



SharePoint Server 2010

Building With SharePoint 2010

Microsoft SharePoint 2010 is the Business Collaboration Platform for the Enterprise and Web. SharePoint 2010 focuses on three key areas:

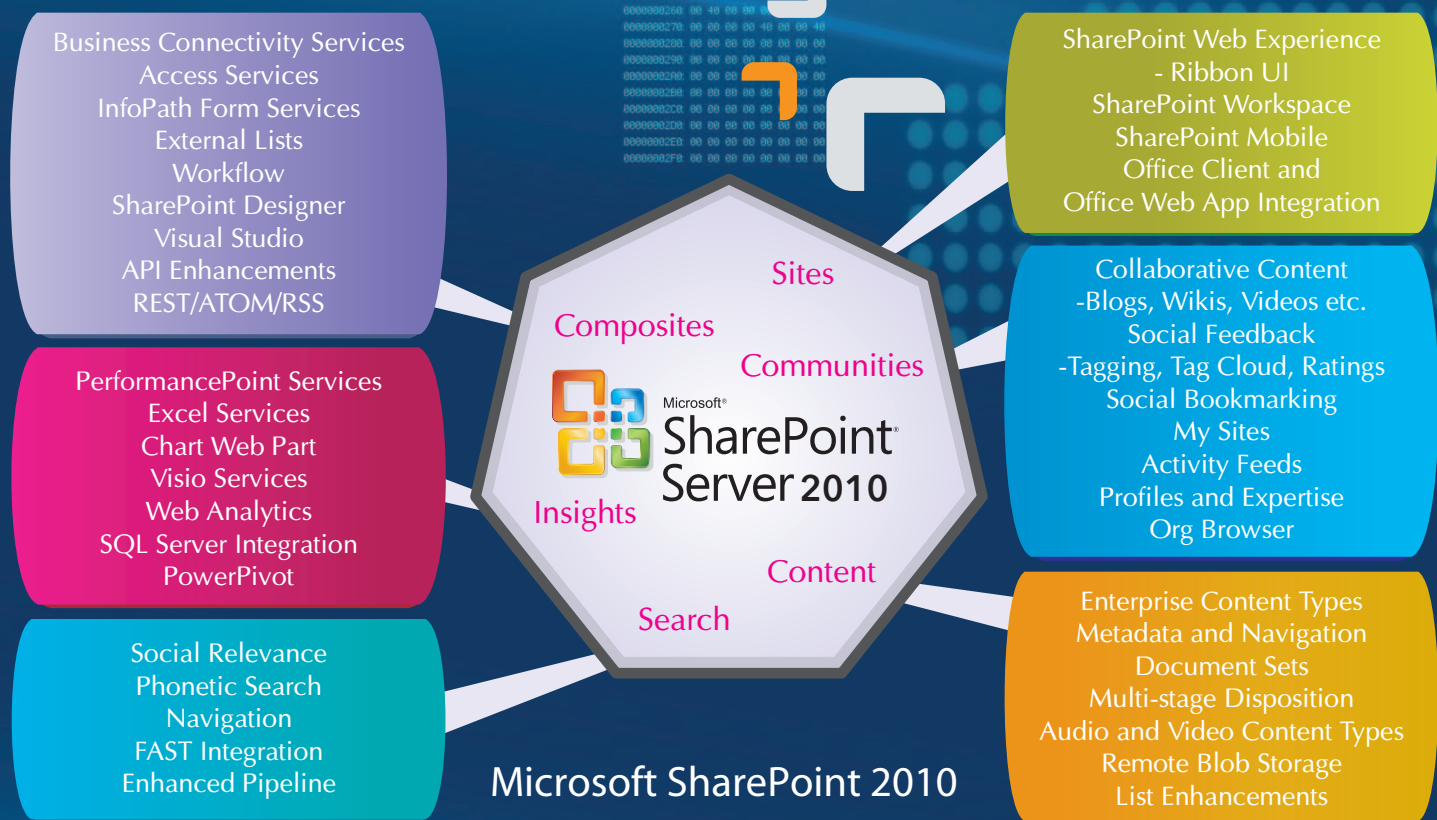
- 1- **Connecting and empowering people to enhance productivity** by offering improved and simplified tools to create and manage sites and associated content. Microsoft SharePoint 2010 integrates smoothly with Microsoft Office 2010 which makes it possible for users to be more productive while using a more familiar set of tools to interact with SharePoint Server.
- 2- **Unifying infrastructure to cut maintenance and training costs** by providing an integrated set of features and the ability for organizations to build their business productivity solutions on top of the SharePoint Server.
- 3- **Responding rapidly to business needs** by providing the ability to quickly build and deploy dynamic solutions to end users, power users and professional developers. SharePoint 2010 provides the tools to easily create business solutions that can be integrated with existing data and process.

SharePoint Sites

SharePoint sites are websites that aim to be an entry point to the World-Wide Web. They typically offer search capability and links to useful pages, news, or other services. SharePoint sites can be organization-wide or global, e.g., MSN, Yahoo, and Google. SharePoint 2010 offers: a rich user experience, support for multiple browsers, mobile based interaction with people and content, MS Office integration, and collaboration across the internet, intranet, and extranet for creating, editing, and managing sites.

Visionet's Hands-on Expertise:

- › Identifying and planning SharePoint site architecture
- › Creating SharePoint sites
- › Managing site structure
- › Defining custom site templates
- › Customizing site templates
- › Managing site settings and features
- › Creating custom themes



SharePoint Communities

SharePoint Communities enable users to collaborate with each other using smart connections across people and teams. Enhanced social networking tools available with SharePoint 2010 allows users to connect and share information through blogs, wikis, calendars, discussions, tasks, contacts, pictures, videos and much more. My Sites and user profiles provide an organized way to create, share, and find personal and professional information across the organization.

Visionet's Hands-on Expertise:

- › Designing the social network structure for the organization
- › Creating My Sites and Profiles
- › Creating blogs, wikis, and discussions
- › Setting up and managing profile synchronization with directory service
- › Managing people search and organization browser

SharePoint Content

Organizations produce various types of content including documents, records, and web pages. SharePoint 2010 offers great ways to manage different types of content while maintaining strict control through governance policies to ensure compliance. Key features that make SharePoint 2010 an ideal tool for creating, authoring, publishing, and managing content are: integration with Office applications, offline client experience, speedy and easy web publishing, and the ability to create and manage custom content types and Meta data.

Microsoft SharePoint 2010 Top Benefits

- › Provide a simple, familiar, and consistent user experience across multiple platforms.
- › Boost employee productivity by simplifying everyday business activities.
- › Help meet regulatory requirements through comprehensive control over content.
- › Effectively manage and repurpose content to gain increased business value.
- › Simplify organization-wide access to both structured and unstructured information across disparate systems.
- › Connect people with information and expertise.
- › Accelerate shared business processes across organizational boundaries.
- › Share business data without divulging sensitive information.
- › Enable people to make better-informed decisions by presenting business-critical information in one central location.
- › Provide a single, integrated platform to manage intranet, extranet, and internet applications across the enterprise.

Visionet's Hands-on Expertise:

- › Designing and deploying content management processes to facilitate creation, authoring, and publishing of content
- › Applying governance policies to ensure compliance
- › Managing enterprise Meta data
- › Setting up and using out-of-the box workflows
- › Creating and deploying custom workflows using SharePoint Designer and Microsoft Visual Studio
- › Creating custom activities for designer-based workflows
- › Creating workflows for content approval

SharePoint Search

SharePoint 2010 makes it easier to find data including content and people. It does this by providing enhanced search capabilities, the ability to plug in “FAST” searches for SharePoint, connecting and indexing data from external sources, and phonetic search.

Hands-on Expertise:

- › Planning searches by identifying data, rules, filters, and scopes
- › Configuring searches and indexing content
- › Defining, organizing, and managing Meta data
- › Customizing advanced search capabilities of SharePoint
- › Connecting to external sources to fetch search results using custom web parts
- › Configuring and managing search scopes

SharePoint Insights

SharePoint 2010 enables collaboration and analysis to help everyone in the organization get richer insights by offering excel services, new visualization, navigation, and BI features. These features greatly facilitate and speed up the business decision-making process.

Hands-on Expertise:

- › Integrating excel based data with SharePoint using excel services
- › Creating Dashboards
- › Creating Key Performance Indicators
- › Integrating with SQL Server’s reporting services

SharePoint Composites

SharePoint 2010 serves as a platform to build and deploy business solutions for all types of users by providing powerful tools like SharePoint Designer, InfoPath Form, and Microsoft Access Services. Business connectivity services in SharePoint 2010 offer a nice way to create, read, update, delete and search line of business (LoB) data.

Hands-on Expertise:

- › Creating and deploying solutions using SharePoint Designer and Visual Studio
- › Importing and synchronizing LoB data.
- › Using business connectivity services to give a web presence to LoB data
- › Creating and Deploying web enabled InfoPath forms
- › Managing and associating Form Templates as content types
- › Using data connection libraries to change InfoPath data sources without deployment
- › Creating and Managing InfoPath workflow to automate business processes
- › Building and deploying custom solutions on top of basic SharePoint features

SharePoint 2007 to SharePoint 2010 Migration

As of today, SharePoint 2010 is the latest and the biggest release of SharePoint. It offers many enhancements, exciting new features, and powerful integration capabilities, and also serves as a platform for building and deploying business productivity solutions. All types of users can benefit from the new release. Organizations with an existing set up of the previous SharePoint release, also known as Microsoft Office SharePoint Server 2007, can upgrade/migrate their data to SharePoint 2010 and start taking advantage of the new powerful platform and its integrated features.

Top Reasons for Migration from SharePoint 2007 to SharePoint 2010

- 1 Enhanced collaboration features: Blogs, Wikis, Discussions, Social tagging, rating and bookmarking etc.
- 2 Visio and Access Services: Providing functionality of Visio and Access as web applications
- 3 Multiple Browser Support: For extended set of web browsers
- 4 Shiny New UI: Improved user interface including new Office style ribbon
- 5 Web Editing: Easy and speedy site editing using online tools
- 6 Rich Media Support: Including pictures, audio and videos
- 7 SharePoint Designer 2010: New UI and improved workflow designing capabilities
- 8 Business Connectivity Services: Evolution of Business Data Catalog
- 9 SharePoint Workspace: Possibility to work offline and synchronize with online content later
- 10 Usage Reporting & Logging: Consolidate and customizable usage logging and reporting facilities
- 11 Server Health Monitoring: Identification of potential issues with servers and their possible solutions
- 12 List enhancements: Support for large lists with millions of items
- 13 FAST Search: Option to use FAST search capabilities
- 14 Unattached DB recovery: Possibility of data recovery from unattached content databases
- 15 Visual Upgrade: Easy migration from 2007 to 2010 while retaining the 2007 themes and UI
- 16 Visual Studio 2010: Visual Studio 2010 tools for SharePoint 2010
- 17 LINQ: Language integrated query for SharePoint
- 18 Developer Dashboard: Availability of advanced development tools
- 19 Silver light Web Part: Possibility of using and customizing Silver light web part
- 20 BizTalk: Developers can seamlessly leverage BizTalk to access LoB through Business Connectivity Services

Hardware & Software Requirements

A

Migrate to
64 bit Hardware



B

Upgrade or Migrate to
Windows Server 2008



C

Upgrade or Migrate to
SQL Server 2008 or
SQL Server 2005 SP2

Selecting Upgrade Approach

A

In Place Upgrade

B

Data Migration

Run Pre-Upgrade Checks to Identify and Fix Issues

Identify server farm components and their compliance with pre requisites for upgrade
Identify and fix site and database orphans
Identify and fix unsupported server customization
Identify and fix invalid or missing server farm configuration settings
Identify alternate access mapping URLs for the server farm

Content and Configuration Data Backup

Identify and Backup Content Data
Identify and Backup Server Configuration Data

Run the Upgrade/Migration Process

Monitor and Review the process by examining log files
Review the upgraded sites and content
Run visual upgrade to convert site collections to SharePoint 2010 Products look

Upgrade/ Reconfigure Farm Services

Upgrade/Reconfigure farm level Services
Review and Verify the upgrade/reconfiguration

Optionally, Restructure Content and Farms

Identify the need to restructure content or farms
Perform the restructuring operations before or after the upgrade

SharePoint 2010 offers the flexibility of an in-place upgrade from SharePoint 2007 as well as an upgrade through data migration. An in-place upgrade is suitable for small environments where the existing setup of SharePoint 2007 already satisfies the infrastructural and software requirements for the upgrade. A more serious approach for the upgrade is to deploy SharePoint 2010 and then run the data migration/re-configuration process.

Careful planning is required before performing a migration upgrade. Starting with satisfying the hardware and software requirements, the process goes on to selecting a suitable approach for the upgrade, proactively identifying and resolving any issues that may hinder the upgrade process, backing up content and configuration data, executing the actual migration process, re-configuration/upgrade of services and finally performing the post-upgrade verification checks.

Visionet's Hands-on Expertise:

- › Planning the structure of SharePoint Farms
- › Deploying SharePoint Farms
- › Planning the upgrade/migration
- › Analyzing the existing environment to identify, back up, and record the configuration of critical components
- › Identifying and resolving pre-upgrade issues
- › Upgrading and migrating data
- › Configuring farm level services to resume normal operations after the upgrade/migration
- › Planning and execution of application
- › Deploying service packs
- › Providing 24/7 remote administration/support

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