

Microsoft SharePoint 2007: From the Beginning

Presented by
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Innovative Solutions Inc.



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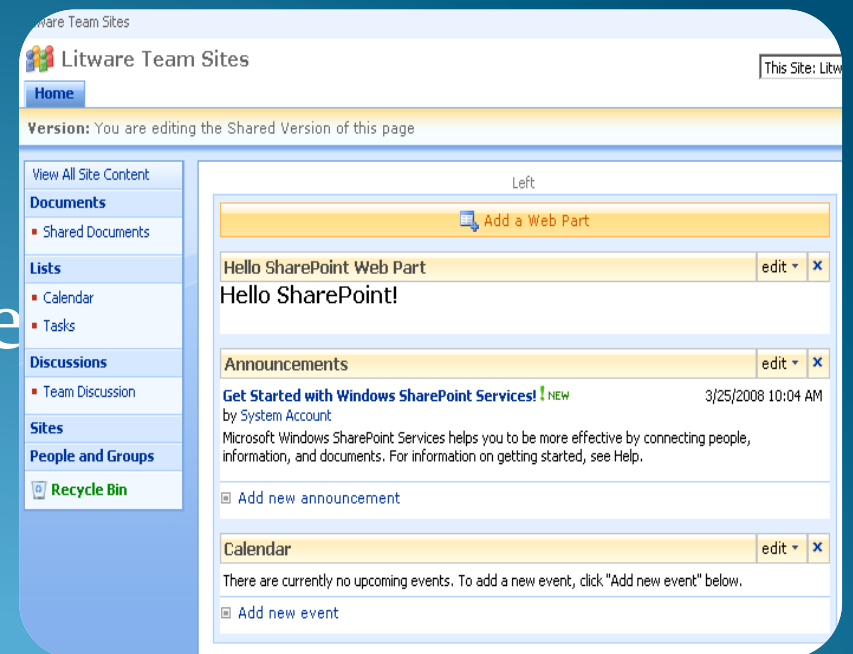


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demo

Creating a WSS Team Site





Agenda

- Sample SharePoint Business Applications
- What is Windows SharePoint Services (WSS) and Microsoft Office SharePoint Server (MOSS)
- WSS Features and Benefits
- MOSS Features and Benefits
- The SharePoint User Experience
- A Sample Workflow Solution
- Business Intelligence, Dashboards, and Report Center

Sample SharePoint Business Applications

- Proposal Management with Collaborative Document Authoring - allows an enterprise to automate the Proposal Authoring process using the SharePoint platform. It allows creation of the Proposal document using pre-defined templates. The Proposal owner can then split and distribute the chapters documents to appropriate chapter owners. The chapter owners can then collaborate, and look-up archived proposal documents to complete the authoring. The chapter documents can be reviewed using a custom workflow.
- Automated Well Lifecycle Solution for the Oil and Gas Industry - Managing the lifecycle of a well is a complex and detailed process that comprises all of the activities from lead identification and exploration through to production and delivery - geological assessments, budgeting, field construction, drilling schedules, completions, reclamations, and sales.
- IT Governance Executive Dashboard - an executive dashboard solution to streamline project status reporting by integrating Microsoft Office Project Server 2003 data directly into a dashboard. With this solution, executives are able to quickly access dynamic reporting on the status of all projects.

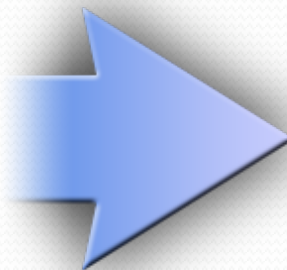
What is Windows SharePoint Services (WSS) and Microsoft Office SharePoint Server (MOSS)

WSS/MOSS Roadmap

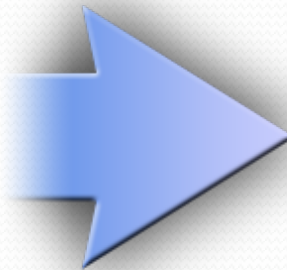
**Content Management
Server 2002**

**SharePoint Portal
Server 2003**

**Windows SharePoint
Services v2**



**Microsoft Office
SharePoint
Server (MOSS) 2007**



**Windows SharePoint
Services (WSS) 'v3'**



WSS vs. MOSS

Windows SharePoint Services 3.0 (WSS)

- Licensed as part of Windows Server 2003
- Site provisioning engine and core workspace services
- Out-of-box collaboration features
- A development platform

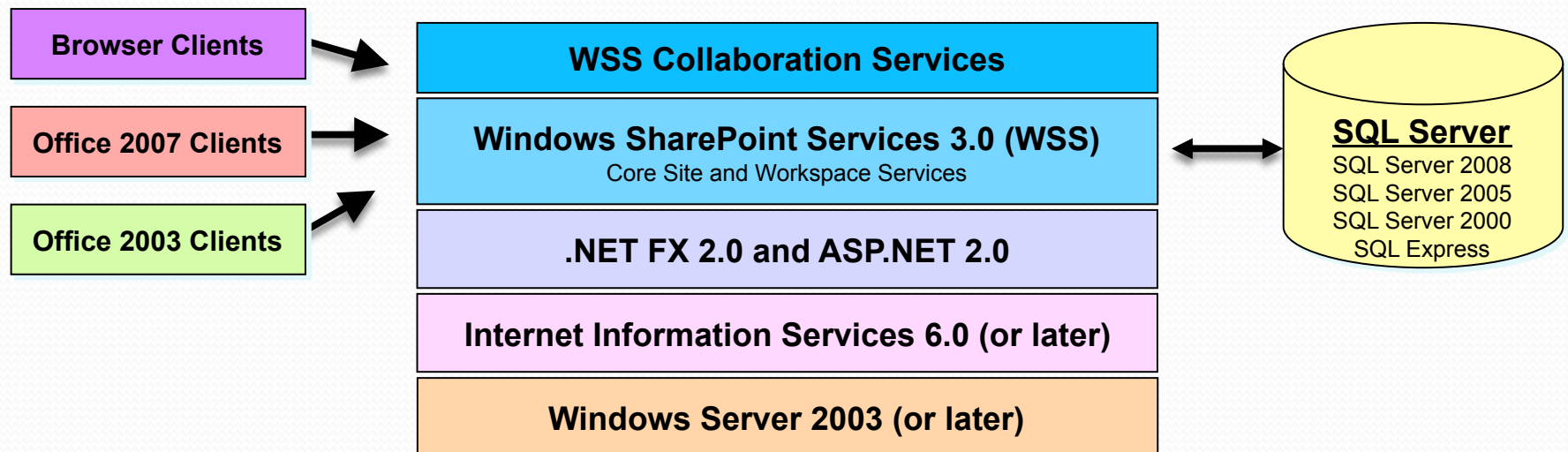
Microsoft Office SharePoint Server 2007 (MOSS)

- Licensed separately under its own SKUs
- New components and services built on top of WSS 3.0
- Unification of SPS 2003 and CMS 2002
- Lots of functionality rolled in beyond SPS and CMS

WSS Features and Benefits

The WSS 3.0 Server-side Platform

- Windows SharePoint Services 3.0 (WSS)
 - An engine for creating/running/managing sites
 - Architecture designed to scale to 10,000s of sites
 - Platform for building Web application and solutions
 - Collaboration services included out-of-the-box





WSS Features

- Standard Site Templates
 - Windows SharePoint Services V3 includes the following standard collaboration site templates: Team site, Document workspace, Blank site, Blog, Wiki, and Meeting workspaces (5 workspace types)
- Wikis
 - A wiki is a new site template in Windows SharePoint Services V3 that makes it easy to create, edit, link, and restore an individual Web page. Wikis can be used as creative forums to brainstorm ideas, manage knowledge bases, create designs as well as instruction guides or simply gather information in an easy-to-edit format. Wikis are easy to create, modify, and annotate; in addition to tracking contributions and changes. These key features include: Fast and easy page creation, Easy and automatic linking, Version differences, WYSIWYG (what you see is what you get) Web page editing, Wikis leverage existing SharePoint functionality including search, navigation, alerts, and custom fields



WSS Features (Continued)

- Blogs
 - Blogs provide a publishing-oriented experience for a single user or a team. Windows SharePoint Services V3 includes a site template that supports: Article posting, Reader comments, Archive views, and RSS feed generation
- People and Groups Lists
 - People and Groups offer a unified place to find, communicate with, and manage people and their permissions, including support for custom fields such as Department, “Office #” and Area of Focus; in addition to the new Person field type. The Person field type creates rich displays of lists of people including support for a People Picker for browsing a list of users. Member Group provides: Re-use of groups across sites, and Distribution list for the members of the site



WSS Features (Continued)

- Calendars
 - Calendars have been enhanced with richer calendar views, expanded support for recurring events, and all-day events.
- Email Integration
 - Document libraries, discussion boards, calendars, and announcements can be enabled to receive new postings via e-mail. Similar to the functionality provided by public folders in Microsoft Exchange Server, e-mail enabled discussion boards support: A highly scalable, topic-based architecture, New “super rich-text” field type, Unified experience for both e-mail and Web-based discussions, One-step creation of Active Directory distribution lists as part of the site creation process, and Unified SharePoint group and Active Directory management



WSS Features (Continued)

- Task Coordination
 - The new Project Tasks list template provides lightweight task management functionality including Gantt charts for visualization of task relationships and status.
- Surveys
 - Surveys now include conditional branching as well as support for inserting page breaks in long surveys such as annual employee satisfaction or and customer surveys.
- Document Collaboration
 - Improvements to SharePoint document libraries include: Checking out documents locally, Offline document library support in Outlook 2007, Major and minor version numbering and tracking, Support for multiple content types , Policy, auditing, and workflow, and Tree view support



WSS Features (Continued)

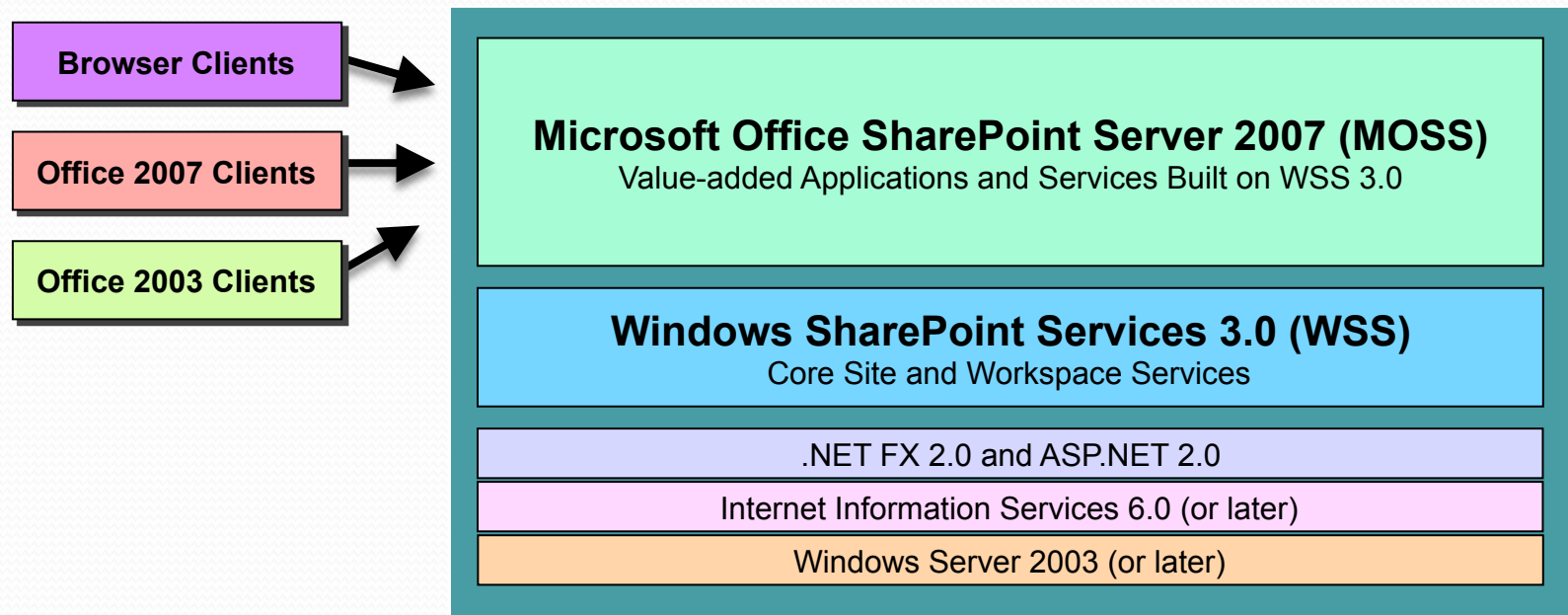
- Mobile Device Support
 - All SharePoint portal, team site, and list pages now render on international and North American mobile devices (including Web-enabled mobile phones) using a simplified text-only format.
- Configuration Management
 - Built on the infrastructure and services provided by ASP .NET version 2.0, Windows SharePoint Services V3 supports a centralized Web configuration management object model.

MOSS Features and Benefits

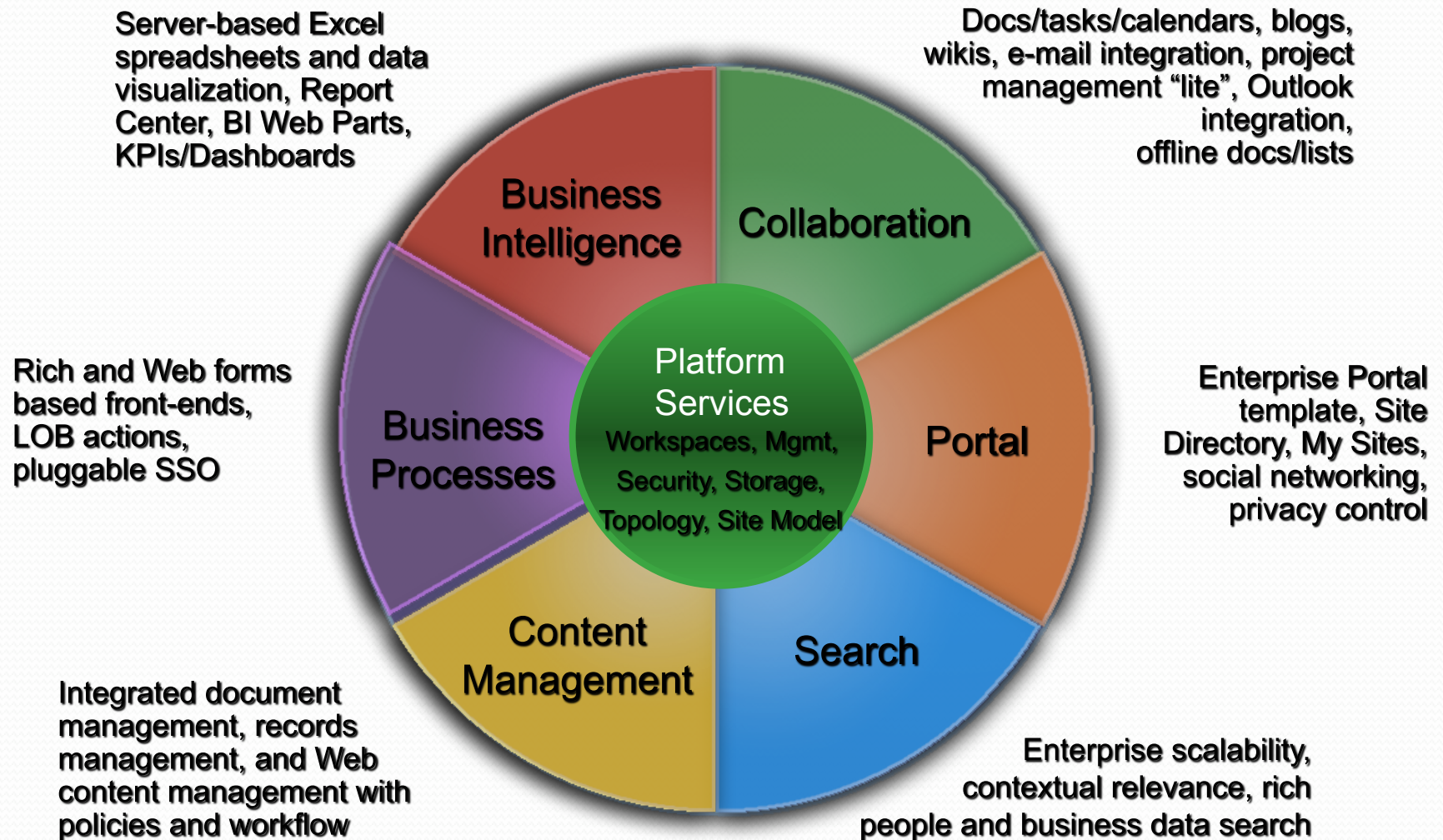
Microsoft Office SharePoint Server 2007

Microsoft Office SharePoint Server 2007 (MOSS)

- Components and services built on WSS 3.0



MOSS Feature Areas





MOSS Features

- Social Networking
 - MOSS provides social networking features, including social networking Web Parts and profile linking. MOSS allows you to establish peer links between colleagues and identify hierarchical relationships. These relationships can be published on My Site pages and traversed wherever your personal profile appears on a site/web part.
- My Site
 - MOSS provides the ability for individual users of a portal to create their own "My Site". My Site is essentially a home page / landing page designed to provide you with a starting point through which to access content that you own and content that might be relevant to you. This is also the place where your personal profile is published. You can also create shared and private image and document libraries, as well as your own pages and publication areas. You can also create your own personal blog on your My Site. You can think of a My Site as a "professional version of a MySpace site".



MOSS Features (Continued)

- Site Directory
 - MOSS provides a new site template called "Site Directory". When you create your first portal via MOSS, it comes with a Site Directory. This site template is designed specifically for tracking links to sites, displaying site maps and site navigation lists, as well as searching through the site directory. With a Site Directory in your portal, you will be asked if you want to publish a link to your new site every time you create a new site within the portal, regardless of its depth within the hierarchy.
- User Profiles
 - MOSS allows for Active Directory-integrated user profiles. It also provides security around profile properties. In other words, you can have information in your profile that is visible only to you, visible to your superiors, visible to your colleagues, etc. You can control what audience can see which user profile properties, and much more than that.



MOSS Features (Continued)

- Site Manager
 - MOSS provides for an easy drag-and-drop interface for managing navigation bars, navigation strips, portal hierarchy information, and much more. In general, managing sites, site hierarchies, and hierarchical site content is much easier (and in some cases simply made possible) with MOSS.
- Portal or "Enterprise" templates
 - MOSS comes with new templates for a Portal Site (the default root-level site template of a portal site), Document Center, Search Center, Report Center (available only in the SharePoint 2007 Enterprise SKU, not Standard), and Site Directory.



MOSS Features (Continued)

- Search
 - MOSS uses an enhanced relevance algorithm for its search engine, and is able to crawl content from multiple sites within an enterprise, as well as non-SharePoint web sites. In short, the MOSS search engine is a powerful enterprise search engine with a relevance algorithm, while the WSS site-local search engine is actually pretty useless beyond simple "dumb keyword" search.
- Knowledge Network / People Search
 - MOSS provides an enhanced "people search" tool that can be used to try and mine hidden relationship data and show you people related to knowledge. For example, if my name is splattered all over dozens of websites that contain C#-related content, the idea is that MOSS will show you my name and profile in response to a search for people related to C#, and suggest me as a local expert.

MOSS Features (Continued)

- Business Data Catalog / Business Data Search
 - I think this is quite possibly one of the most important features in MOSS. It allows you to extend SharePoint data by integrating Business Data from external sources such as Web Services or Relational Databases. This allows you to do things like display SAP data within your SharePoint portal, or add a column to a Requirements Document stored in SharePoint that points to data stored in a Requirements Management tool elsewhere in your enterprise. The possibilities for the BDC are limitless, and I really think every single SharePoint 2007 developer needs to learn this stuff in and out (this is reflected in the extensive coverage of the BDC in our upcoming book, [SharePoint 2007 Development Unleashed](#) .)

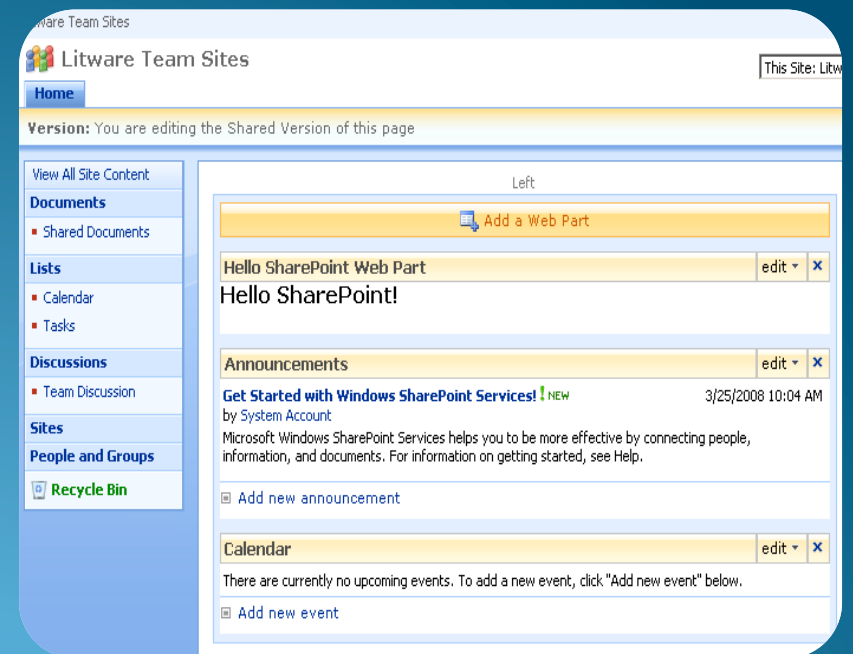


MOSS Features (Continued)

- Document Workflow
 - You can use the stock (included "in the box") workflows such as collecting feedback and performing a review of a document, or you can create your own workflows using a custom Workflow designer to create powerful (and really, really handy) workflows around specific types of documents like Whitepapers or magazine article submissions, chapter submissions (hint, nudge), etc.
- Excel Services
 - MOSS provides the ability, through its Shared Services facility, to have what amounts to an Excel server. This provides the ability to display the contents of excel spreadsheets within web parts, and to selectively allow editing of secured regions of that spreadsheet, including evaluation of formulae contained within the sheet and having the results display in real-time. There is also a UI-less version of this where you can access a stored central spreadsheet via webservice, establish a "session", and programmatically feed data into the sheet and get formula-calculated values out of the sheet - all without interfering with other people using the same centrally located spreadsheet. The impact to businesses that do *anything at all* with Excel is huge.

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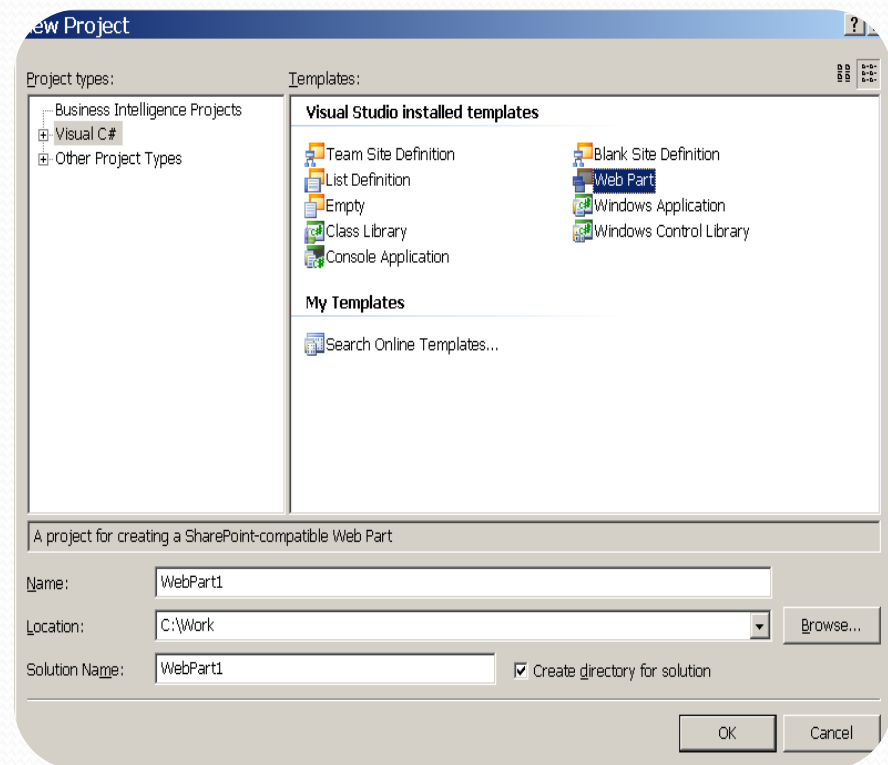
Creating an Internet Publishing Site



The SharePoint User Experience

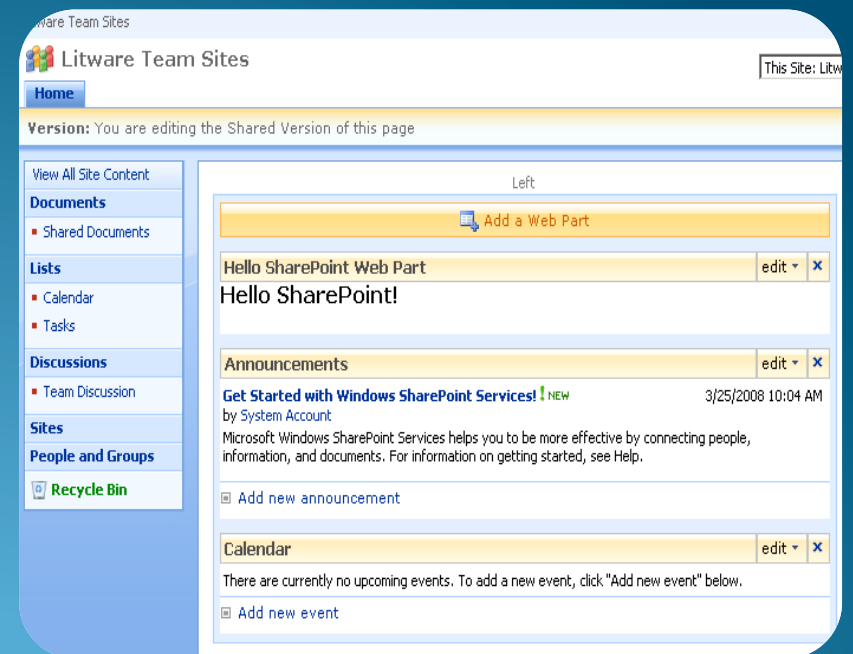
Development Environment

- Internet Explorer
- Microsoft Office 2007
SharePoint Designer
- Microsoft® Visual Studio®
2005 extended with Visual
Studio Extensions for
Windows SharePoint
Services 3.0 (1.1)
- Visual Studio 2008 with
VSeWSS
- Many community
tools are available
on CodePlex



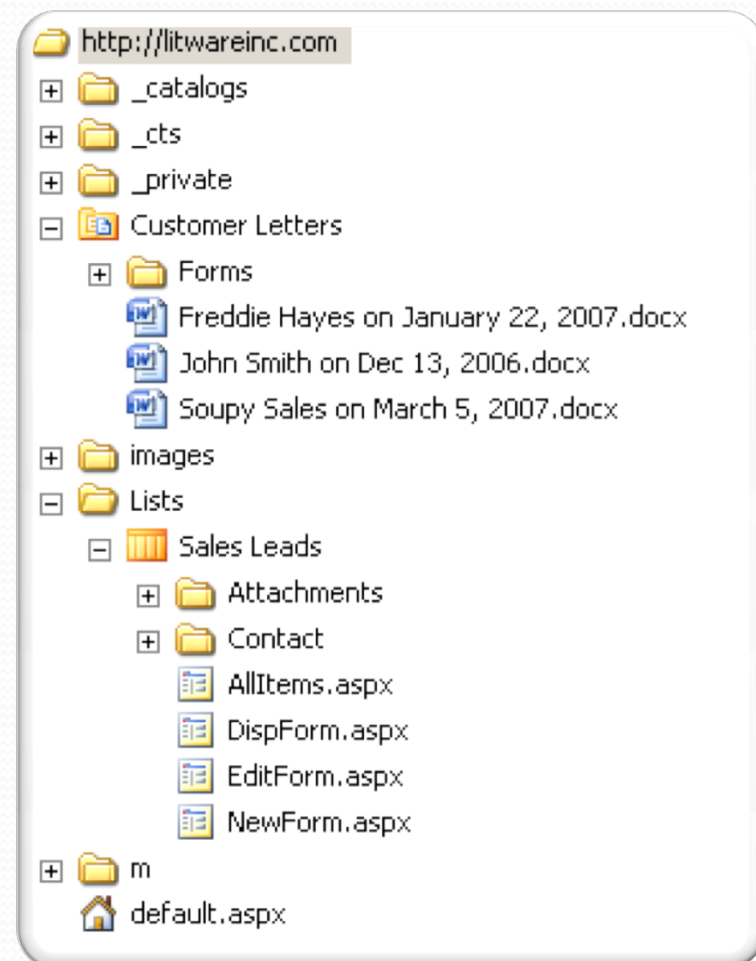
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SharePoint Designer Visual Studio



Windows SharePoint Services Site = Virtual File System

- Site is a virtual file system
 - Made up of folders and files
 - Pages are files
 - Documents are files
 - Stored in content database
- How can you look at it?
 - Microsoft® Office SharePoint® Designer
 - Windows® Explorer
 - Custom Application





SharePoint Lists

- List types designed to store content in form of items
 - Each list type defines schema, including set of columns
 - List type includes Form pages (e.g., AllItems.aspx)
 - List type can have multiple views
- Creating a list instance from a list type
 - Create list instance using Windows® SharePoint® Services built-in list types (e.g. Contacts)
 - Create list instance from custom list and define columns
 - Users can add/remove/modify columns on list instance
- Lists can contain Content Types
 - Content Types contain their own fields, workflows, and forms
 - Content Type fields are automatically added to a list when the content type is associated with it



Document Libraries

- Windows SharePoint Services Document Library is a special list type
 - Provides support for uploading/storing documents
 - Provides support for document versioning
 - Document data is stored in Microsoft® SQL Server® content database
 - Think List with one and only one attachment
- Document Library has a document template
 - Document template used when user clicks New command
 - Use Content Types for multiple document templates



What Are Web Parts?

- Modular and reusable building blocks typically used to build portal-style applications
- Support for customization and personalization
- Web Part infrastructure is required
- Many Web Parts are available out of the box with Windows SharePoint Services 3.0 (WSS 3.0) and even more with Microsoft® Office SharePoint® Server 2007 (MOSS 2007)
- Major extensibility option within world of Microsoft® SharePoint® Products and Technologies

History of Web Parts

Windows SharePoint Services 2.0

- Designed with its own Web Part infrastructure
- Windows SharePoint Services serializes/stores/retrieves personalization data

Microsoft® ASP.NET 2.0

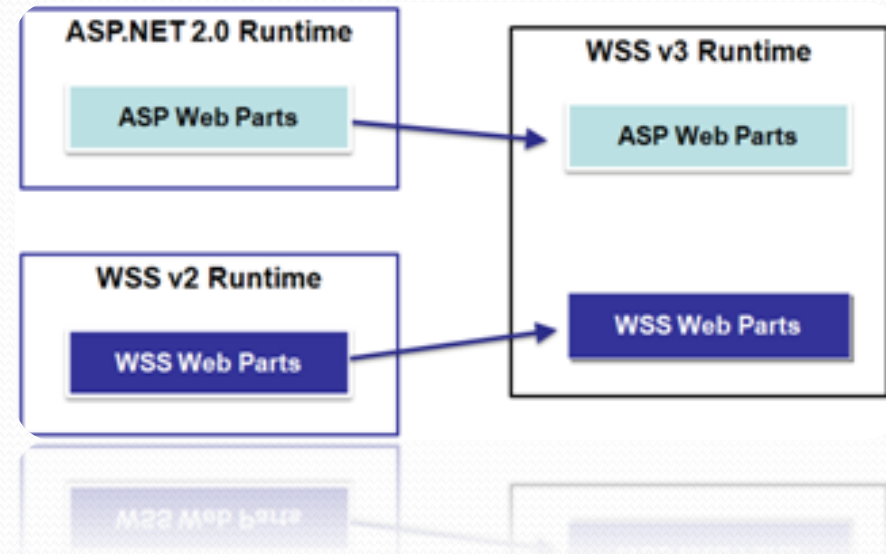
- Designed with newer universal Web Part infrastructure
- Serializes/stores/retrieves personalization data
- More flexible and more extensible than Windows SharePoint Services
- ASP.NET 2.0 does not support Windows SharePoint Services v2 Web Parts

Windows SharePoint Services 3.0

- Backward-compatible with v2 Web Parts
- Offers a layer on top of the ASP.NET 2.0 Web Part infrastructure

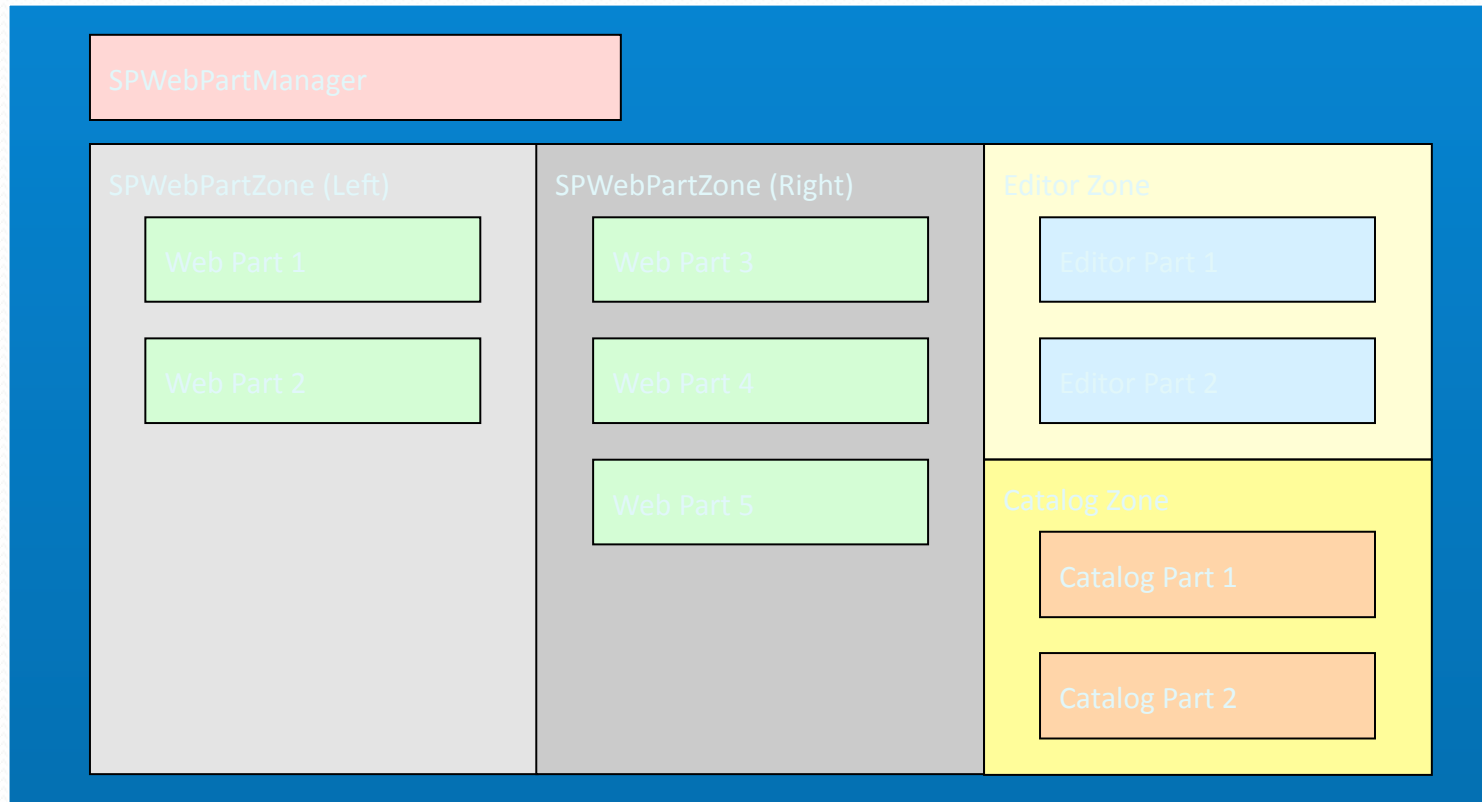
Web Part Types for WSS 3.0

- ASP.NET Web Parts
 - Web parts that inherit from ASP.NET WebPart
 - Imported via .webpart files
 - Preferred style for all new development
- Windows SharePoint Services v2-style Web parts
 - Web parts that inherit from Windows SharePoint Services WebPart
 - Imported via .dwp files
 - Supported mainly for backwards compatibility



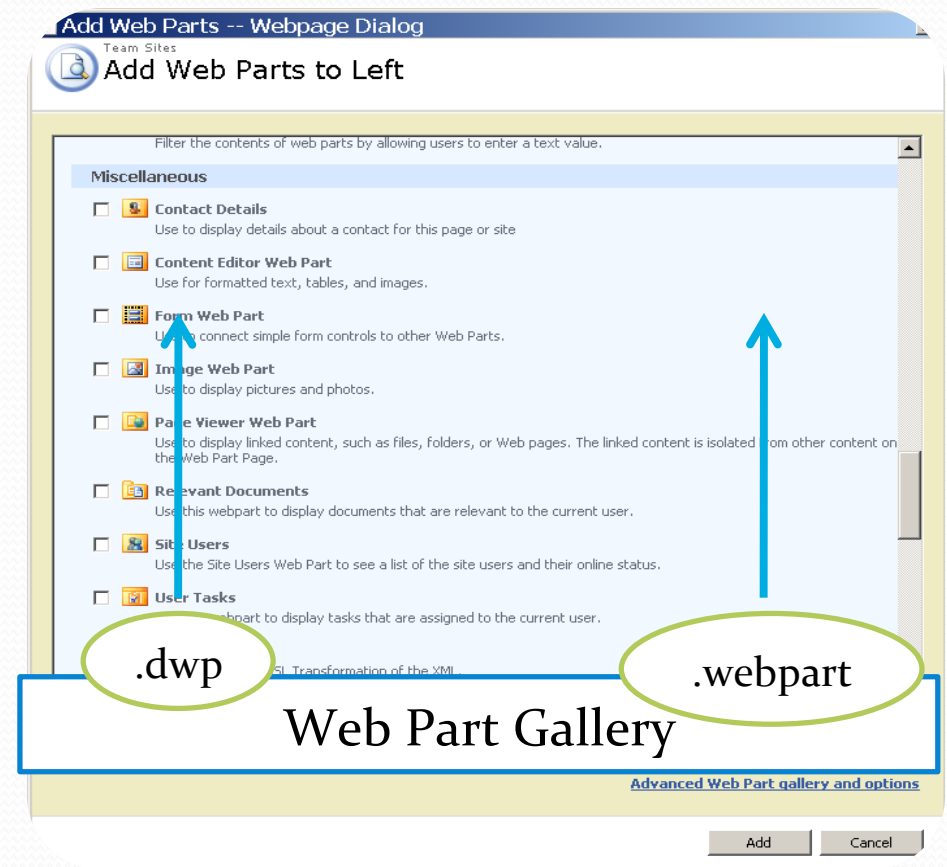
WSS 3.0 WebPartPage Structure

- Web Part Page in Windows SharePoint Services is designed with...
 - One instance of SPWebPartManager class
 - One or more SPWebPartZones
 - Editor Zones and Catalog Zones supplied by Windows SharePoint Services pages



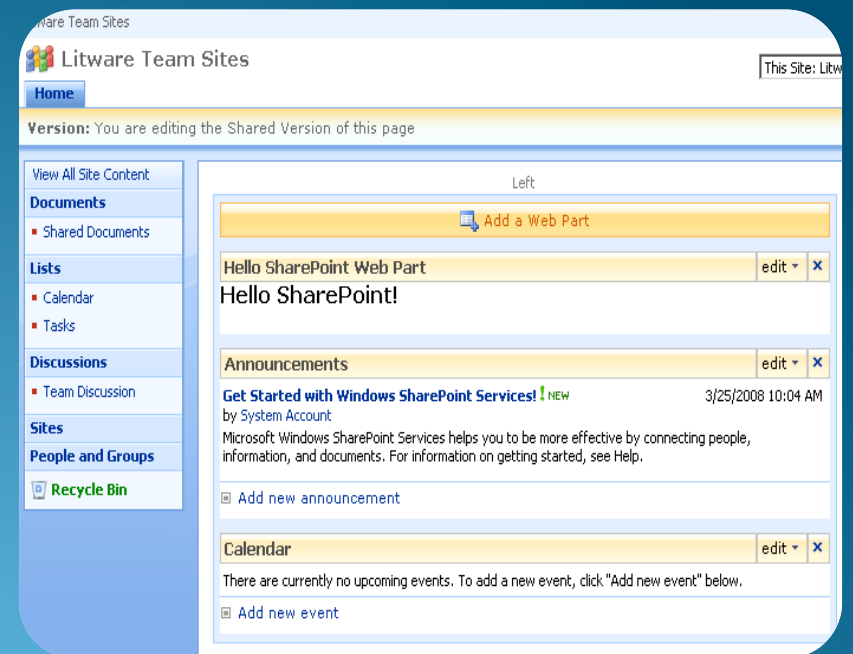
Web Parts Are Advertised

- Web Part Gallery at the level of the site collection
- .DWP or .WEBPART added as item
- Windows SharePoint Services can discover new candidates from web.config
- Maintain metadata



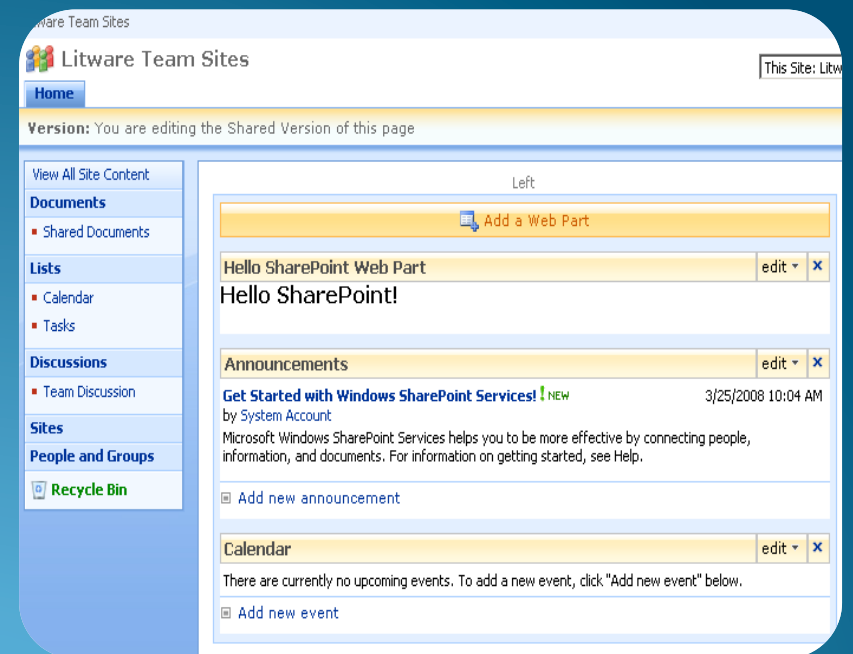
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Building and Deploying Simple Web Part



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A Sample Workflow Solution

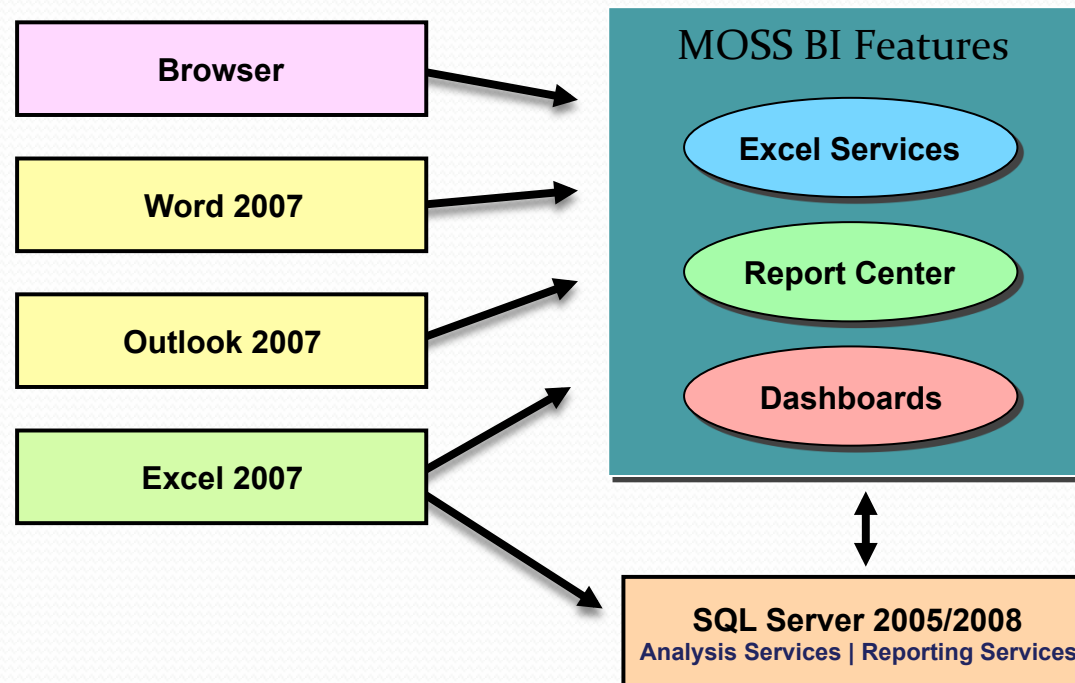


Business Intelligence, Dashboards, and Report Center

Business Intelligence

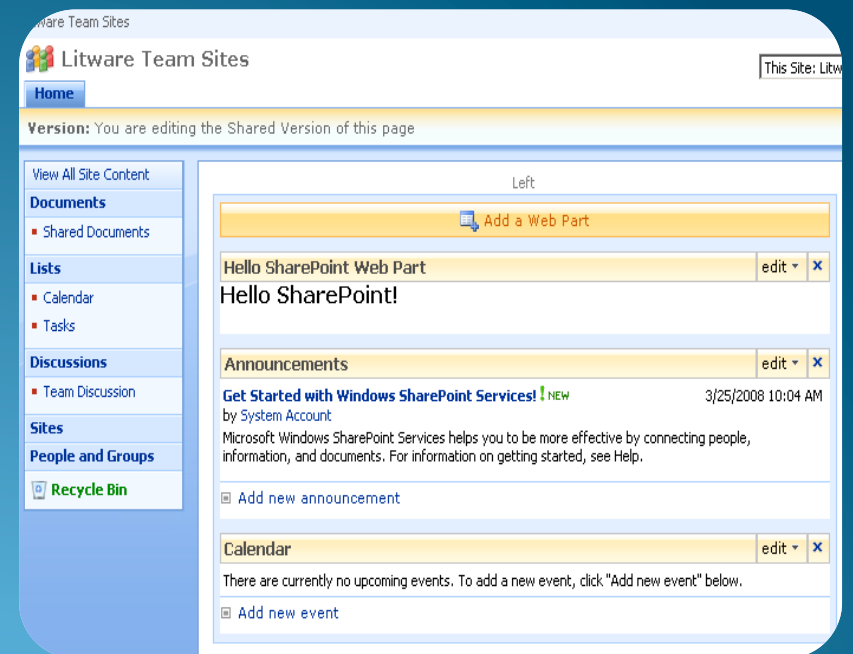
The MOSS Vision for Business Intelligence (BI)

- Provide business insight to all employees
- Lead to better, faster, more relevant decisions
- Integrate with BI features of SQL Server and Excel



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Using Excel Server





SharePoint Training

- Seminar
 - Microsoft SharePoint 2007: From the Beginning S103008
- Introduction Training
 - Intro to SharePoint 2007 & Team Solutions SH-07
 - Introduction to SharePoint Designer 2007 SHD-07
- Application Development
 - Business Users Guide to SharePoint Server 2007 ISI-1122
 - SharePoint 2007 Development & Customization ISI-1108
- Implementation and Administration
 - Implement Office 2007 SharePoint Server 2007 5061
 - Implementing Windows SharePoint Services 3.0 5060
 - Prof SharePoint Server 2007 Administration ISI-1123
 - SharePoint Server 2007 Adv Administration ISI-1142

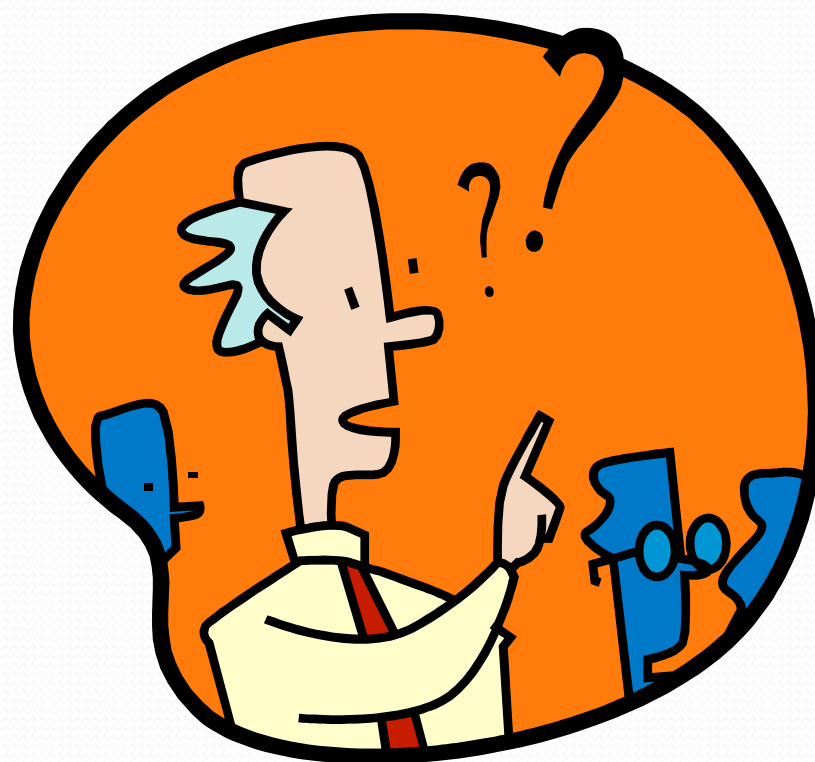


SharePoint Consulting Services

- SharePoint Solution Evaluation
- SharePoint Solution Analysis and Design
- SharePoint Solution Implementation
- SharePoint Development Including Custom Web Parts
- SharePoint Administration Analysis
- We can help with the following:
 - Portals and Collaboration
 - Business Intelligence
 - .NET Application Development
 - Systems Integration
 - Line of Business Systems

Important

- Web Site: www.isinc.com
- Training Contact
 - Mike Crawford – mike@isinc.com
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Thanks

Teşekkürler

Hvala

Díky

Grazie

Bedankt

Merci

Vielen
Dank

Obrigado!

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شكراً

Gracias