

Best Practices for Deploying and Managing SharePoint

Tom Lin

Deploying SharePoint successfully requires smart planning and the right tools. Managing it after deployment demands intelligent governance policies and the means to enforce them efficiently. This session will review how to deploy SharePoint for seamless transition, suitable security, and future scalability. We will then discuss best practices for administering SharePoint in a manner that ensures compliance, optimises performance, and preserves resources

Build Your First SSIS Package

Andy Leonard

This highly-interactive, demo-intense presentation is for beginners and developers just getting started with SSIS. Attend and learn how to build SSIS packages from the ground up.

C# Ninjitsu

Chris Eargle

C# has humble beginnings as an object oriented language of the purest kind. It was class-based, it was imperative, and it was component-oriented. For many years, the classic object-oriented design principles served class library designers well, and the programming world rejoiced.

Chaos began creeping its way into the world of C#. They were minor things at first: a generic list here, a nullable type there. Developers used these elements to enhance their work. But those that understood utilized them to varying degrees. Some applied the new techniques with wanton abandon. Some kept the old traditions in mind.

Then the dark specter of functional programming infiltrated the language. For those that were doomed to a life of incoherent language usage, there was no hope. But those that held onto the old traditions managed to get by.

There is another way. C# is no longer a purely object-oriented language. It is no longer just an imperative, class-based, component oriented discipline. It is also a generic, declarative, functional discipline.

I will reexamine the object-oriented principles and introduce new principles. I will then introduce new refactorings as we move toward a more declarative, fluent world.

Community Courtyard

Alan Stevens

So what is a Community Courtyard? It's whatever you want it to be. Seriously, when you look at the conference agenda and notice a topic is missing that you are interested in, you can put it on the agenda for the courtyard. Whoever shows up is going to be interested in the topic, so even if you only talk to one other person, the conversation is almost guaranteed to be productive.

Personally, I think of the courtyard as a public speakers lounge. For years, I've had fantastic conversations with smart interesting people in the speakers lounge at events. Unfortunately, the attendees couldn't participate in these great conversations. I want to change that.

Customizing a SharePoint 2010 page with a User Control built in Visual Studio 2010

Susan Lennon

Join us as we explore what's new in both SharePoint 2010 and developing for SharePoint with Visual Studio 2010. We'll build a user control in Visual Studio and deploy it as a feature - to help brand a SharePoint site with a delegate control that is implemented via a master page. Deploying custom code for SharePoint sites has been radically changed with Visual Studio 2010 and we'll explore how the tools have been improved.

Database Design for Developers

Andy Leonard

This session is for software developers tasked with database development. Attend and learn about patterns and antipatterns of database development, one method for building re-executable Transact-SQL deployment scripts, a method for using SqlCommand to deploy re-executable Transact-SQL deployment scripts, and fodder for a lively discussion about NULLs.

Developing WPF Applications using the Model-View-ViewModel

John Blumenauer

As WPF emerged, it became obvious that traditional design patterns would not suffice. Therefore, the WPF community has been busy developing its own collection of patterns and practices. In this session, I'll review best practices for implementing client applications with WPF and Silverlight using the Model-View-ViewModel pattern. Example applications will be used to demonstrate how best to build WPF and Silverlight applications while adhering to the pattern.

Does Your Code Tell a Story?

Alan Stevens

Software developers are writers. Our medium is text. What can we learn about writing code by studying the principles of good story writing?

Frequently in software development, we solve a problem, check in the code and release it. Unfortunately, this means we have released a first draft of the solution.

One of the main lessons of writing workshops and classes is to write in small chunks and revise ruthlessly. By releasing our first drafts, we increase the maintenance cost of our application because it is harder to understand the initial intent of the solution.

In this session, we will explore concepts from writing such as small assignments, bad first drafts, and telling the truth as they apply to the craft of software development.

Dynamic Data

Matthew Sposato

Released with .NET Framework 3.5 SP1, Dynamic Data creates a fully functioning website from either a LINQ to SQL or LINQ to Entities ORM. Commonly called scaffolding, this website supports all the CRUD (Create, Read, Update, Delete) operations. Dynamic Data also includes smart validation based on the column data type, length, and null-ability. Filtering by foreign keys and Boolean fields is built in, as is navigation to parent and child records. Beyond scaffolding, Dynamic Data is a rich framework that can be extended and customized to support almost any data driven part of your website. Visit <http://www.asp.net/dynamicdata/> to get started.

In the first ten minutes of this presentation I build a Dynamic Data website based on a LINQ to SQL data model. Then the fun begins. I demonstrate transforming the scaffolding into a more user-centric website that could be useful for reporting, maintaining lookup data or perhaps as a “bridge” application.

Free your application with Windows Identity Foundation

Mark Arnott

WIF gives the developer standards based support for Single Sign On. We will introduce the concepts of Federated Identity and Claims Based Authorization and then discuss methods and strategies to free your application from authentication and user management .

Fun With LINQ to SQL

Will Ashley

An introduction to LINQ to SQL, using windows and WPF. You will learn how to setup LINQ to SQL in a project and how easy it is to Add\Edit and Delete items using LINQ to SQL. I will also build several practical examples in windows and WPF.

Getting Started with Entity Framework 4

Dane Morgridge

With .Net 3.5 Microsoft release Linq to Sql and with .Net 3.5 SP1 came the Entity Framework, both powerful ORM tools leveraging Linq technology. Entity Framework v1, while usable, was definitely lacking some important features and the Entity Framework team delivered with version 4 coming with Visual Studio 2010. In this session we will look at Entity Framework 4 from the ground level and you will get a solid understanding of it basic principles. We will also go through all of the new features in Entity Framework 4 and see how far it's come since the initial release. If you've never taken a look at Entity Framework, now is the time as version 4 is the real deal.

How I Develop WPF Applications

Joel Cochran

Based on my real world experience, this presentation will be an open discussion of how I design and architect WPF Applications. Topics will include tools, MVVM, data binding, and more with plenty of room for Q and A.

Improve Reuse and Maintainability with Smart Business Objects

Brian Lanham

Applying object-oriented programming techniques will help you build reusability and maintainability into your software systems. In this presentation I will show you the differences in maintaining systems with “data objects” versus smart objects. You will learn some techniques for creating smart objects and you will see how smart objects improve maintainability. You will also learn how reuse is affected by smart objects and when you need to extend the functionality of your system. This presentation will show you how to start using smart business objects which:

- Stage your application for distribution
- Improve extensibility, flexibility, and maintainability
- Improve your application’s suitability for the enterprise

Intro to PowerShell and PowerShell for SharePoint Admin

Susan Lennon

This will be an exploratory session for admins and devs alike. PowerShell mixes the worlds of both and is like managing SharePoint on steroids. PowerShell has been around as a server management tool for years and has recently become a strong player in the SharePoint management space. Looking forward to SharePoint 2010, Microsoft suggests using PowerShell over the familiar stsadm command line tool. Join us as we explore how to use PowerShell for both the current versions of SharePoint and SharePoint 2010.

Introduction to Cloud Computing with Microsoft Azure

Brian Lanham

Cloud computing is one of the latest technology buzzwords. It provides additional processing power for your applications in “the cloud” which is, essentially, an array of computers somewhere outside of your organization. “Azure” is Microsoft’s cloud computing technology. This presentation will describe Azure’s services and demonstrate how to consume those services. This presentation will teach you:

- What cloud computing is and why it receives so much hype
- What Azure is and how Microsoft has spun their implementation
- How to start using Azure in your projects

jQuery From The Ground Up

Kevin Griffin

Web 2.0 has taken over; there is no doubt about it. However, many developers are being left in the dust. Amazing technologies such as jQuery allow developers to easily add flair to their web applications. In this presentation, Kevin Griffin will guide you through the world of jQuery. Starting from the bottom, we will discuss what is possible with jQuery, how do you obtain and setup jQuery in your projects, and then actually putting jQuery to work. This presentation is designed for developers with no experience with jQuery (or Javascript in general). An understanding of HTML and CSS is recommended.

Kick your coding up into high gear with F#, Microsoft's powerful new functional programming language

Daniel Markham

The future of computing is multi-processors, threads, distributed processing, and the cloud. Long-gone are the days where you had only one CPU and your code lined-up and ran in single-file on it. If you're going to move up to the next level you're going to be learning functional programming concepts and techniques, and with Visual Studio 2010 Microsoft introduces F#, its first new language in years and its only functional programming language. I've been programming in F# for two years, since it's first beta release, and it's a blast. It makes programming a lot more fun. In this session we'll do three things: 1) Talk about functional programming -- the different types of things you think about when programming functionally, the different ways to structure your code, and the ways most functional programs evolve, 2) Show off F# in the IDE including demonstrating some scripting and the interactive environment, and 3) Show some examples of how verbose "regular" code collapses into much smaller F# code. F# has too many new concepts to cover in one session, so we'll just go over a few. We'll set aside some time at the end for freeform chatting about any of the others you'd like

Microsoft Sync Framework for Occasionally Connected Phone Applications

Bill Jones

Based on Bill's recent experience fielding a major mobility app, he will highlight the major design considerations when developing an occasionally connected phone application. You will get a thorough introduction to Sync Fx and what you can do with it. Bill will explain what it is, why we need it and how it works. He covers the primary sync components and what you must consider when setting up change tracking for your application.

RESTful Data

Chris Eargle

REST is an architectural style that allows for a layered, scalable, and cacheable enterprise information system. With WCF Data Services, a database can be surfaced to a service as a REST-style resource collection that is addressable with natural URIs and can be interacted with using the usual HTTP verbs: GET, POST, PUT, and DELETE. This session will describe RESTful Data, the benefits it conveys, and its uses. Then we will set up a data service using an existing database that developers would then access rather than accessing the database directly.

SharePoint Best Practices - Designing and Implementation

Hank Farlow

Deploying your SharePoint environment requires detailed planning around hardware and considerations around site design and usability. To avoid common pitfalls and keep your Office SharePoint Server 2007 environment available and performing well, this session covers best practices based on real-world experience during the planning, design and implementation stages.

Silverlight 3 - Building a Databound Website

Chris Atienza

This presentation will show step-by-step how to create a databound website in Silverlight. The majority of the presentation will be spent in the development tools showing the steps on how to bind a series of Silverlight forms to tables in a database and build a fully-functional data browser and editor.

Silverlight 3 Animation using code behind.

Joe Waldin

Every Silverlight app developer has played with animations using the storyboard recorder. Here we will learn the power, convenience, and repeatability of animating with code. In this session I am going to share with you the animation steps I learned over months of head scratching. Don't miss it.

Silverlight 4: Ready for Business

Joel Cochran

Silverlight 4 is a major milestone in the progression of this exciting platform. New features include Elevated Trust, Printing Support, Right-click support, Full Screen Mode, Keyboard support, Mouse Wheel support, a Clipboard API, and more!

Silverlight 4 is an increasingly compelling technology, and with the enhancements in this latest update, Silverlight 4 will definitely be "ready for Business."

What this MEF thing?

John Blumenauer

Trying to make your applications more extensible? The Managed Extensibility Framework provides a standard methodology by which a host application can expose itself and consume reusable external extensions. In the past, Dependency Injection frameworks have been utilized to decouple applications, however, depending on your exact needs; MEF might be a better solution for creating applications with a pluggable architecture. In this session, I'll outline via sample applications how MEF and Dependency Injection frameworks differ in creating extensible applications.

Write Better Code

Kevin Israel

This session is geared toward the C# sharp developer and focuses on some very specific ways to improve the quality of the code we write. Our goal is to make code more flexible and powerful, less fragile and cleaner. Plan on walking away with 15 ways to write more effective code.