud capabilities. We will deep dive into deployment planning and imple-mentation across the hybrid stack. We will also discuss and demonstrate the management of the SharePoint platform across all tiers. Join us on this journey from the ground to the cloud and back again!

You will learn:
• Understand topologies of a hybrid environment
• Discover how management of a hybrid environment will change how you do SharePoint Administration
• Learn the benefits of a hybrid SharePoint implementation

■ SPH10 Ten Non-SharePoint Technical Issues That Can Doom Your Implementation – Intermediate / Advanced
Rob Bogue
Thursday, November 21 *11:00am – 12:15pm*

You've heard that SharePoint implementations are techni-cally challenging and complex because of all of the pieces. However the real truth is that much of what makes Share-Point difficult to implement correctly has nothing to do with SharePoint and everything to do with implementing the core technologies. In this session, we'll tour the most common issues with the supporting technologies that cause frustration and performance issues. You will leave armed with a set of specific criteria and architecture principles to ensure a successful implementation.

You will learn:
• Discover details about how disks work
• Learn about the most popular issues under SharePoint
• Identify non-technical issues which block SharePoint usefulness

■ SPF02 Workshop: SharePoint 2013 Enterprise Search MasterClass – Intermediate
Agnes Molnar
Friday, November 22 *8:00am – 5:00pm*

The possibilities are limitless when building SharePoint solutions using just the Internet browser. The simple and intuitive interface makes it very easy to create robust appli-cations. In this full-day workshop, you will learn how to use the SharePoint 2013 framework of lists, libraries, pages, web parts and Apps to build powerful SharePoint solutions.

You will learn:
• SharePoint 2013 Search planning considerations
• Search administration and troubleshooting in SharePoint 2013
• Discussing the Audience's challenges in an interactive way, providing solution options and best practices

HIGH-VALUE SHAREPOINT WORKLOADS: SOCIAL, SEARCH, BI, AND BUSINESS PROCESS AUTOMATION

SharePoint is more than just an application for collaboration: it is a platform on which business intelligence and business process automation can be built. It enables users to find content, people, and answers through both traditional, search-based approaches as well as through modern social behavioral approaches. These high-value workloads require careful planning, architecture, and implementation. Join the best and brightest experts in the industry to learn just how to build BI, BPA, search, and enterprise social solutions with SharePoint 2010, 2013 and Office 365.

■ SPT09 What's New in SharePoint 2013 Workflow Development? – Introductory
Matthew DiFranco
Tuesday, November 19 *2:00pm – 3:15pm*

With SharePoint 2013 Microsoft has completely redesigned the workflow infrastructure. In this session you will learn the new features that are available in SharePoint workflows. You'll learn new and expanded capabilities like loops and Web Service call outs. You will also learn about the ex-panded features in SharePoint Designed and Visual Studio that will help you in your development.

You will learn:
• How to create a workflow in SharePoint 2013
• New features in SharePoint Designer 2013
• Architecture of SharePoint 2013 workflows

Session Descriptions by Track, continued

■ SPW02 What's New with SharePoint Business Connectivity Services (BCS) and OData Services – Intermediate / Advanced
Fabian Williams
Wednesday, November 20   9:15am – 10:30am

This session goes into detail about what is new in Share-Point 2013 BCS discussing the new API's, specifically Tooling Visual Studio 2012, Service Bus and Messaging and Sub-scriptions. It will cover External Data sources using OData and create a SharePoint 2013 Hosted Application to surface data using all the tooling discussed.

You will learn:
• The new features and capabilities of BCS in SharePoint 2013
• About OData Services and why and how it is viewed in some circles as the defacto method of interacting with External Data, as it solves previous issues encountered in SharePoint 2010 implementation of BCS and External Sources
• Learn how to create a SharePoint 2013 SharePoint Hosted App in Visual Studio to consume External Data using OData Services (RestFull EndPoint)

■ SPW04 Overview of BI in SharePoint 2013 – Introductory
Michael Doyle
Wednesday, November 20   9:15am – 10:30pm

SharePoint 2013 builds on top of the Business Intelligence (BI) power that SharePoint 2010 provided. This session will show you how you can uncover the BI features available in SharePoint 2013. We will go over some of some of the tricks required in getting it running and then show you how you can start using BI in your SharePoint environment. We will cover PowerPivot, Reporting Services, Performance Point, and even PowerView so you will have a whole array of BI tools that you can start using right away. You will be able to present data in a wide variety of charts, graphs, indicators, and even tie them into services such as Bing Maps. Come to

this session to learn how to tap into the power of BI and get a handle on the mounds of data in your organization.

You will learn:
• To install and configure BI components
• How to create Reports
• How to create Interactive Graphics

■ SPW07 Real World Challenges in Enterprise Search – Introductory / Intermediate
Agnes Molnar
Wednesday, November 20   11:00am – 12:15pm

Enterprise Search is complex, even in theory. But when you implement your search solution and everything turns to reality, you'll find some new, never-seen challenges. In this session, Agnes will discuss the best, biggest, and most exciting challenges from her experience, including real world customer scenarios and solutions. Regardless of the SharePoint version you use (SharePoint 2010, FAST Search for SharePoint, SharePoint 2013), this session is for you if you want to prepare for these "unexpected" scenarios.

You will learn:
• Real world use cases and challenges, solutions, and best practices
• Discussing the audience's challenges and potential solutions
• Implementation Best Practices

■ SPW11 No-Code CRUD Business Connectivity Services (BCS) Solutions Using SharePoint Designer 2013 – Intermediate
Fabian Williams
Wednesday, November 20   1:45pm – 3:00pm

Attend this session and learn how to create On Prem and Cloud implementations of SharePoint BCS External Content Types and External Lists using a combination of (1) On Prem SharePoint BCS to Cloud Data, and (2) Office 365 SharePoint Online BCS to Azure Hosted Data.

You will learn:
• That SharePoint BCS is also available in No Code Solutions in SharePoint 2013. Discuss the differences in what can and cannot be accomplished using SPD 2013 vs. Visual Studio (especially around OData and WCF)
• See demos Using SPD 2013 BCS attaching to both On Prem BCS and SharePoint Online and retrieving data from a variety of sources
• How to use Microsoft Office Applications to interact with External Data Sources using SharePoint 2013 BCS

■ SPW14 Business Intelligence in SharePoint 2013: Empowering Users to Change their World – Intermediate
Jason Himmelstein
Wednesday, November 20   4:00pm – 5:15pm

Starting in May 2010 with SQL Server 2008 R2, Microsoft began talking more and more about "Personal BI." The focus of this discussion was a paradigm shift moving business intel-ligence from being something a few BI professionals do with a data warehouse to a practice done by Information Workers every day in familiar tools like Microsoft Excel and SharePoint. Over the course of this session we will show you the improve-ments that Microsoft has made in the 2013 stack to take this new focus from being a nice idea to a truly powerful reality. We will explore the improvements made to Excel, PowerPivot and Power View, and Reporting Services. We will explain the underlying technology that makes the new features possible and walk through demos of some of the shinier toys. At the end of the session you will walk away with a better under-standing of what is new in 2013 for business intelligence, and an extreme desire to build reusable data model that will undoubtedly bring real value to your business.

You will learn:
• Understanding the Microsoft BI story
• Building examples using the Excel Data Model
• Practical application of Power View

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Session Descriptions by Track, continued

■ SPH03 Getting the Most Out of Your Content in SharePoint with Enterprise Search – Intermediate
Agnes Molnar
Thursday, November 21   8:00am – 9:15am

SharePoint 2013 changes the landscape in many ways, particularly with its application model and cloud capabilities. From a business perspective, this makes the job of the governance teams more difficult and complex as these issues become key priorities (and areas of weakness) for the organization. This session is a strategic conversation around the elements of 2013 that governance teams should be most concerned with, from data ownership to creating the correct policies and social rights to security. Attendees will learn tactical strategies which can be used as soon as they return to the office.

You will learn:
• How Content Management and Search ties together: improving the content by Search, and improving the Search by the content
• Working with SharePoint and non-SharePoint content sources, interweaving the results into a common UI
• Content Management and Search Based Applications

■ SPH08 Automating Business Processes with Workflows Using SharePoint Designer 2013 – Level?
Andrew Connell
Thursday, November 21   9:30am – 10:45am

Going all the way back to SharePoint 2007, Microsoft has provided a way for end users, site owners and power users to create automated business processes using workflows and SharePoint Designer. SharePoint 2013 builds on this by adding some new authoring capabilities for building workflows using SharePoint Designer 2013. In this session you'll learn how to use SharePoint Designer 2013 to create workflows that call web services, use the new visual designer and build powerful business processes, all without any code!

■ SPH14 Case Study: When Should I Use SharePoint 2013 Business Connectivity Services (BCS) and When Should I Use SharePoint 2013 Workflows to Interact with External Data – Introductory / Intermediate
Fabian Williams
Thursday, November 21   1:30pm – 2:45pm

Attend this session for a deep discussion on the new capabilities in SharePoint 2013 around External Data. The session will cover new capabilities in Web Service Calls, Dictionary Object, JSON and REST in Workflows, and developing ideas on when it's a good idea to use that approach. We will also compare and contrast those new capabilities with using SharePoint BCS and what can be gained using the External Content Type and External List to interact with External Data.

You will learn:
• How to use SharePoint 2013 to interact with External Data
• The new support for External Data calls in Workflows and BCS
• Discuss Use Cases / Business Cases for both

■ SPH18 Search Based Applications with SharePoint 2013 – Intermediate
Agnes Molnar
Thursday, November 21   3:00pm – 4:15pm

As the Enterprises grow, having more and more information stored in the various back-end and Content Management Systems, Search Based Applications get more and more importance and emphasis. SharePoint 2013 has countless new features and capabilities to provide contextually valuable information to every segment of your business.

In this session, Agnes will go through several real world scenarios, highlighting the most important use cases, options, and solution patters to provide a practical overview of the Search capabilities of Microsoft's latest platform.

You will learn:
• Concept of Search Based Applications (SBA)
• Planning and Implementing SBAs
• Use cases and real world best practices for SBAs

■ SPF01 Workshop: Everything You Wanted to Know about Workflow in SharePoint 2013 – Intermediate / Advanced
Andrew Connell
Friday, November 22   8:00am – 5:00pm

The workflow story changed a great bit in the latest release of SharePoint 2013. In this full-day workshop you will learn how it changed and how to create custom workflows. We'll explore not only creating custom workflows using SharePoint Designer 2013, but also robust workflows using Visual Studio 2012. You'll learn how to consume web services, create custom tasks, interactive forms and push workflow to the limits. It doesn't matter if you are limited to a specific deployment like on-premises or Office 365 as everything you'll learn will apply to both types!

INFORMATION AND CONTENT MANAGEMENT: DOCUMENTS, RECORDS, AND WEB

At the heart of any SharePoint service is content: content in the form of collaborative documents, records, lists, and web pages. SharePoint provides myriad features to ensure that content is managed securely and efficiently through its lifecycle, and that content is usable and findable by users. Sessions in this track focus on collaboration, information architecture and information management from business, IT pro, and developer perspectives.

■ SPT04 Defining Your SharePoint Taxonomy and Information Management Strategy – Intermediate
Eric Riz
Tuesday, November 19   9:30am – 10:45am

Do you have a taxonomy strategy for your business? Did your company setup SharePoint sites, lists, and libraries

Session Descriptions by Track, continued

without metadata? Do you have a strategy but want to measure it against industry best practices? If your answer was "yes" to any of these questions - this is the session for you; one which helps define your taxonomy and information management strategy.

This session is designed to walk through effective quantification and qualification for creating the right taxonomy for your business, including ways to enhance social and Enterprise 2.0 technologies. We will discuss how to determine relationships amongst information and the incremental collective benefits from tagging documents with the right data. This is more than just a how-to; it's a roadmap to defining corporate information and knowledge in your organization to ensure that your SharePoint content is well structured, in order to provide better access, improved productivity, and more reliable information.

You will learn:
• Introduction to taxonomy definition and creation
• Content management best practices
• How to create reliable, single source data

■ SPH04 Building a Content Site Using SharePoint Server 2013 Web Content Management: Start to Finish – Intermediate / Advanced
Andrew Connell
Thursday, November 21   8:00am – 9:15am

Microsoft made significant investments in SharePoint 2013 in the area of Web Content Management (WCM). In this latest release WCM has been re-architected to leverage taxonomies for navigation and search and serving content directly out of the search index. In this demo-heavy session you will see how to create a WCM site, implement a managed navigation using taxonomies and surface content from across multiple data sources, how to implement a custom brand and leverage search to its fullest potential in creating rich and dynamic content-based sites!

■ SPH11 Intranet Case Studies – Intermediate
Michael Doyle
Thursday, November 21   11:00am – 12:15am

SharePoint provides a powerful platform to build intranets and it is one of the most common tools to do this across the world. Users go there to find the information they need to perform their day-to-day functions, from HR to Help Desk Wikis to Travel Request forms, and much more. The amount of time spent by employees on the intranet means that any improvements in design will go a long way to making users more efficient and happier. Employees should see the intranet as a useful tool, instead of a hindrance to find the information they need. This session looks at several real-life case studies and goes over what works and what can be improved. This includes branding, search, mega menus, and site design. SharePoint 2010 and 2013 will be covered.

You will learn:
• Best practices for intranets
• How to build mega menus
• How to target different language

■ SPH15 Who Says You Can't Do Records Management in SharePoint? – Intermediate / Advanced
John Holliday
Thursday, November 21   1:30pm – 2:45pm

Although records management features have steadily improved with each new SharePoint version, many industry observers are starting to express their doubts as to whether SharePoint is a viable platform for building real-world ERM solutions. This session will explore the enhanced RM capabilities of SharePoint 2013 and show how to leverage them to their full advantage. The session will also introduce several third-party tools that further enhance the platform to enable true enterprise-class content lifecycle management.

You will learn:
• Understand the records management capabilities of SharePoint

• Learn about the new records management features that have been added to SharePoint 2013
• Learn how to extend the platform to support enterprise-class content lifecycle management

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■ SPH19 Top 10 New ECM Features in SharePoint 2013 – Intermediate / Advanced
John Holliday
Thursday, November 21   3:00pm – 4:15pm

The Enterprise Content Management features in SharePoint have steadily improved with each new release of the platform. In this session, we will explore the top 10 new ECM features that have been added to SharePoint 2013, with an emphasis on NEW. The session will include demos that showcase real-world examples of how each feature can be used to enhance the overall user experience when working with email, collaborative documents, as well as official records.

You will learn:
• Learn about the new ECM features in SharePoint 2013
• Learn how ECM features have changed since SharePoint 2010
• Learn how to take advantage of ECM in the enterprise

DEVELOPING APPS AND SOLUTIONS FOR SHAREPOINT

This track is "for developers only," with sessions that focus on tools and methodologies for development in SharePoint 2013 and Office 365. Expert speakers will guide an exploration of patterns and practices, highlighting the capabilities of various development tools and addressing important considerations including application lifecycle management and the future of the cloud app model versus full-trust solutions. In addition, developers will find high-value sessions throughout the tracks of SharePoint Live! 360, where solution-specific development sessions are listed.

LIVE! 360
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Session Descriptions by Track, continued

■ SPM01 Workshop: Everything You Need to Know to Build SharePoint 2013 Apps! – Introductory / Intermediate
Kirk Evans
Monday, November 18   *8:00am – 5:00pm*

The new SharePoint 2013 app model introduces many new challenges and development techniques that require a different approach to building solutions than developers may have experience with. This session will focus on providing you the tools and techniques necessary to be successful building apps for SharePoint 2013. We will cover everything that a developer needs to know in order to be successful with the new app model including:

• App hosting models
• App identity and permissions
• App solutions on premise and in the cloud
• App architecture components
• App deployment

By leveraging these key concepts, this session will focus on creating solutions for SharePoint 2013.

• Using the SharePoint 2013 CSOM and REST APIs in apps
• Building solutions that use event receivers
• Understanding app design patterns
• Creating and deploying workflows
• Leveraging search with apps
• Consuming SharePoint's social features with apps
• Enumerating best practices for app development

After this session, developers will walk away confident in their ability to leverage the various tools and techniques for building apps in SharePoint 2013.

■ SPT01 Developing Your First SharePoint Application – Intermediate
Matthew DiFranco
Tuesday, November 19   *9:30am – 10:45am*

SharePoint 2013 changes the game for developing inside the SharePoint environment. In the past you could create web parts and pages that lived inside the SharePoint

application. This development was limited to working in C# or VB.Net and running in the context of SharePoint. The new model removes the boundaries; you can now develop your SharePoint Apps in any web based language, from PHP to HTML5 and JavaScript. These new apps can now be hosted locally in the SharePoint environment or in the cloud.

You will learn:
• Building your first SharePoint Application
• Communicating between SharePoint and your Application
• Auto Hosting with Azure
• Authenticating of your Application

■ SPT05 How to Develop and Debug Client Side Code – Introductory / Intermediate
Mark Rackley
Tuesday, November 19   *11:00am – 12:15pm*

Client Side Development is officially an essential skill for all SharePoint developers; however, with the lack of traditional compliers and debugging processes, many developers quickly grow frustrated and resent the Client Side Development experience. There is hope, though.

You will learn:
• The do's and don'ts for being an effective Client Side Developer
• Simple tricks that make developing and debugging JavaScript easier
• Be introduced to tools and plugins that can help bring JavaScript development closer to traditional managed code development

■ SPW05 Understanding OAuth in SharePoint 2013 – Advanced
Kirk Evans
Wednesday, November 20   *11:00am – 12:15pm*

The new SharePoint 2013 app model is the recommended approach for building solutions with SharePoint. The app model introduces OAuth for application identity and permissions. Understanding OAuth is essential for SharePoint

2013 developers because it forms the basis of how apps are granted permission to communicate with SharePoint. This session will focus on how OAuth works, how SharePoint 2013 uses OAuth to grant permissions to apps, and how to inspect information in the OAuth token for troubleshooting.

This session will focus on how OAuth works, how SharePoint 2013 uses OAuth to grant permissions to apps that may be different than the current user's permissions, and how to troubleshoot authentication and authorization for the new SharePoint 2013 app model. After this session, attendees will understand how to create apps that are able to perform tasks that the current user may not have permission!

■ SPW09 Lazy Client Side Dev – Let the Plugins Do the Heavy Lifting – Intermediate
Mark Rackley
Wednesday, November 20   *1:45pm – 3:00pm*

One of the bright spots for Client Side Development is the large number of options of plugin libraries that can bring your Client Side Applications to the next level in SharePoint and give the users the visuals and usability they crave. Critical knowledge for the modern SharePoint Developer is to know about various plugin options that are "SharePoint Friendly."

You will learn:
• Several powerful Client Side Libraries that work will with SharePoint
• Tips for choosing the write library for their needs
• To understand the options for storing data as objects in JavaScript in a manner that various libraries need

■ SPW13 SharePoint 2013 Workflows – Creating Custom Forms, Events and CSOM – Intermediate / Advanced
Andrew Connell
Wednesday, November 20   *4:00pm – 5:15pm*

By now you've likely already explored the new capabilities and architecture of workflow in SharePoint 2013 and Work-

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Session Descriptions by Track, continued

flow Manager. One of the more powerful and compelling things Microsoft has added in SharePoint 2013's workflow story is a client side object model for interacting with the workflow engine as well as creating custom forms. In this session you'll learn how to employ both of these to create custom association and initiation forms, as well as how to have a random form communicate with a currently running workflow using custom events.

■ SPW15 Old CRUD, New CRUD – Intermediate
Rob Wilson
Wednesday, November 20   *4:00pm – 5:15pm*

As business programmers, CRUD is at the center of what we do. Learn to write solutions that Create, Read, Update, and Delete SharePoint List Items for SharePoint 2010 solutions and the SharePoint 2013 app model. In this unique session, we will start with business requirements, explore multiple architectures, and develop the same solution multiple ways to help you understand the pros and cons of each approach.

You will learn:
• Understand the pros and cons of the various object models and learn when to use which one
• Develop the same real world CRUD solution using the server object model and the client object models
• Learn to leverage Visual Studio and the skills you already possess to develop CRUD solutions for SharePoint 2010, SharePoint 2013, and Office 365

■ SPH01 Introduction to Office 365 SharePoint Online Development – Intermediate
Matthew DiFranco
Thursday, November 21   *8:00am – 9:15am*

SharePoint online provides a new hosted platform that developers can rapidly build solutions to meet business needs. Using SharePoint Designer and Visual Studio you will learn to customize the SharePoint user interface, extend SharePoint, and build workflows.

You will learn:
• How to get started with SharePoint Online
• The tools for developing SharePoint Online
• To use JQuery in your SharePoint site
• The limitations of SharePoint Online

■ SPH05 "App-etize" Your SharePoint Solutions – Moving Your Solution to the SharePoint 2013 App Model – Intermediate / Advanced
Paul Schaeflein
Thursday, November 21   *9:30am – 10:45am*

Are you wondering what to do with your legacy SharePoint code when moving to SharePoint 2013 Apps? The App model removes server-side code from our toolbox, but adds many other tools. This session will port a SharePoint 2010 solution to SharePoint 2013. Come see what breaks and how to fix it. You won't want to miss this app-ortunity!

You will learn:
• Changes in supported approaches in SharePoint development
• New techniques for SharePoint application development
• Compatibility of legacy SharePoint components in SharePoint 2013

■ SPH09 Client Side Development – REST or CSOM? – Introductory / Intermediate
Mark Rackley
Thursday, November 21   *11:00am – 12:15pm*

Client Side Development in SharePoint is about much more than creating animated buttons and hiding fields on a page. Using the Client Side Object Model and REST, developers can create full blown applications that interact with SharePoint with many of the same results and traditional managed code development. However, which path should a developer choose? With all things in SharePoint "it depends."

You will learn:
• The pros and cons of CSOM
• The pros and cons of REST

• How to get started developing in both with easy to follow demos

■ SPH13 TypeScript Development in SharePoint – Intermediate / Advanced
Rob Bogue
Thursday, November 21   *1:30pm – 2:45pm*

SharePoint 2013 brings a radical shift towards HTML5 and JavaScript development, however, JavaScript was never designed for large scale development efforts. TypeScript is a language that is designed to address the large-project concerns of JavaScript. TypeScript compiles down to JavaScript and therefore can be used in any development process that uses TypeScript. In this session you'll see how to leverage TypeScript to create large-scale client applications.

You will learn:
• How TypeScript works
• Identify how to use TypeScript in a SharePoint project
• About debugging with TypeScript

■ SPH17 Application Identity: Getting Your Application the Permission it Needs – Advanced
Paul Schaeflein
Thursday, November 21   *3:00pm – 4:15pm*

Every operation attempted within SharePoint is subject to the security settings and policies that apply to the objects and principals involved. This session will review how to ensure your program can do what it needs and still keep the farm safe from unauthorized use. Topics covered include the new SharePoint 2013 OAuth model as well as full-trust solutions using the server API.

You will learn:
• Concepts of impersonation and elevation of privilege
• SharePoint 2013 application security model
• OAuth and High-Trust apps

Session Descriptions by Track, continued

SHAREPOINT, OFFICE 365 AND THE CLOUD

There's no doubt that "the cloud" will play a role in one, more, or all SharePoint workloads in your enterprise's future. "The cloud," though, is appropriately nebulous: it's online, in public forms like Office 365 and in private, dedicated offerings, including Windows Azure IaaS (Virtual Machines). It's onsite, in clouds provided by third parties, and in your own, on-premise datacenters. It's crucial that you understand the variety of options available in "the cloud," so that you can align your business needs with the best solution. And you must understand how SharePoint 2013 can be architected to scale efficiently to the cloud. As an IT pro, you must be able to configure SharePoint in the cloud, and as a developer, you must adapt to the new APIs and models of development in Office 365 and Azure. And as a business user or leader, you must guide your organization in making the right choice for each workload. Join the elite presenters for invaluable, first-hand guidance and insight.

■ SPT03 What's New in SharePoint 2013 for IT Pros – Introductory
Brian Alderman
Tuesday, November 19   *9:30am – 10:45am*

SharePoint Server 2013 can help you achieve new levels of reliability and performance, delivering features and capabilities that simplify administration, protect communications and information, and empower users while meeting their demands for greater business mobility. In this session you will learn more about what's new for IT Professionals in SharePoint Server 2013; and how its features and capabilities can help simplify administration, protect communications and information, and empower users.

You will learn:
• What's new for IT Pros from an architectural standpoint in SharePoint 2013

• The new farm level administrative features and functionality available in SharePoint 2013
• The new End User features and functionality that Administrators have to deploy, configure, and maintain

■ SPT07 How to Migrate 50,000 Site Collections to Office 365 – Introductory / Intermediate
Erica Toelle
Thursday, November 21   *11:00am – 12:15pm*

As organizations consider Office 365 as an option for hosting their SharePoint environments, you may find yourself asking how an enterprise can actually move a large number of SharePoint site collections to the cloud. In this session we will tell the story of a large scale SharePoint migration to Office 365 which started with several highly customized sites and multiple versions of SharePoint. We will also look at the project structure and plan, staffing, benefits and pitfalls, lessons learned, and how you can plan for a successful move to Office 365.

You will learn:
• How to plan for a large scale migration to Office 365
• The benefits and pitfalls of a move to the cloud
• The differences between SharePoint 2007, 2010 and 2013 that must be considered in any migration

■ SPT11 Identity in the Cloud – the Good, the Bad and the Ugly – Intermediate
Paul Schaeflein
Tuesday, November 19   *2:00pm – 3:15pm*

Cloud-based solutions can provide some substantial benefits to organizations. But like all solutions, there are risks and issues to identify and mitigate. Ensuring your data is safe is usually at the top of this list.

There are quite a few options for determining who is trying to access your resources, and determining the best fit for your organization can be quite daunting. This session will discuss identity providers available to SharePoint farms, along with their capabilities and limitations.

You will learn:
• Cloud identity concepts and standards
• Areas of risk
• Available identity providers

■ SPT15 To the Cloud! Utilizing AWS and Azure as Cloud Hosting Providers for SharePoint – Intermediate
Dan Usher & Scott Hoag
Tuesday, November 19   *4:15pm – 5:30pm*

To the cloud! This phrase seems to come up more and more often for organizations looking to reduce their SharePoint footprint in their data center. In this session Dan and Scott will give a brief overview of a few of the premier Infrastructure as a Service hosting providers for SharePoint, how SharePoint in the cloud stacks up against Office 365, and how to script an install on the Azure platform for development purposes.

You will learn:
• The core cloud concepts of IaaS, SaaS and PaaS
• How Azure and AWS EC2 differ and are similar in their product offerings as well as interfaces to the providers
• How to setup a SharePoint environment through script and web interfaces

■ SPW03 On-Site or in the Cloud – Introductory / Intermediate
Samuel Sabel
Wednesday, November 20   *9:15am – 10:30am*

SharePoint 2013 poses a challenging question for IT directors and SharePoint architects. Traditionally, the core questions regarding a SharePoint migration could be summarized as "when and how." With Office 365 as a new and viable option for hosting SharePoint in the cloud, "where" becomes a significant question. While there are very attractive motivating factors for going to the cloud, there are also serious risks and considerations that you'll have to assess.

You will learn:
• Accessing cloud vs. on-premise functionality
• Risk/Reward going cloud
• Cost consideration

Agenda At-A-Glance | (Sunday & Monday)

SQL Server Administration & Maintenance	SQL Server Performance Tuning and Optimization	SQL Server Tools, Tricks, and Techniques	SQL Server Features & Components	BI, Big Data and Data Visualization	SQL Server for the Developer	SQL Server in the Cloud

START TIME	END TIME	SQL Server Live! Pre-Conference: Sunday, November 17, 2013
4:00 PM	9:00PM	Pre-Conference Registration - Royal Pacific Resort Conference Center
6:00 PM	9:00 PM	Dine-A-Round Dinner @ Universal City Walk

START TIME	END TIME	SQL Server Live! Pre-Conference Workshops: Monday, November 18, 2013 (Separate entry fee required)		
6:30 AM	8:00 AM	Pre-Conference Registration - Coffee and Morning Pastries		
8:00 AM	5:00 PM	SQM01 - Workshop: The Data Warehousing Process in a Day - Design, Build, and Deliver - *Craig Utley*	SQM02 - Workshop: SQL Server Maintenance and PTO Crash Course - *Don Jones*	SQM03 - Workshop: SQL Server for Developers - *Leonard Lobel*
5:00 PM	7:00 PM	EXPO Preview		
7:00 PM	8:00 PM	Live! 360 Keynote: To Be Announced		

* Speakers and sessions subject to change

"...GETS RIGHT TO THE POINT ON TOPICS THAT ARE IMPORTANT TO A BROAD AUDIENCE OF SQL PROFESSIONALS."

– Clinton N Stevens, Managing Partner, Syntaltical LLC

Agenda At-A-Glance | (Tuesday)

SQL Server Administration & Maintenance	SQL Server Performance Tuning and Optimization	SQL Server Tools, Tricks, and Techniques	SQL Server Features & Components	BI, Big Data and Data Visualization	SQL Server for the Developer	SQL Server in the Cloud

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	SQL Server Live! Keynote: To Be Announced				
9:00 AM	9:30 AM	Networking Break • Visit the EXPO				
9:30 AM	10:45 AM	SQT01 - SQL Server 2012 Enterprise Features That Every Business Should Know - *Bradley Ball*	SQT02 - Introducing SQL Server Data Tools - *Leonard Lobel*		SQT03 - Analysis Services 2012 End-to-End - *Craig Utley*	SQT04 - Everything You Never Wanted to Know About Indexes, but Have to Know Anyway - *Don Jones*	
11:00 AM	12:15 PM	SQT05 - SQL Server 2014: A First Look at What's New! - *Bradley Ball*	SQT06 - Programming the T-SQL Enhancements in SQL Server 2012 - *Leonard Lobel*		SQT07 - Add It Up: Analysis Services Aggregations - *Craig Utley*	SQT08 - The Creepy DBA, How to Stalk Your Users - *Jason Strate*	
12:15 PM	2:00 PM	Lunch - Visit the EXPO				
2:00 PM	3:15 PM	SQT09 - HSQL Server 2014 "Hekaton" (a.k.a. In-Memory OLTP) Deep Dive - *Bradley Ball*	SQT10 - "What Did I Do?" T-SQL Worst Practices - *Pinal Dave*		SQT11 - Securing SSAS Data Without Tying Yourself in Knots - *Craig Utley*	SQT12 - DBA Task Automation: Unleash the PowerShell Hero in You! - *Michael Wells*	
3:15 PM	4:15 PM	Networking Break • Visit the EXPO				
4:15 PM	5:30 PM	SQT13 - Dealing With Errors in SSIS 2012 - *David Dye*	SQT14 - SQL Server Tracing for Developers - *Jason Strate*		SQT15 - An Overview of PowerPivot for Excel - *William E. Pearson III*	SQT16 - Using PowerShell to Quickly Deploy New SQL Server Instances - *Michael Wells*	
5:30PM	7:30 PM	Exhibitor Reception				

* Speakers and sessions subject to change

"GREAT MATERIAL! WILL BE USEFUL FOR WHAT I'M DOING AT WORK."

– Michael L Lively, Developer, Gaic

Agenda At-A-Glance | (Wednesday)

SQL Server Administration & Maintenance	SQL Server Performance Tuning and Optimization	SQL Server Tools, Tricks, and Techniques	SQL Server Features & Components	BI, Big Data and Data Visualization	SQL Server for the Developer	SQL Server in the Cloud

START TIME	END TIME	SQL Server Live! Day 2: Wednesday, November 20, 2013				
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries				
8:00 AM	9:00 AM	Live! 360 Keynote: To Be Announced				
9:15 AM	10:30 AM	SQW01 - Into the Wild...Taming Unstructured Data with Semantic Search - *Christopher Price*	SQW02 - Near Unlimited Scalability with SQL Azure Federations - *Arie Jones*	SQW03 - Through Gardens Overgrown: PowerPivot to Analysis Services 2012 Tabular - *William E. Pearson III*		SQW04 - Database Performance Tricks Every SharePoint Admin Must Know - *Pinal Dave*	
10:30 AM	11:00 AM	Networking Break • Visit the EXPO				
11:00 AM	12:15 PM	SQW05 - Integrating Reporting Services with SharePoint - *Kevin Goff*	SQW06 - Migrating to Windows Azure SQL Database - *Scott Klein*	SQW07 - Exploring Data with Data Explorer - *Steve Hughes*		SQW08 - Inside the Query Optimizer - *Bradley Ball*	
12:15 PM	1:45 PM	Round Table Lunch • Visit the EXPO				
1:45 PM	3:00 PM	SQW09 - Implementing a Tabular Data Model with Microsoft PowerPivot and Analysis Services - *Arman Saffarnia*	SQW10 - Troubleshooting and Monitoring Windows Azure SQL Databases - *Scott Klein*	SQW11 - Excel: An Analytics Superhub - *Andrew Brust*		SQW12 - Ancient Problems and Modern Solutions - Troubleshooting CPU - *Pinal Dave*	
3:00 PM	4:00 PM	Networking Break • Visit the EXPO • Expo Raffle @ 3:30 p.m.				
4:00 PM	5:15 PM	SQW13 - Planning and Configuring SQL and SharePoint 2013 Business Intelligence (PowerPivot and Power View) - *Arman Saffarnia*	SQW14 - The Absolute Beginner's Guide to Windows Azure SQL Database - *Kevin Goff*	SQW15 - Big Data 101 with HDInsight - *Andrew Brust*		SQW16 - To Be Announced	
8:00 PM	10:00 PM	Live! 360 Evening Event				

Speakers and sessions subject to change

Agenda At-A-Glance | (Thursday & Friday)

SQL Server Administration & Maintenance	SQL Server Performance Tuning and Optimization	SQL Server Tools, Tricks, and Techniques	SQL Server Features & Components	BI, Big Data and Data Visualization	SQL Server for the Developer	SQL Server in the Cloud

START TIME	END TIME	SQL Server Live! Day 3: Thursday, November 21, 2013				
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries				
8:00 AM	9:15 AM	SQH01 - Peer-to-Peer Replication: Real Life Implementation and Best Practices	SQH02 - Virtualizing SQL Server (Yes, You Can) - *Don Jones*	SQH03 - SSAS 911 - The Field Medic's Guide to Performance Tuning Analysis Services - *Christopher Price*		SQH04 - The Transaction Log and How It Affects High Availability and Disaster Recovery - *Edwin Sarmiento*
9:30 AM	10:45 AM	SQH05 - Fundamentals of SQL Server AlwaysOn Availability Groups - *Edwin Sarmiento*	SQH06 - Column Level Encryption in SQL Server - *David Dye*	SQH07 - SQL Server 2012 Columnstore Index - *Kevin Goff*		SQH08 - Performance Tuning When It Isn't Your Database - *Don Jones*
11:00 AM	12:15 PM	SQH09 - Architecting a SQL Server AlwaysOn Availability Groups Topology - *Edwin Sarmiento*	SQH10 - Implementing Auditing in SQL Server 2012 - *David Dye*	SQH11 - What's new in SQL Server Integration Services 2012 - *Kevin Goff*		SQH12 - To Be Announced
12:15 PM	1:30 PM	Lunch				
1:30 PM	2:45 PM	SQH13 - A Window into Your Data: Using SQL Window Functions - *Steve Hughes*	SQH14 - Designing and Managing a SQL Server Replication Topology - *Chad Churchwell*	SQH15 - Utilizing Knowledge with Data Quality Services in SQL Server 2012 - *Arie Jones*		SQH16 - Troubleshoot SQL Server Performance Issues using Wait Statistics - *Edwin Sarmiento*
3:00 PM	4:15 PM	SQH17 - O, There's My Data, OData for Data Guys - *Steve Hughes*	SQH18 - Managing SQL Server in the Enterprise - *Chad Churchwell*	SQH19 - MDS in Practice: An Integrated Approach - *Christopher Price*		SQH20 - SQL Server Query Performance Tuning: A 12-Step Process - *Scott Klein*
4:30 PM	5:45 PM	Live! 360 Conference Wrap-up				

START TIME	END TIME	SQL Server Live! Post-Conference Workshops: Friday, November 22, 2013 (Separate entry fee required)	
7:00 AM	8:00 AM	Registration - Coffee and Morning Pastries	
8:00 PM	5:00 PM	SQF01 - Workshop: Cloud Ready: Preparing Yourself for Azure SQL Databases - *Arie Jones*	SQF02 - Workshop: Big Data and NoSQL for Database and BI Pros - *Andrew Brust*

* Speakers and sessions subject to change

SQL Server Live! Workshops

■ SQM01 Workshop: The Data Warehousing Process in a Day - Design, Build, and Deliver
– Introductory / Intermediate
Craig Utley
Monday, November 18   8:00am – 5:00pm

Are you interested in starting a data warehousing project but are unsure of the necessary steps, including the pitfalls you'll need to avoid? Join Craig Utley for a full-day session that walks through the entire process of data warehousing. You'll learn to design a dimensional model to address a business issue, design the ETL (extraction, transformation, and loading) to load the dimensional model, build an Analysis Services cube from the dimensional data, and then deliver the data using a variety of tools to support diverse user needs. Craig Utley has been working with the Microsoft BI stack since the betas of SQL Server 7.0 and is a former Program Manager with the Microsoft SQL Server Customer Advisory Team (SQLCAT), where he worked with some of the world's largest SQL Server data warehouses. This session will not only show you how to build a warehouse, but will also discuss best practices and pitfalls.

You will learn:
• How to design the dimensional model that is at the heart of you BI solution
• Understand the entire BI creation process
• How to build a BI solution and deliver value to the business

■ SQM02 Workshop: SQL Server Maintenance and PTO Crash Course
– Introductory / Intermediate
Don Jones
Monday, November 18   8:00am – 5:00pm

Stuck supporting SQL Server because you're the "Microsoft person" in your shop? Not looking to become a "DBA," but still need to maintain SQL Server? Are you mainly support-ing SQL Server as a back-end to a third-party application, and have no control over the application code or queries? This is the (non-hands-on) workshop for you. Longtime

SQL Server instructor Don Jones brings you JUST what you need to know to keep SQL Server up and running – along with a serious look at what you can actually do (and mustn't touch) when supporting a third-party database application. Learn about performance tuning, backup and recovery, indexes and index tuning, storage optimization, and much more. It's a great way to kick off your SQL Server Live! expe-rience, and gain the background information you'll need to really leverage other courses at the conference!

You will learn:
• Learn key maintenance tasks
• Automate maintenance for hands-off, worry-free operations
• Tune indexes and storage for maximum performance

■ SQM03 Workshop: SQL Server for Developers – Intermediate
Leonard Lobel
Monday, November 18   8:00am – 5:00pm

Developer Dive into SQL Server 2012
This full-day workshop will get you up to speed on powerful new features for developers in SQL Server 2008, SQL Server 2008 R2, and SQL Server 2012. Lenni will pull no punches as he rips through the most important SQL Server program-mability points in this intensive demo-packed tour.

Part 1—SQL Server Data Tools (SSDT). We'll start with an introduction to SQL Server Data Tools (SSDT), the new database development environment for SQL Server in Visual Studio, and then dive right into extensive demos that showcase the most important SSDT features. Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and SQL Azure databases. In addi-tion to replicating most of the developer-specific function-ality found in SSMS, you will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model—indispensable tools previously available only for application development in Visual Studio. We'll also cover the new declarative model that allows you to design databases offline and under source control right from within Visual Studio.

Part 2—T-SQL Features. Next, we'll explore the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML, which enhances your ability to capture change data from the OUTPUT clause of any DML statement. Work with the latest date and time data types, which include support for time zone awareness. Then learn about the newest T-SQL enhancements in SQL Server 2012, such as windowing (OVER clause) enhancements, running and sliding aggregates, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

Part 3—Beyond Relational. Then we'll examine the power-ful "beyond relational" features, including the latest additions in SQL Server 2012. These features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system. Learn how to use the hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM and FileT-able to discover how you can finally enjoy the native ability to store large binary objects in the file system transparently. We'll also cover the geospatial data types that enable you to integrate location-intelligence into the database, and build several location-aware applications on top of these new data types. We'll also cover the rich XML support provided by the relational engine, including XSD, XPath, and XQuery.

Part 4—Enterprise Features. We'll wrap up with power-ful enterprise-level data warehousing and security features including Change Data Capture, SQL Server Audit and Transparent Data Encryption. With Change Data Capture (CDC), you can monitor and record changes made to trans-actional tables without requiring any application changes or resorting to triggers. Enabling Transparent Data Encryption (TDE) automatically encrypts the entire database in the background, without increasing database size, and without requiring any code. And with SQL Server Audit, virtually any action taken by any user can be recorded for auditing in either the file system or the Windows event log.

SQL Server Live! Workshops, continued

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

■ SQF01 Workshop: Cloud Ready: Preparing Yourself for Azure SQL Databases – Intermediate
Arie Jones
Friday, November 22   *8:00am – 5:00pm*

The cloud is coming and now is the time for database administrators and developers to embrace this new and exciting platform. This full day session will bring you up to speed on Microsoft's implementation of a cloud based database solution known as Windows Azure SQL Database and the many facets that this data tier encompasses. You will learn not only about all the good things in the Cloud but also some of the possible pitfalls and how you can avoid or get around them. First we will delve into the architecture of the Azure SQL platform and the advantages and disadvantages over more traditional on-premise environments. Next we will take a deep dive into the development, deployment, and administration aspects involved in a typical Azure SQL environment. Then we will look at how you can overcome typical problems with large or multi-tenant environments by utilizing Azure Federations to elastically scale your database solution. Once you understand the database basics, we will look at enhancing your solutions by leveraging other external entities like Storage Services, Data Sync, and Azure SQL Reporting. Along the way we will be using real life code, demos, and use cases to firmly ground your learning in reality and separate fact from fiction in regards to cloud based solutions. If you are looking for a one day event that can get you up to full speed on the entire platform then this is the session for you!

You will learn:
• To be design, deploy, and administer a SQL Azure based solution
• Azure Storage Services(Tables, Blobs, & Queues)
• Advanced tools like Azure Federations, Data Sync, and SQL Reporting in order to scale out solutions

SQL Server Live! Session Descriptions by Track

■ SQF02 Workshop: Big Data and NoSQL for Database and BI Pros
Andrew Brust – Intermediate
Friday, November 22   *8:00am – 5:00pm*

These days, it's difficult to visit a technology Web site – or even a mainstream news site – and not read a story about Big Data. Big Data is at the top of its hype cycle: it's seemingly everywhere, and even Microsoft is getting into the game.

But what is Big Data really about? What about its sidekick, NoSQL? And how is any of it germane to business analytics, especially for database administrators, developers, and business intelligence specialists working in enterprise environments? Can Java-based, open-source software such as Apache Hadoop, which runs mostly on Linux, be relevant to SQL Server professionals supporting their organization's analytics efforts? And if it is relevant, how can we cross-train into this strange new world?

There's good news here, I promise. Much of this technology now runs on Windows, and Microsoft has created tools that make it usable from Visual Studio, Excel, and Microsoft BI. Even more important, working with these technologies in non-Microsoft environments is approachable as well. All you need is a proper introduction to Hadoop, NoSQL, and related technologies that is free of hype and explained in terms a relational database or BI professional can understand.

That's exactly what you'll get in this full-day workshop, as Andrew Brust – a longtime SQL Server author and Microsoft BI influencer who also covers Big Data for ZDNet – shows you the ropes. You'll learn new skills that are in strong demand in the BI/BA world – and actually understand what you learn. It will be exciting, manageable...and fun. You can do this – come see for yourself.

You will learn:
• The four sub-groups of NoSQL database
• How Hadoop works, through looks at three different Hadoop distributions

• How to integrate Microsoft BI with Hive and Hadoop
• How NoSQL and Big Data tie together

SQL SERVER ADMINISTRATION AND MAINTENANCE
Looking to brush up on SQL Server administration fundamentals? Are you a "reluctant DBA" charged with supporting SQL Server – and given no training? SQL Server Live! is here to help, with a complete selection of core maintenance topics: Indexing, backup and recovery, monitoring, task automation, PowerShell, virtualization, and more!

■ SQT04 Everything You Never Wanted to Know About Indexes, but Have to Know Anyway – Intermediate
Don Jones
Tuesday, November 19   *9:30am – 10:45am*

SQL Server indexes are an absolutely crucial part of SQL Server performance - but do you know how they REALLY work? Like, under the hood? Index and PTO geek Don Jones takes you on a backstage tour of indexes. You'll learn about B-trees, clustered and non-clustered indexes (separating myth from fact), how indexes consume storage and become fragmented, and how - over time - index design MUST be revisited and revised on ANY database.

You will learn:
• Choose the right kind of index (there's more than two!)
• Learn WHY and HOW index maintenance becomes necessary
• Get hard numbers on index tuning and maintenance

Session Descriptions by Track

■ SQT08 The Creepy DBA, How to Stalk Your Users – Intermediate
Jason Strate
Tuesday, November 19   *11:00am – 12:15pm*

Do you know when your users are using the production login accounts from their workstations? Are you aware of changes being made to the development servers that may impact future deployments? Has the new Junior DBA start giving out access like candy? As DBAs, we are responsible for knowing and acting on all of this and much more. Fortunately, SQL Server provides a number of features that you can use to monitor and track user activity. In this session, we'll look at these features and demonstrate how you can use them to the extent that your users find you creepy!

You will learn:
• Define the responsibilities required of DBAs
• Discuss methods to monitor activity on SQL Servers
• Demonstrate tools available to "stalk" your users

■ SQT12 DBA Task Automation: Unleash the PowerShell Hero in You!
Michael Wells
Tuesday, November 19   *2:00pm – 3:15pm*

As DBAs, we constantly have to stretch our time and budget resources, and the best way to keep up with demands is through process automation. Workflow and PassThru parameters are just two of the features that will allow you to turn complex tasks into simple, repeatable, automated processes easier than you would have ever dreamed possible. And if you've had trouble with PowerShell in the past, the auto-completion and eager loading of modules will make your transition to PowerShell hero even simpler. Come see how mid-tone blue can help take your skills to the next level.

You will learn:
• New features in PowerShell v3 and the new PowerShell ISE
• How those features can be applied to make regular DBA tasks automated and repeatable
• Real-world scripts that they can use within their own environment.

■ SQT16 Using PowerShell to Quickly Deploy New SQL Server Instances
Michael Wells
Tuesday, November 19   *4:15pm – 5:30pm*

As much as you love SQL Server, do you cringe whenever you hear you'll need to stand up yet another SQL Server instance? Sure it's fun, but who has the time? Maybe you've thought there must be a better way of doing this. You can generate an unattended install file, but what about all the other tasks that will need to be done?

In this session, we'll explore a process that was created to truly automate not just the SQL Server install, but all the configurations and the deployment of your organization's standard objects all using a free, open-source set of PowerShell scripts that you can download and use today. This session will review the process that has saved hundreds of hours and ensures a SQL Server instance that meets your company's standards.

You will learn:
• Multiple methods of automating tasks with PowerShell scripts.
• Detailed explanation of a real-world example of an automation framework
• Have access to the code, which they can take back and immediately begin using within their environment

■ SQH02 Virtualizing SQL Server (Yes, You Can) – Intermediate
Don Jones
Thursday, November, 21   *8:00am – 9:15am*

Is it safe to virtualize SQL Server? Yes! If you don't screw it up, that is. And just about everyone does. In this concise session, you'll get the hard facts on SQL Server virtualization – whether you're using Hyper-V, vSphere, Xen, or anything else – along with a simple checklist of what to do, and what NOT to do, to maintain SQL Server performance levels. You'll also get monitoring tips and tricks, and some advice about using virtualization for high availability that you may not have previously considered.

You will learn:
• Learn what to NEVER do when virtualizing SQL Server
• Discover hidden benefits of virtualization for SQL Server

■ SQH06 Column Level Encryption in SQL Server – Introductory
David Dye
Thursday, November, 21   *9:30am – 10:45am*

This session focuses on using T-SQL to natively encrypt data in a SQL Server database. SQL Server 2005 introduced cryptographic services native to SQL Server which provides the ability to encrypt data natively without having to rely on client side code or extended stored procedures. The primary focus of this session will be to provide real life examples of when and how to encrypt data natively in SQL.

You will learn:
• Architecture of cryptographic services in SQL Server
• To create and back up a master key
• To create a certificate using T-SQL
• To encrypt and decrypt data using T-SQL

■ SQH10 Implementing Auditing in SQL Server 2012 – Introductory
David Dye
Thursday, November, 21   *11:00am – 12:15pm*

SQL Audit provides the ability to track and log activities and changes at the instance or database level built upon SQL Audit Extended Events, which provides both synchronous and asynchronous capabilities. The granularity of events that can be monitored and tracked with SQL Audit can only be matched by means of using a SQL Profiler trace, but provides reduced overhead. This presentation will provide insight into the internals of SQL Audit, along with how to plan, create, and monitor instance and database level audits.

You will learn:
• Different technologies available in SQL Server to audit
• To implement auditing in SQL Server
• To create a server audit specification
• To create a database audit specification

SQL Server LIVE!

TRAINING FOR DBAs AND IT PROS

ORLANDO, FL | NOVEMBER 18-22, 2013

LOEWS ROYAL PACIFIC RESORT
AT UNIVERSAL ORLANDO

LIVE! 360
IT EVENTS WITH PERSPECTIVE

Session Descriptions by Track, continued

■ SQH14 Designing and Managing a SQL Server Replication Topology
– Intermediate
Chad Churchwell
Thursday, November, 21   *1:30pm – 2:45pm*

This session is focused on design and architectural decisions when choosing replication as a technology to use within your organization. We will cover all the moving pieces involved with replication, the internal architecture of how replication works, as well as describing the agents in detail. One will also learn what replication is intended to do as well as what it is not a good fit for. I will cover the new SQL 2012 support enhancements as well as combining with AlwaysOn Availability groups to protect your replication environment to ensure minimal downtime. I will also cover monitoring and alerting on replication errors and latency to ensure accurate data.

You will learn:
• How replication works behind the scenes and architecturally to better prepare yourself with knowledge to manage a replicated environment.
• How to be proactive and use best practices for monitoring and alerting of replication issues when they arise as well as how to resolve common replication errors.
• How replication can be used with a high availability technology to ensure protection of your mission critical systems

■ SQH18 Managing SQL Server in the Enterprise – Intermediate
Chad Churchwell
Thursday, November, 21   *3:00pm – 4:15pm*

This session is intended to provide insight on how to achieve consistency and provide management with minimal overhead of a large scale SQL Server enterprise environment. Topics discussed will be utilizing a Central Management Server for centralized reporting and administration, utilizing Policy Based Management for enforcement of corporate standards and configurations, as well as installation topics to provide a consistent SQL Server install from server to server. When your enterprise is consistent, it makes life as a database administrator much easier, even in the largest of enterprises.

You will learn:
• How to use a Central Management Server for registration and centralized reporting and alerting
• How to enforce corporate and coding policies using Policy Based Management, where these are declared once and evaluated across your enterprise
• How to standardize your SQL Server installations for consistency across the enterprise

SQL SERVER PERFORMANCE TUNING AND OPTIMIZATION
Get the most from SQL Server – even if it's hosting a third-party application database! Learn the insider tricks to performance tuning, covering the Query Optimizer, CPU issues, transaction logs, monitoring, and much more. SQL Server Live! helps you maximize your SQL Server investment!

■ SQW04 Database Performance Tricks Every SharePoint Admin Must Know – Introductory / Intermediate
Pinal Dave
Wednesday, November 20   *9:15am – 10:30am*

This session is for all the SharePoint Professionals who want their server to perform at blazing fast speed but want to invest very little time to make it happen. We will go over various database tricks which require absolutely no time to master and practically no SQL coding at all. After attending this session, Developers will only need 60 seconds to improve performance of their database server in their SharePoint implementation.

You will learn:
• Basics of Indexes
• Basics of Performance Tuning
• Advanced Tips and Tricks for Optimization

■ SQW08 Inside the Query Optimizer – Intermediate / Advanced
Bradley Ball
Wednesday, November 20   *11:00am – 12:15pm*

When it comes to SQL Server one of the biggest requests you hear is "How can I make my Query Run FASTER!?" The answer: understanding the first step in that process is understanding the Query Optimizer. Understanding the Optimizer beings with knowing the Rules. The way our queries are written reflect directly on the output that we get. In this session we will look at the rules in SQL Server, write queries to show those rules in action, and walk out with a better understanding of how the Optimizer works.

You will learn:
• The stages and processes involved with Optimization.
• How the Query Optimizer Rules affect Execution Plan outcomes
• How the Optimizer Rules can be used to your advantage

■ SQW12 Ancient Problems and Modern Solutions – Troubleshooting CPU – Introductory / Intermediate
Pinal Dave
Wednesday, November 20   *1:45pm – 3:00pm*

This is the session for you to attend. Many believe Performance Tuning and Troubleshooting is an art which has been lost in time. The truth is that art has evolved with time and there are more tools and techniques to overcome ancient troublesome scenarios. In this session we will focus on High CPU scenarios detection and their resolutions. At the end of the session you will have clear ideas and action items regarding what to do when facing any of the above resource intensive scenarios.

You will learn:
• Basics of Indexes
• Basics of Performance Tuning
• Advanced Tips and Tricks for Optimization

Session Descriptions by Track, continued

■ SQH04 The Transaction Log and How It Affects High Availability and Disaster Recovery – Intermediate / Advanced
Edwin Sarmiento
Thursday, November 21 8:00am – 9:15am

When choosing the appropriate SQL Server High Availability and Disaster Recovery (HA/DR) solutions, it is important to understand the SQL Server Transaction Log as it affects any solution you choose. In this session, we will look at transaction log basics, how logging and recovery works and how it affects all of the HA/DR solutions available in SQL Server. You'll be surprised to know that the transaction log is the most important part of your database.

You will learn:
• How the transaction log works
• How the transaction log affects all of the SQL Server HA/DR solutions that you choose
• How to properly take care of the transaction log for performance and HA/DR

■ SQH08 Performance Tuning When It Isn't Your Database – Introductory / Intermediate
Don Jones
Thursday, November 21 9:30am – 10:45am

So you're stuck maintaining SQL Server, which is being used as the back-end for an application someone else wrote. You don't have access to the code. You can't change the queries. You're scared to do ANYTHING more complicated than backups, because you don't want to break anything. But... performance is lagging. What can you safely do to tune performance without risking application downtime? Believe it or not... quite a bit! You'll learn all about it in this concise session.

You will learn:
• Discover application self-maintenance routines to determine what's safe to touch
• Tune indexes, server configuration, storage, and other key performance areas

• Learn how to capture critical performance problems to report to the application vendor or developer

■ SQH16 Troubleshoot SQL Server Performance Issues using Wait Statistics – Intermediate / Advanced
Edwin Sarmiento
Thursday, November 21 1:30pm – 2:45pm

Have you ever scratched your head trying to figure out what is causing performance issues in your SQL Server databases? In this session, we will look at uncovering your SQL Server's performance issues by learning about wait statistics. We will look at SQL Server wait statistics and how we can troubleshoot performance problems using this methodology from finding the root cause to resolving the issues.

You will learn:
• The importance of SQL Server Wait Statistics in performance tuning and optimization
• About what wait statistics are
• To apply performance troubleshooting methodology using wait statistics

■ SQH20 SQL Server Query Performance Tuning: A 12-Step Process – Intermediate
Scott Klein
Thursday, November 21 3:00pm – 4:15pm

Performance tuning is complex; it's hard to know which knob to turn or button to press that will give you the biggest performance boost. If you have ever been handed a query and told to "make it go", these 12 steps will help you break down performance tuning easy to digest pieces that anyone can accomplish. You will learn what actions to take when you get back to work and are handed a query to tune for the first time.

You will learn:
• Steps involved in the query tuning process
• How to read an execution plan
• Tips and tricks for writing faster queries

SQL SERVER TOOLS, TRICKS, AND TECHNIQUES
Cement your "guru" status with SQL Server Live! tricks, tips, and techniques for maximizing SQL Server as part of a SharePoint Server installation. Learn about data integration, BI integration and more!

■ SQT02 Introducing SQL Server Data Tools – Intermediate
Leonard Lobel
Tuesday, November 19 9:30am – 10:45am

Application developers just got a brand new database development environment! With the release of SQL Server 2012, the new SQL Server Data Tools (SSDT) serves as your primary development environment for building Windows and Web applications on top of SQL Server. While SQL Server Management Studio (SSMS) continues to serve as the primary tool for database administrators, SSDT plugs in to Visual Studio as a new database project type designed specifically for the .NET application developer.

With SSDT, developers can finally enjoy building database applications without constantly switching between Visual Studio and SSMS. In this session, Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and Windows Azure SQL Database. In addition to replicating most of the functionality found in SSMS, you will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model's indispensable tools previously available only for application development in Visual Studio. We'll also cover the new declarative model that allows you to design databases offline and under source control right from within solution in Visual Studio. Don't miss out on this demo-centric information-packed session on the new generation of database tools for application developers!"

You will learn:
• The declarative model-based approach used in the new generation of SQL Server tools for developers

• Understand the new tooling (explorer, designers, schema compare, local database runtime, language services, debugging, and buffered editing)
• See live demonstrations of how to design, test, and deploy on-premises databases, offline database projects, and Windows Azure SQL Database in the cloud all from inside Visual Studio

■ SQT06 Programming the T-SQL Enhancements in SQL Server 2012 – Intermediate
Leonard Lobel
Tuesday, November 19   *11:00am – 12:15pm*

In this informative and demo-packed session, Lenni will guide you through the T-SQL enhancements in the very latest release of SQL Server. We'll dive into powerful new windowing enhancements with the OVER clause, new T-SQL functions (all 22 of them!), improved error handling with THROW, server-side paging with OFFSET/FETCH NEXT, sequence generators, rich metadata discovery techniques, and contained databases. If you want to learn the new T-SQL enhancements in SQL Server 2012, you won't want to miss out on this session!

You will learn:
• New T-SQL features in SQL Server 2012
• Examine 22 new T-SQL functions, including 8 new analytic windowing functions
• Explore OVER, THROW, OFFSET, metadata discovery, and contained databases

■ SQT10 "What Did I Do?" T-SQL Worst Practices – Introductory / Intermediate
Pinal Dave
Tuesday, November 19   *2:00pm – 3:15pm*

"Oh My God! What did I do?" Chances are you have heard, or even uttered, this expression. This demo-oriented session will have many examples where developers were dumb-founded by their own mistakes. The goal of this session is to learn which small details can be dangerous to the production environment and SQL Server as a whole. We will talk about

common bad habits and how to avoid them. There is good chance you will remember your early days during the session. Learning some of these tricks may save your current job.

You will learn:
• Writing Optimal Tips and Tricks
• Basics of Indexes
• Basics of Performance Tuning

■ SQT14 SQL Server Tracing for Developers – Introductory / Intermediate
Jason Strate
Tuesday, November 19   *4:15pm – 5:30pm*

Developers are often on the receiving end for poor database performance. To combat this practice, developers need access to a set of tools that they can use to investigate the problems that they encounter. These can be as simple as investigating queries with simple performance issues to more complex issues, such as identifying the causes for connection timeouts. In this session, we'll explore the tools available for tracing and information on how to get access to those tools.

You will learn:
• Explanation of issues with tracing for developers
• Introduction to extended events platform
• Walk-through to scripting and using GUI to create extended event sessions
• Demonstration of information available through extended events

■ SQW09 Implementing a Tabular Data Model with Microsoft PowerPivot and Analysis Services
Arman Saffarnia
Wednesday, November 20   *1:45pm – 3:00pm*

Microsoft PowerPivot technologies empower information workers and business intelligence (BI) professionals by delivering in-depth, up-to-date insights through familiar business tools.

PowerPivot for Microsoft Excel empowers information workers and BI professionals to create powerful, sophisti-cated reports that can dynamically group, sort, and recalculate data at the click of a button. PowerPivot for Microsoft SharePoint 2013 provides a platform for sharing PowerPivot for Excel workbooks with a wider audience, helping to promote collaboration and enable consistent and accurate decision making through central governance of key business information.

With Microsoft SQL Server 2012, you can install Analysis Services in Tabular mode and create Tabular data models that information workers can query with any Analysis Services client, including Microsoft Excel and Power View. This session describes Analysis Services Tabular data models and explains how to develop one using SQL Server Data Tools. It also describes Analysis Services Tabular data model projects, the workspace database, partitions, Tabular data model security and more.

You will learn:
• Key features and benefits of Tabular data models and PowerPivot technologies
• Understand the process of creating a PowerPivot for Excel workbook, and sharing one to a SharePoint PowerPivot Gallery, and querying one directly
• About Analysis Services Tabular data model projects
• Understand the process of implementing an Analysis Services Tabular data model using SQL Server Data Tools

■ SQW13 Planning and Configuring SQL and SharePoint 2013 Business Intelligence (PowerPivot and Power View) – Intermediate
Arman Saffarnia
Wednesday, November 20   *4:00pm – 5:15pm*

Business Intelligence (BI) continues to be an important area for large enterprise organizations. The key to successful BI is the ability to integrate the components that deliver the right information, to the right people, at the right time. SharePoint Server 2013 Enterprise Edition provides a range

of integrated solutions that enable both users and administrators across an organization to develop BI solutions to fit their business requirements. These BI tools extend beyond SharePoint to provide consistent information management from personal data analysis environments, which use Office Excel, through to departmental or organizational data repositories, which use SQL Server Reporting Services (Power View) and SQL Server Analysis Services (SSAS), and Power Pivot.

You will learn:
• How SharePoint 2013 can deliver BI solutions for your business
• SharePoint BI architecture, its components, and how to identify BI opportunities in your organization
• To plan, deploy, and manage the core SharePoint 2013 BI services
• Review the advanced BI options available with SharePoint 2013 and Microsoft SQL Server 2012

SQL SERVER FEATURES AND COMPONENTS

SQL Server is more than just a database engine – it's a powerful platform for data management. Master its breadth and depth with SQL Server Live! content on enterprise features, "Hekaton" in-memory OLTP, SSIS, Semantic Search, replication, AlwaysOn, and more.

■ **SQT01 SQL Server 2012 Enterprise Features That Every Business Should Know** – Intermediate
Bradley Ball
Tuesday, November 19   9:30am – 10:45am

The latest round of licensing increases has made us examine the use of Enterprise Edition SQL Server closer than ever! Many shops have been using Enterprise Edition for years without ever using any Enterprise Level Features. In this

session we will discuss different SQL Server Enterprise level features, how you would use them, and why you should be using them. AlwaysOn, Online Index Rebuilds, Compression, Encryption, Resource Governor, and more! There are things to consider such as hardware and software support, as well as some built in gotcha's that everyone should know!

You will learn:
• Always On Availability Groups and how they can be utilized at an Enterprise level
• Online Index Rebuilds, Parallel DBCC CheckDB Scans, and Parallel index rebuilds and how they reduce downtime and maintenance windows.
• Data Compression, Transparent Data Encryption, and Resource Governor all at a high level

■ **SQT05 SQL Server 2014: A First Look at What's New!**
– Intermediate / Advanced
Bradley Ball
Tuesday, November 19   11:00am – 12:15pm

Microsoft has announced that the next version of SQL Server will be SQL Server 2014. SQL Server 2012 had some major upgrades in AlwaysOn Availability Groups, ColumnStore Indexes, and Resource Governor Caps. SQL 2014 takes those features to the next level and introduces a whole lot more! Rebuild Indexes and Statistics by Partition? Yes! A new Optimizer/Cardinality Estimator that you can choose for your Queries? Yes! Hekaton in memory data tables that exist separate to the buffer pool and use HASH indexes instead of B-TREE? YES! Plus SSD Buffer Pool Extensions, Read-Write ColumnStore Indexes and much more!

You will learn:
• What the new version of SQL Server 2014 will have as available features.
• A very solid understanding of What is currently available for testing in current CTP's and what we can expect in the future
• Hekaton and the architectural changes it will bring to SQL Server

■ **SQT09 HSQL Server 2014 "Hekaton" (a.k.a. In-Memory OLTP) Deep Dive** – Advanced
Bradley Ball
Tuesday, November 19   2:00pm – 3:15pm

Microsoft has announced that SQL Server 2014 (the next version of the product) will finally enter the In-Memory Table market via project "Hekaton:" In-Memory OLTP tables. With this new technology comes a lot of questions! How does it work, how are records stored in memory, how are they stored on disk? Better yet are they stored on disk? What are hash tables, how to do you query them, how do queries work internally, what do we need to change and what are the limitations? How does Hekaton work on SQL restart (Redo & Undo), with Clustering, or with AlwaysOn AG's? You have questions and in this Deep Dive into Hekaton we'll cover all the answers.

You will learn:
• Memory record structures as well as the way that Hekaton is loaded into memory on SQL Restart (Redo and Undo)
• On disk structures for Hekaton, and review Hash Indexes
• How Hekaton works with HA/DR technologies such Clustering and Availability Groups
• How to use Hekaton using regular queries and special memory optimized stored procedures, as well as what transaction isolation levels are compatible with one another

■ **SQT13 Dealing With Errors in SSIS 2012** – Introductory
David Dye
Tuesday, November 19   4:15pm – 5:30pm

Errors can occur anywhere within an SSIS package and the cause and error message can be somewhat cryptic. This session focuses on identifying error causes and handling them dynamically and proactively. The means of dealing with errors is defined by where the error occurs and we will cover error handling in control flow, data flow, and script tasks in great detail.

Session Descriptions by Track, continued

You will learn:
• To identify the different error handling methods in control flow, data flow, and script tasks
• Be able to utilize event handlers to proactively handle errors
• Be able to redirect data error and proactively handle data flow errors
• Be able to identify error descriptions and log error details

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■ SQW01 Into the Wild...Taming Unstructured Data with Semantic Search – Introductory / Intermediate
Christopher Price
Wednesday, November 20   *9:15am – 10:30am*

There is runaway growth in the data volumes many organizations are facing today. The bad news is that much of this data is unstructured which means your traditional RDBMS just isn't capability of helping you deal with it. As a result significant emphasis has been put on technologies like Hadoop, No SQL and other distributed databases which are better suited to handling unstructured data. With the latest release SQL Server 2012 however, Microsoft has provided new features which will help tame some of this unstructured data. This session will dive into the new FileTable and Statistical Semantic Search features. We will show you how they work and highlight real world examples for integrating these exciting new features into your organization.

You will learn:
• FileTables and their Use Cases
• Full-Text and Statistical Semantic Search
• Real-world integration options, common patterns and best practices

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■ SQW05 Integrating Reporting Services with SharePoint – Intermediate
Kevin Goff
Wednesday, November 20   *11:00am – 12:15pm*

Have you ever seen a SharePoint site that integrates reports from SSRS, and wonder how all the pieces fit? If so, this session is for you. I'll cover the necessary integration/configuration steps for integrating SSRS 2008R2/SSRS 2012 with SharePoint 2010/2013, as well as deploying reports to a SharePoint location. Along with that, I'll show how you can define SSRS as a service application inside of SharePoint. I'll also show how to integrate SSRS reports into SharePoint/PerformancePoint Services dashboard pages, as well as how to schedule reports for delivery to SharePoint document libraries. You'll see the improvements from Microsoft that make reporting against SharePoint lists much easier than before. Finally, time permitting, I'll show the new Data Alerts feature in SharePoint.

You will learn:
• The requirements (and differences) in deploying reports using SQL 2008R2 or 2012 with SharePoint 2010 and 2013, as they are different for each combination (I'll have a feature matrix)
• How to schedule reports for delivery to SharePoint document lib

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■ SQH05 Fundamentals of SQL Server AlwaysOn Availability Groups
Edwin Sarmiento
Thursday, November 21   *9:30am – 10:45am*

Almost every SQL Server DBA wants to get their hands on implementing SQL Server 2012 AlwaysOn Availability Groups. Sure, it's easy to setup and configure. But we can't ignore the basics. In this session, we will look at the underlying concepts behind AlwaysOn Availability Groups – how it works under-the-covers and how you can leverage this information to efficiently design a highly available database.

You will learn:
• How Windows Server Failover Clustering and Database Mirroring works
• How these two technologies form the foundation for understanding AlwaysOn Availability Groups
• How to efficiently design a highly available database using
• AlwaysOn Availability Groups

■ SQH09 Architecting a SQL Server AlwaysOn Availability Groups Topology
Edwin Sarmiento
Thursday, November 21   *11:00am – 12:15pm*

So, you're tasked to implement SQL Server AlwaysOn Availability Groups but don't know where to start. You have a lot of different topologies to choose from but they're all the more confusing. Creating effective design architecture is key. In this session, we will look at the different topologies – from simple ones to advance – that you can implement and how to build them.

At the end of the session, you will walk away with the knowledge on how to build the right SQL Server AlwaysOn Availability Group topology that will address your high availability and disaster recovery requirements.

You will learn:
• Common design patterns and guidelines that you need to consider when building your architecture
• Proper selection of quorum configuration
• Network configuration for local and geographically dispersed replicas
• Combining SQL Server Failover Clustering with AlwaysOn Availability Groups

Session Descriptions by Track, continued

BI, BIG DATA, AND DATA VISUALIZATION

Organizations are increasingly turning to SQL Server and related technologies to make better decisions about their businesses, and SQL Server Live! presents a full, five-day track to help you master the complex world of BI. From Analysis Services to PowerPivot, from Big Data to Data Quality Services, you'll find it all!

■ SQT03 Analysis Services 2012 End-to-End – Introductory / Intermediate
Craig Utley
Tuesday, November 19   9:30am – 10:45am

Are you interested in designing, building, and deploying an Analysis Services database that follows best practices and best delivers value to your organization? This session goes through the process of optimizing cube creation through the proper design of dimensions, measure groups, aggregations, calculations, perspectives, security, and more. The areas of source code control, deployment, promotion from test to production, processing efficiency, and other areas will be discussed. Craig Utley has experience designing, implementing, and troubleshooting Analysis Services databases at dozens of companies worldwide through his more than 11 years of experience with the Microsoft BI stack. Far from a theoretical discussion, this seminar will present real-world lessons learned about what works in production environments. By attending this session, you will learn the proper design and implementation of your Analysis Services databases, allowing you to avoid common pitfalls while delivering the maximum value to your clients.

You will learn:
• How to build an SSAS database using best practices
• Understand the decision points for UDM and Tabula
• To design an SSAS solution for performance and scalability

■ SQT07 Add It Up: Analysis Services Aggregations – Intermediate / Advanced
Craig Utley
Tuesday, November 19   11:00am – 12:15pm

Are you looking to maximize the performance of your Analysis Services queries? This session explains what aggregations are and how they work. You'll learn how to create aggregations, tune the aggregations based on actual usage, and design custom aggregations when necessary. You'll discover the benefits and pitfalls of flexible aggregations, when to use rigid aggregations, and the meaning of lazy aggregation processing. You'll dive into queries to see if aggregations are being used and learn when aggregations aren't useful. If you thought aggregation design began and ended with the aggregation wizard, you owe it to yourself (and your cubes) to attend this session.

You will learn:
• How aggregations work
• How to create aggregations
• To create a plan for creating the right aggregations for your SSAS solution

■ SQT11 Securing SSAS Data Without Tying Yourself in Knots – Intermediate / Advanced
Craig Utley
Tuesday, November 19   2:00 – 3:15pm

Are you looking for the best way to secure the data in your cube? There are several approaches to applying data security, each with its own pros and cons. Learn about the basic built-in security and then see approaches for extending this through dynamic security, using security dimensions, and SSAS stored procedures. You'll see examples of each as well as a discussion of when to use which approach.

You will learn:
• How to use role-based security in SSAS
• Discover dynamic SSAS security
• How to create custom SSAS security

■ SQT15 An Overview of PowerPivot for Excel – Introductory / Intermediate
William E. Pearson III
Tuesday, November 19   4:15 – 5:30pm

In this presentation, Microsoft BI Architect and SQL Server MVP Bill Pearson explores "self-service BI" as a concept. He then provides a walkthrough of the primary features of PowerPivot, focusing on how we can exploit its capabilities to offer the benefits of BI to decision makers and analysts throughout our organizations. "There's no service like self-service" This session applies equally to SQL Server and Analysis Services 2008, 2008R2 and 2012 data sources.

You will learn:
• An understanding of Self-Service BI, including the advantages and the challenges that accompany its introduction into the enterprise
• Overview of the architecture and uses of PowerPivot for Excel 2010 within the organization to support self-service BI.
• Explore and demonstrate the assembly of data from diverse sources into models that deliver business intelligence upon demand, including exposure to accessing and relating data, and to employing the Data Analysis Expressions (DAX) language, to construct PowerPivot applications that support analysis and reporting throughout the enterprise

■ SQW03 Through Gardens Overgrown: PowerPivot to Analysis Services 2012 Tabular – Intermediate
William E. Pearson III
Wednesday, November 20   9:15am – 10:30am

In this presentation, Analysis Services Maestro and SQL Server MVP Bill Pearson overviews the steps required to "upgrade" an Excel PowerPivot model to an SSAS 2012 Tabular model using SQL Server Data Tools (SSDT). We'll discuss motivations behind moving to SSAS 2012 Tabular, including PowerPivot model size challenges for the client environment, both from the perspective of processing and querying optimization. We will then undertake a walk-

Session Descriptions by Track, continued

through of the steps required to convert a model designed in PowerPivot to a server - level Tabular model.

You will learn:
• Understand reasons for "upgrading" a PowerPivot model to an SSAS Tabular model
• Be able to create and configure a new SSAS 2012 Tabular Project using SQL Server Data Tools, and import PowerPivot metadata into the project
• Understand the components of an SSAS 2012 Tabular Project and be able to Deploy and Navigate the newly created SSAS 2012 Tabular Project, as well as to use it as a source with previously created reports and PivotTables

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■ **SQW07 Exploring Data with Data Explorer** – Introductory / Intermediate
Steve Hughes
Wednesday, November 20   *11:00am – 12:15pm*

Data Explorer is a new add-in for Excel. This tool allows users to bring data into Excel and shape it for use in analysis. While similar to PowerPivot, Data Explorer adds the ability to shape and scrub data as it is loaded into Excel. How will putting the power of ETL in the hands of power users change the face of BI?

You will learn:
• Installing and configuring the Data Explorer Add-in
• Understand the basics of what Data Explorer has to offer and what may be coming in the future
• Be able to use the Data Explorer add-in to create their own data solutions

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■ **SQW11 Excel: An Analytics Superhub** – Intermediate
Andrew Brust
Wednesday, November 20   *1:45pm – 3:00pm*

With Microsoft's recent announcement of its "Power BI" self-service cloud Business Intelligence offering, Excel steps into the BI mainstream. The combination of the Excel 2013 Data Model, Power Pivot, Power View, Power Query (formerly

"Data Explorer") and Power Map (formerly "GeoFlow") means the ability to do serious, sophisticated analytics in Excel is here, right now. In this session, we'll look at the analytics capabilities in the core Excel product and the aforementioned add-ins, as well as an investigation into how to use these tools together. We'll also see how to extend these capabilities into SharePoint and Office 365.

You will learn:
• About the Excel Data Model and the BI Semantic Model
• The four Excel analytics add-ins: Power Pivot, Power View, Power Query and Power Map
• Publishing your Excel analytics to SharePoint and Office 365
• Integrating Excel analytics with Big Data technology from Microsoft and other vendors

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■ **SQW15 Big Data 101 with HDInsight** – Intermediate
Andrew Brust
Wednesday, November 20   *4:00pm – 5:15pm*

HDInsight is the name of Microsoft's distribution of Apache Hadoop, the essential and defining technology of the Big Data world. HDInsight runs on Windows Server and Windows Azure alike, and yet provides an environment that users of other Hadoop distributions will find familiar and quickly useable.

But what is "Big Data," really? And why in the world would Microsoft embrace Hadoop, an open source technology, written in Java that customarily runs on clusters of Linux servers? In this session, Microsoft BI expert and ZDNet Big Data blogger Andrew Brust will explain what Big Data is all about and how Hadoop works. He will highlight its advantages and disadvantages and introduce you to HDInsight. Andrew will also discuss HDInsight's developer tools, demonstrate relevant Microsoft BI tools and show how they work together. Most importantly, you'll learn how developers with relational database skills can make the jump into this exciting and opportunity-filled area.

You will learn:
• What Big Data really is, in a beyond-the-hype context
• About Microsoft HDInsight, its .NET SDK for Hadoop, and

LINQ Provider for Apache Hive
• How Microsoft's newest BI technologies work
• Understand how SQL Server Parallel Data Warehouse's PolyBase technology integrates with Hadoop and SQL Server

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■ **SQH03 – SSAS 911 The Field Medic's Guide to Performance Tuning Analysis Services** – Advanced
Christopher Price
Thursday, November 21   *8:00am – 9:15am*

Is your cube causing you headache? Does it take way too long to process your cube? Are you losing sleep over queries or reports that run acceptably slow? Then this session is for you! This session uses field-tested techniques to demonstrate how you can use familiar tools to dig into Analysis Services processing and query handling to identify bottlenecks, isolate issues while understanding how and why they occur and what needs to be done to resolve or fix them.

You will learn:
• Understand high-level MDX and Cube Processing process
• How to use tools such as SQL Server Profiler, PerfMon
• DB Tuning Advisor to identify SSAS performance issues
• Techniques for isolating and resolving common cube issues

■ **SQH07 SQL Server 2012 Columnstore Index** – Intermediate
Kevin Goff
Thursday, November 21   *9:30am – 10:45am*

It might seem far-fetched that a company would upgrade to SQL Server 2012 "just" for a database index. But after you see the performance enhancements gained from the new columnstore index in SQL Server 2012, you'll see why many are calling this one of the most important features in the history of SQL Server. In this presentation, I'll talk about the physical aspects of columnstore index in SQL Server 2012, how to create it, and what environments (mainly data warehousing environments) and queries can make use of it. I'll show performance benchmarks between columnstore

Session Descriptions by Track, continued

indexes in SQL Server 2012, and compare them to index strategies prior to SQL Server 2012. I'll also show how the new Batch execution mode can improve performance as well. Finally, I'll show what queries can take advantage of the columnstore index (and which ones can't) and how to use partition switching as a workaround for the fact that the columnstore index is a read only index.

You will learn:
• Where environments can best leverage the columnstore index
• Which queries can take optimum advantage of the columnstore index, and which ones can't
• What a columnstore index really is "under the hood," how SQL Server works with it, and how SQL

■ **SQH11 What's New in SQL Server Integration Services 2012** – Intermediate
Kevin Goff
Thursday, November 21   11:00am – 12:15pm

SSIS has always been a good ETL product. In SQL Server 2012, SSIS got even better. Microsoft simplified certain ETL tasks to help new developers learn SSIS more quickly, and added new features that will be a hit to experienced ETL developers. In this presentation, I'll cover all the new features in SSIS 2012: parameters, new/simplified tasks, new expression functions, data taps for dynamically "tapping" into a data flow pipeline, better handling of invalid metadata references, and a GREATLY improved deployment model. SSIS 2012 also uses the new SQL Server Data Tools interface (the Visual Studio 2010/2012 shell). After watching this presentation, you might very well agree with me that SSIS has gone from "good" to "great" in 2012.

You will learn:
• Examples of the new deployment model and the new dashboard reporting capabilities. For some people, this feature alone is worth the learning curve of the new product, as this feature opens up many new avenues for better ETL management.

■ **SQH15 Utilizing Knowledge with Data Quality Services in SQL Server 2012** – Intermediate
Arie Jones
Thursday, November 21   1:30pm – 2:45pm

Data operations are not only about getting data in and out of a given system but also ensuring that the data is suitable for usage. We've all heard of the phrase "Bad data in, bad data out" and what good is data to us if we cannot ensure that it is correct. Most of the time we write lots of code within stored procedures and functions to compensate for our lack of a system that can help us out with this part of the data food chain. Lucky for us, Microsoft SQL Server 2012 comes with a product known as Data Quality Services (DQS), whose main goals are not only improve your data quality but also to make it much easier to implement and maintain. In this session, we will be looking at what it takes to get DQS up and running in your environment, how to set up Knowledge Bases, and how to utilize the system with tools like SSIS and Master Data Services.

You will learn:
• An overview of Data Quality Services and how it can fit within their environment.
• To competently decide which projects and processes may benefit from DQS and be able to explain it properly to business stakeholders.
• How to setup, utilize, and administer their first Data Quality Services Knowledgebase.
• How DQS's use can be extended through the use of Integration Services and Master Data Services

■ **SQH19 MDS in Practice: An Integrated Approach** – Intermediate
Christopher Price
Thursday, November 21   3:00pm – 4:15pm

Businesses depend on reliable, consistent and correct data that can be managed effectively and shared through-out the enterprise. Master Data Services provides a powerful,

feature-rich platform for arriving at this destination but the successful journey to this end requires a proven integrated approach. This session will discuss how MDS fits in the overall EIM architecture within your organization including real-world strategies for integrating (cleansing, matching and loading) Master Data into MDS and for making it available organization-wide.

You will learn:
• Master Data Management concepts
• Master Data Services (MDS) platform and features
• Proven patterns for integrating MDS into the enterprise

SQL SERVER FOR THE DEVELOPER
Developers have an incredible amount of impact on the overall performance of a database application, and SQL Server Live! shines a spotlight to help developers deliver *more*. From T-SQL enhancements to "never do this" worst-practices reviews, there's plenty of content to keep you busy – or to supplement your Visual Studio Live! agenda!

■ **SQH13 A Window into Your Data: Using SQL Window Functions** – Intermediate
Steve Hughes
Thursday, November 21   1:30pm – 2:45pm

Window functions and the OVER() clause are an underused feature in T-SQL. These functions can help you solve complex business problems such as running totals and ranking. If you have never used these functions or are looking to solve ranking and aggregate types of calculations without using GROUP BY, join us for a demo filled session on SQL window functions. We will also look at some of the performance implications of using these functions.

Session Descriptions by Track, continued

You will learn:
• How to use window functions with the OVER() clause
• Compare the various ranking, aggregation, and analytic functions
• Evaluate the performance impacts of using the OVER() clause

■ SQH17 – O, There's My Data, OData for Data Guys – Intermediate / Advanced
Steve Hughes
Thursday, November 21   *3:00pm – 4:15pm*

In 2012, Mark Souza from the SQL Server product team spoke at the Minnesota SQL Server User Group. During the Q&A I asked about interacting better with Oracle. Mark mentioned that OData would be the best way to handle this. I will be discussing what OData is and what tools are involved. I will also explore how to create an OData feed and how to interact with it using tools such as PowerPivot, SSIS, and SQL Azure. I will also examine the impact of OData for data professionals, both good, bad and ugly. In the end, you should understand how OData works and where it can help us expose our data appropriately to our users.

You will learn:
• How OData fits into the world of data
• How to use OData with SSIS
• How to use OData with Excel and PowerPivot

SQL SERVER IN THE CLOUD
Windows Azure SQL Database (formerly SQL Azure) is becoming an option for more and more organizations, and SQL Server Live! brings you the latest content to help you decide, plan, migrate, and manage cloud-based SQL Server investments. From scalability to monitoring, you'll find virtually everything you need to know – even if you currently know *nothing*!

■ SQW02 – Near Unlimited Scalability with SQL Azure Federations – Intermediate
Arie Jones
Wednesday, November 20   *9:15am – 10:30am*

Putting large database workloads and multi-tenant environments in the cloud is not without its complications. SQL Azure size, configuration, and performance restrictions still require you to hedge your bets when looking at moving to the cloud. With the release of SQL Azure Federations, Microsoft offers you a native SQL Azure based option to possibly unlimited elastic scalability of your cloud based solutions. In this session, we will break down the basics of sharding within SQL Azure Federations, explain what needs to be taken into consideration in terms of database design, what developers need to know, and show you real world solutions using SQL Azure Federations to overcome difficult scenarios.

You will learn:
• How to use Azure Federations to overcome unique challenges of performance, scalability, and security in a cloud based environment.
• How to structure your Azure SQL Database solutions in order to take full advantage of the Federations platform
• The underlying mechanics of the Azure Federations platform so you can intelligently determine whether it is a possible fit for your cloud based solutions

■ SQW06 – Migrating to Windows Azure SQL Database – Intermediate / Advanced
Scott Klein
Wednesday, November 20   *11:00am – 12:15pm*

As the Windows Azure platform becomes more robust the thought of migrating current applications to use Windows Azure SQL Database (WASD) becomes more common. Attend this session and learn when it makes sense to migrate, the options you have available, how to troubleshoot errors, and how to perform maintenance once you are using WASD.

You will learn:
• The new hybrid world for SQL Server DBAs
• How to extract/deploy databases to WASD

• How to troubleshoot and fix migration errors
• How to handle maintenance for WASD

■ SQW10 – Troubleshooting and Monitoring Windows Azure SQL Databases – Intermediate / Advanced
Scott Klein
Wednesday, November 20   *1:45pm – 3:00pm*

Windows Azure SQL Database (WASD) presents unique challenges when it comes to troubleshooting issues and monitoring query performance. Attend this session and understand the options available for WASD users.

You will learn:
• The differences between on-premises and WASD versions
• Common issues seen with WASD
• Query performance tuning options in WASD

■ SQW14 – The Absolute Beginner's Guide to Windows Azure SQL Database – Introductory / Intermediate
Kevin Goff
Wednesday, November 20   *4:00pm – 5:15pm*

Are you brand new to Azure, and are not sure where to start? If so, this session is for you. I will assume the attendees have no prior exposure to Azure, and I'll start at the very beginning - how to create an Azure account, how to create databases and manage them (either with the Azure tools or your local copy of Management Studio), and then how to access Azure databases using SSRS or even .NET applications. This session won't make you an expert, but will make you feel more comfortable about Windows Azure SQL Databases, and make you ready to take the next step forward.

You will learn:
• The limitations and restrictions on Azure SQL Database
• How to access Azure SQL Databases in SSRS and other tools
• The different configuration options when building an Azure account and an Azure database

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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

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

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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

*Speakers and sessions subject to change

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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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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

■ 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

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

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■ **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

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■ **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.

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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

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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 architectural 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

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- Rakesh R. Naidu, Software Developer, USAC

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 data-bases 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 differ-ent 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.

You will learn:
- How to leverage new debugging features to be more pro-ductive 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

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■ **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 asyn-chronous 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

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■ **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

■ 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
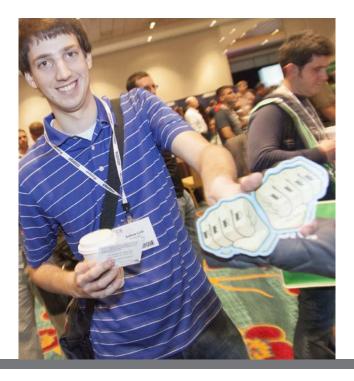• How Blend interacts with the Visual Studio Development Environment

■ 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.

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

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

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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

■ 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 integra-tion 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 interac-tion 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 experi-ence, 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

Brian Alderman
CEO / Founder, MicroTechPoint

Todd Anglin
Chief Evangelist, Telerik

Rachel Appel
Consultant, Author & Mentor

Bradley Ball
Sr. Consultant, Pragmatic Works

Jason Bock
Principal Consultant,
Magenic Technologies

Robert Bogue
President, Thor Projects, LLC

Eric D. Boyd
Founder & CEO, responsiveX

Andrew J. Brust
Founder & CEO, Blue Badge Insights

J. Peter Bruzzese
Co-founder, ClipTraining

Miguel Castro
Architect, IDesign

Chad Churchwell
Sr. SQL Server DBA Consultant,
Pragmatic Works

Andrew Connell
Co-Owner, Instructor, Developer, Author,
Andrew Connell Inc.

Ben Curry
Managing Partner, Summit 7 Systems

Pinal Dave
Founder, SQLAuthority.com

Benjamin Day
Architect / Trainer / Coach

David Dye
Sergeant, Cape Coral Police Department

Marcel de Vries
Technology Manager, Info Support

Matthew DiFranco
Enterprise Architect, Paychex

Michael Doyle
MCTS, MCSD, MCSE
Senior Architect, Waggener Edstrom

Brent Edwards
Associate Principal Consultant,
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Kirk Evans
Principal Premier Field Engineer,
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Practice Lead,
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Kevin Goff
Independent Contractor

Sasha Goldshtein
CTO, SELA Group

Conference Speakers, continued

Anthony Handley
UX Practice Lead, Magenic Technologies

Jason Himmelstein
Senior Technical Director for SharePoint, Atrion

Billy Hollis
Next Version Systems

Scott Hoag
Infrastructure Consultant, Applied Information Sciences

Ben Hoelting
Software Architect, Aspenware

John F. Holliday
President and Founder, SharePoint Architects

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Brian Noyes
CTO and Architect, Solliance

John Papa
johnpapa.net, LLC

William E. Pearson III
Architect, Island Technologies Inc.

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Senior Technical Evangelist, Microsoft

Christopher Price
Senior BI Consultant, Pragmatic Works

Mark Rackley
Solutions Architect, Summit 7 Systems

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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 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**.

MEDIA PARTNERS

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**

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

Watch technical User Group presentations online for FREE at **www.usergroup.tv**

http://www.chicagodnn.org

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

Venue Information

Combine business and pleasure! Make your time at Live! 360 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 Visual Studio Live! Orlando 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.

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 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.

**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.

Registration Packages

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

Register now at www.live360events.com

The Live! 360 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.

LIVE! 360 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 Live! 360 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.

LIVE! 360 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:
- Live! 360 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 66 for pricing details.

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

Turn to page 67 for pricing details.

The 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.

LIVE! 360 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 Live! 360 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.

LIVE! 360 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 Lowes Royal Pacific Resort (Room and tax only) - only available Monday night (November 18) through Thursday night (November 21), departing Friday (November 22)

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

LIVE! 360 WORKSHOP PASS	$495

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

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

LIVE! 360 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**

Registration Packages, continued

ALUMNI DISCOUNTS

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

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 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.

LIVE! 360 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:
- Live! 360 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)

"LOVE THE FORMAT AND FLEXIBILITY – DIDN'T FEEL LIKE I MISSED ANYTHING THIS WEEK. AND THE SPEAKERS ARE ALL EXCELLENT! THIS CONFERENCE HAS HAD A HUGE POSITIVE IMPACT ON MY CAREER."

- *Thomas Offen, Web Developer, Forsight Innovation*