

Introducing SharePoint 2010 Customization & Development

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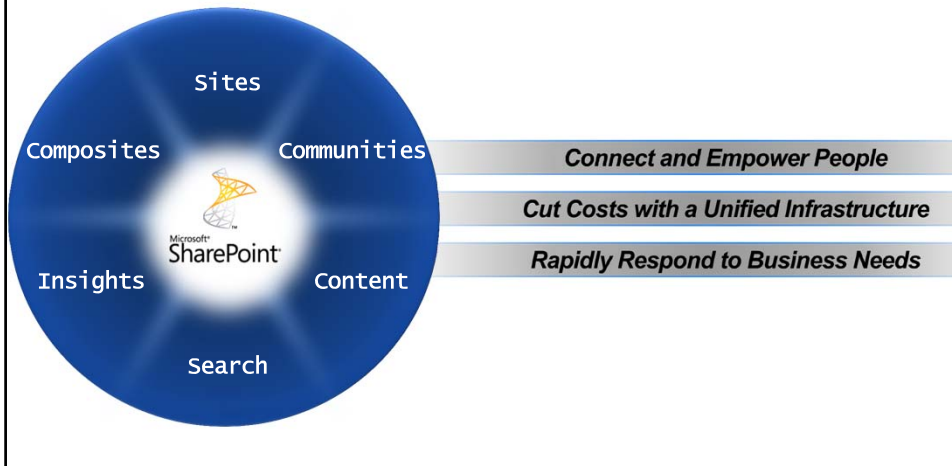
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Agenda

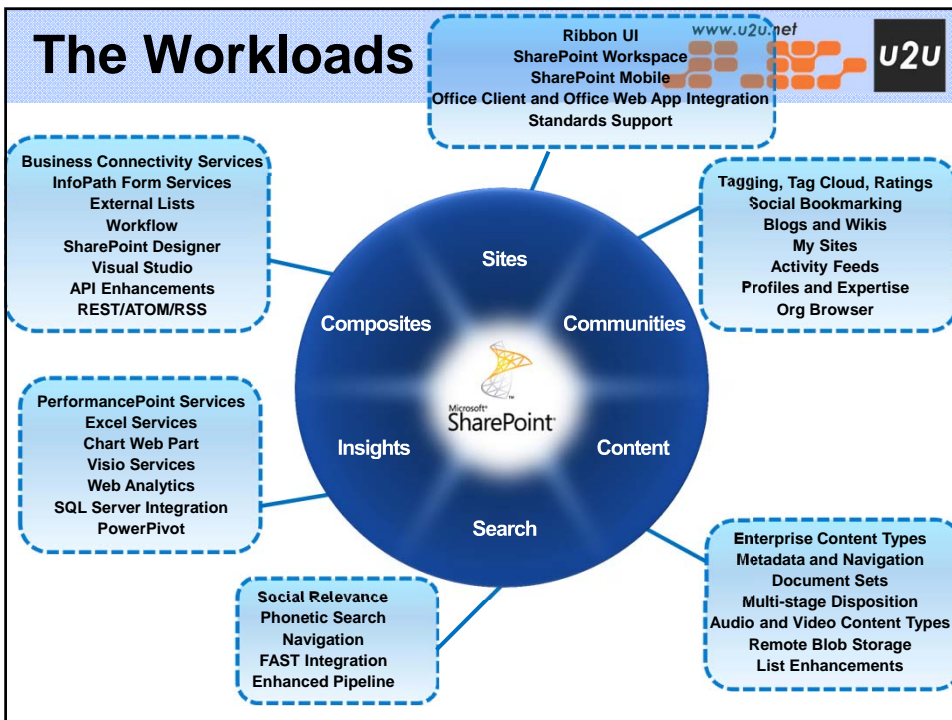
- SharePoint 2010
- Customizations vs Development
- SharePoint Designer 2010
 - Reusable Workflows
- Visual Studio 2010
 - Data Access API's
 - Silverlight
- Wrap-up and Q&A

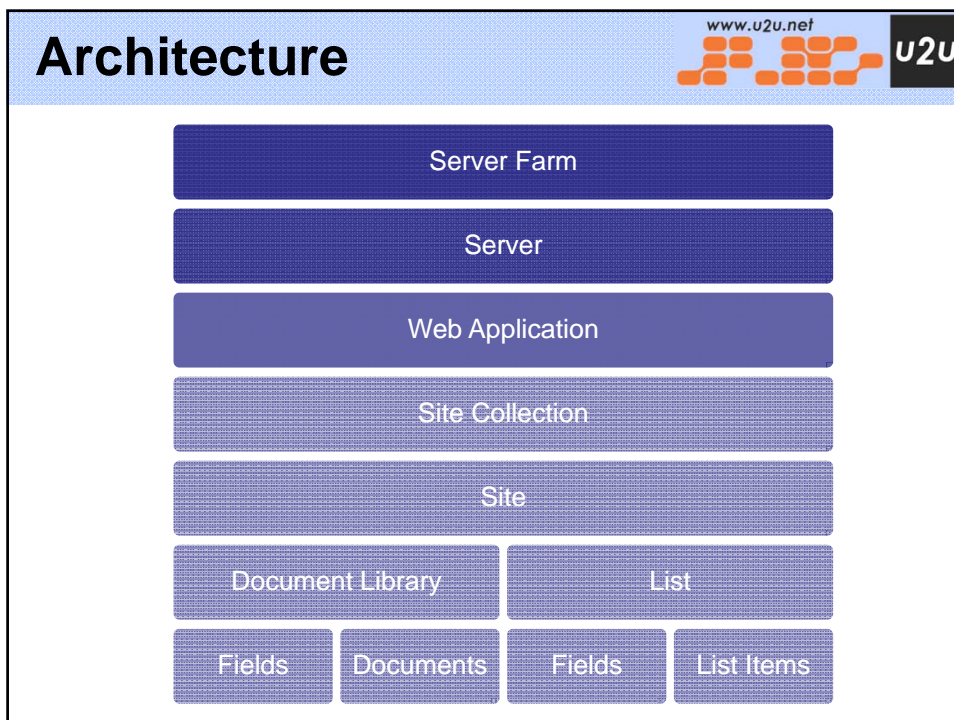
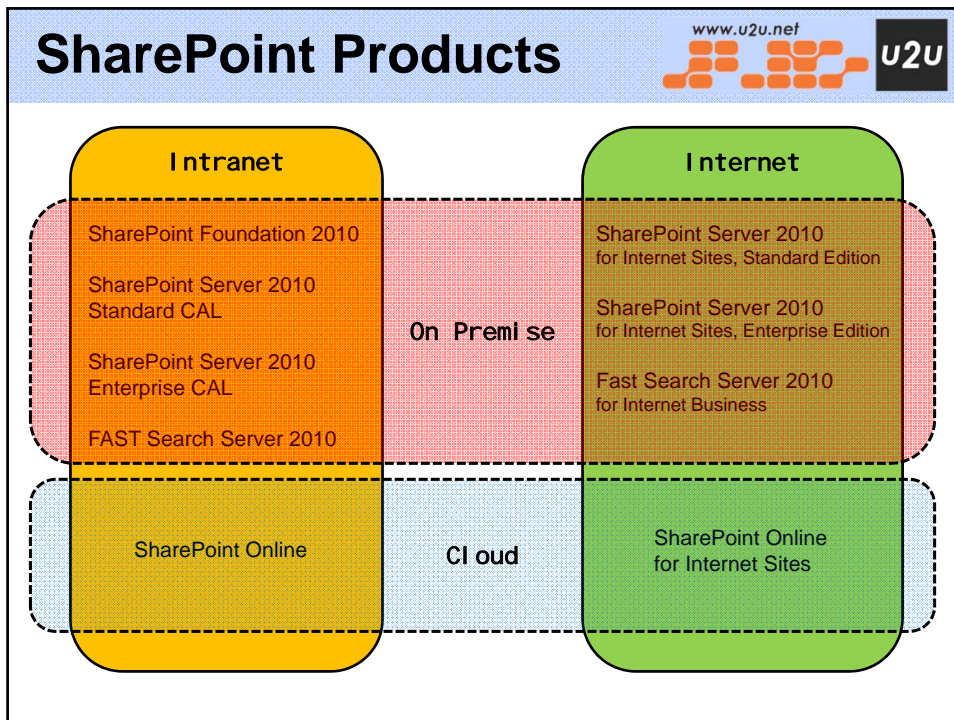
SharePoint 2010

- The **Business Collaboration Platform** for the Enterprise and the Web



The Workloads





DEMO

Working with Sites

What is SharePoint NOT? u2u

- A replacement of all your enterprise applications
- A good place to store complex relational data
- A good place to store large BLOBs
- A database engine
- An out-of-the-box solution for
- everything
- Easy for developers 😊



Customizations vs Development

- Tools to enhance, modify and change the SharePoint OOB functionality:
 - Browser
 - SharePoint Designer 2010
 - Target audience: Power Users, Developers
 - No code customizations
 - Visual Studio 2010
 - Target audience: Developers
 - Full power of the .NET framework

SharePoint Designer 2010

- Windows Application, part of Office 2010
- Free to use, just download it!
- Types of customizations:
 - Almost everything that can be customized in the browser
 - Ad hoc customizations on Pages, Master Pages, UI, Data Visualizations, ...
 - Reusable customizations for Workflows, External Data, Templates, ...

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Introducing the SharePoint Designer 2010

Sample: Workflows

- SharePoint supports workflows on items, documents and sites
 - Workflows associated with list, document library or content type
 - Workflow started and completed by user actions
- Workflows are managed using task lists
 - Workflow-related task lists use standard task list schema
 - Workflow activities create and update task items as required
- Workflows are tracked through history tables
 - Allows users to see workflow progress

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Building a Custom Reusable Workflow

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SharePoint 2010 Development

- Important enhancements:
 - Visual Studio 2010
 - Development on Client OS'es
 - Sandboxed Solutions
 - Rich API to access SharePoint data

Visual Studio 2010

- Develop, Deploy and Debug

- Item templates for:

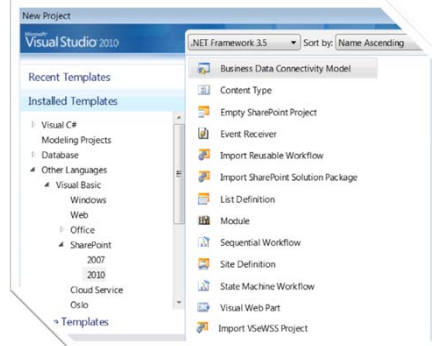
- Web Part
- BDC
- Workflows
- ...

- Package and Deploy SharePoint projects

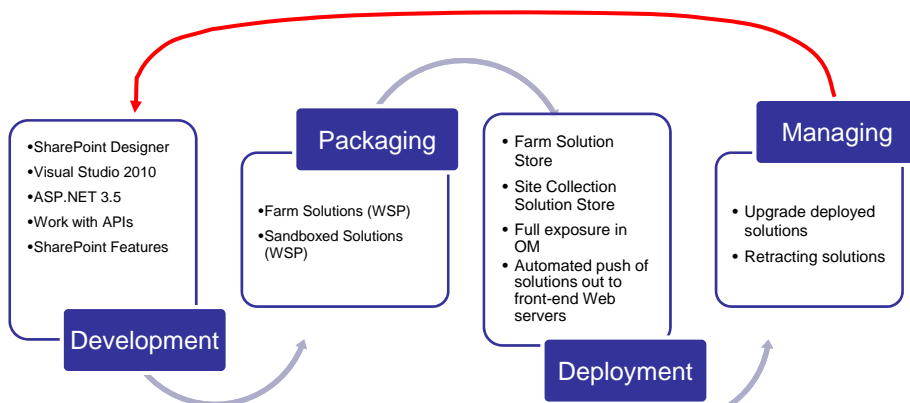
- Generate WSP for Production Deployment

- View SharePoint site in Server Explorer

- Team Foundation Server Integration



Solution Cycle

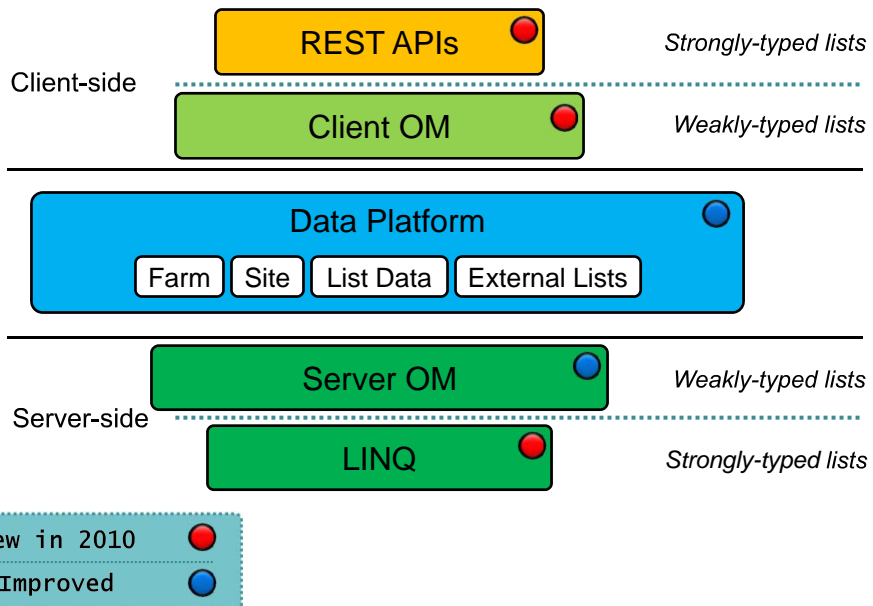


Source Control System / Unit & Integration Tests / Dev + Test + Production

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Introducing SharePoint Development in Visual Studio 2010

Overview of Data Technologies u2u



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Working with the Client Object Model

Summary

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