



Content Types European Microsoft SharePoint Conference 2007

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 Microsoft®
Office SharePoint®
Server 2007

Agenda

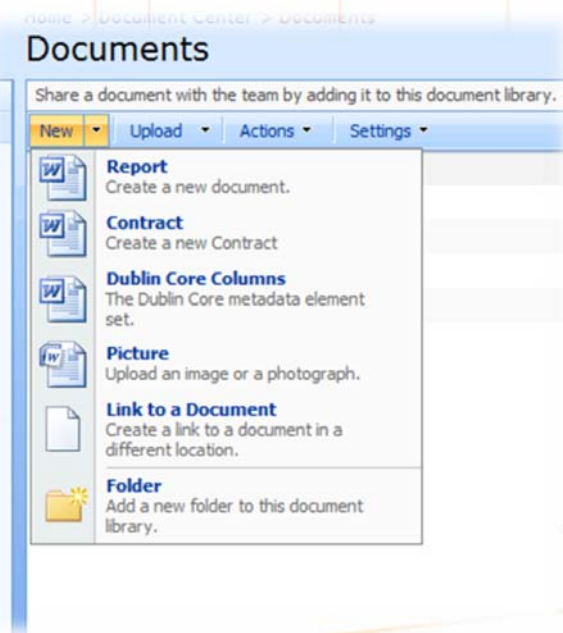
- What's a content type
- Content type creation & management
- Office client integration
- Extensibility hooks
- Building a solution on content types

Problems we tackled

- Many document types identified in my organization but no way to enforce standards
 - Typical Types
 - Expense Report
 - Contract
 - Announcement
 - Customer Record
 - HR Policy
- Need to store different types of documents in one location
- Actions available to users depend on the type of content

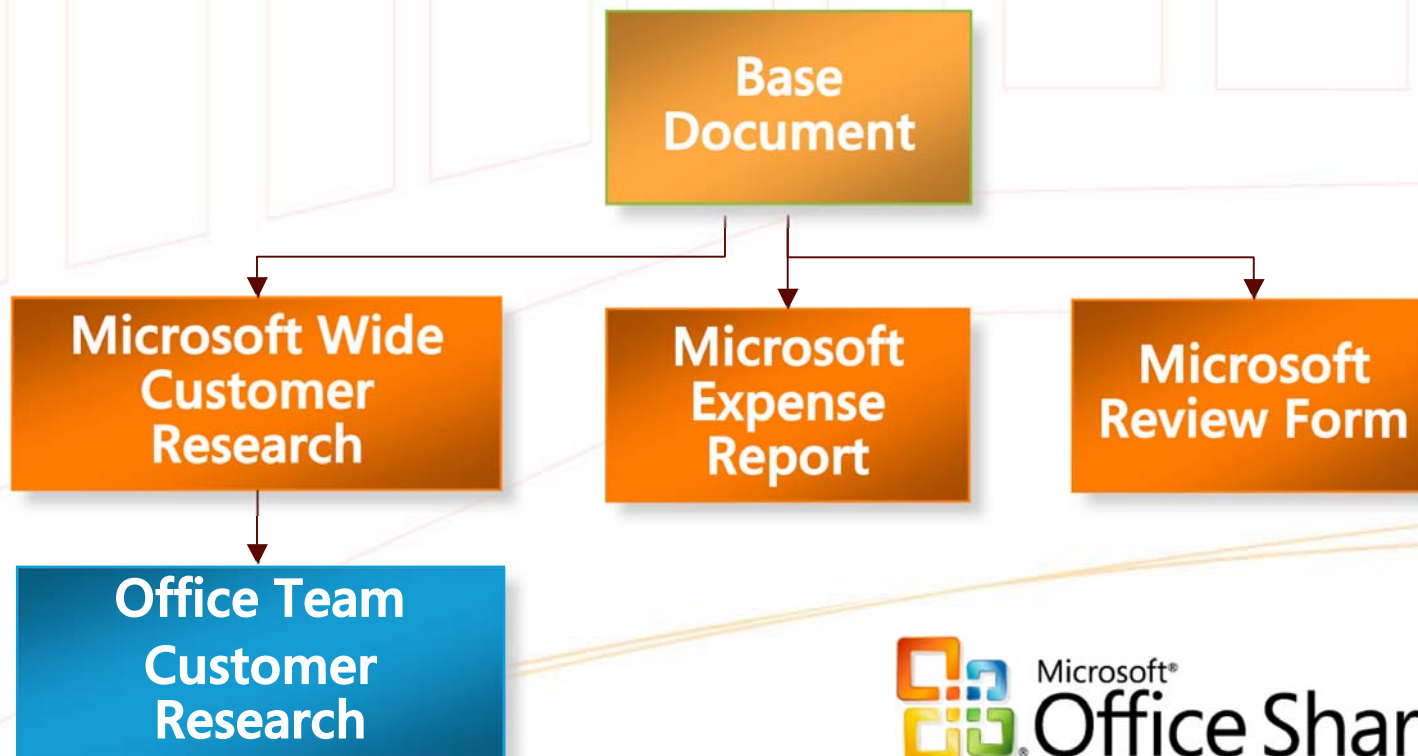
What's in a content type

- Schema Definition (Collection of fields)
 - Some fields shared between types, some unique
- Document template
- Workflows
- Policy settings
- 3rd party behaviors
 - Custom Forms
 - Custom Events
- Content Types created on a site
 - Can be re-used in multiple lists
 - Visible in all child sites
- Multiple types on a single list



Hierarchy

- Allows individual customization of an organization's types
 - "My Company" definition of a type vs. "My Team" definition



Management And Re-Use

- Types of changes to a Site Content Type
 - Add/remove fields
 - Update document template
 - Change policy
- Push down changes
 - Changes are optionally applied to existing lists or other types which inherit from it
 - Granular – Individual changes can be pushed down
- Why optionally push down changes?
 - Allow consumers of the type to make their own customizations
 - Admin can “Seal” a content type to prevent consumers from making changes

Content Type Creation/Management

demo

Metadata In Office

- New property UI: Document Information Panel
 - Metadata part of document creation
 - Visible/editable offline
- Customized using InfoPath
 - Business logic, connect to external data, etc.
- Properties easily bound into document content

The screenshot displays the Document Information Panel (DIP) in Microsoft Office. The panel is titled "Properties: Standard" and includes a legend indicating that an asterisk (*) denotes a required field. The fields are organized as follows:

Author: Microsoft Employee	Title: <input type="text"/>	Subject: <input type="text"/>	Keywords: <input type="text"/>
Category: <input type="text"/>	Status: <input type="text"/>		

The background of the slide features a faint, stylized architectural drawing of a building with multiple rectangular windows.

Office Client Integration

demo



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Content Types

Extensible Behaviors

- Full OM Support
 - Define in code or in front end XML files
 - Deployed with "features" framework
- Customizable new/edit/display forms
 - Auto-generated based on schema
 - Define a different ASCX form template
 - Define completely different ASPX forms
- Workflows by type
- Custom Settings UI
- Generic XML storage
 - Used to store solution data
- Events anchored by type

Content Types

Extensible Behaviors

- Package features and behaviors with content types instead of lists
- How we use it
 - “Web Page” type with scheduling and a complex approval process
 - “XML Document” type with ties to rich XML data extraction
 - “Discussion Thread” with custom forms and user experience
- Type can be used anywhere in the site
 - No dedicated place where content must live to benefit from a new feature

Custom Content Type: Expense Report

demo

Content Types Summary

- Centralized management of business types
 - Multiple types stored in a single location
 - Reusable definitions
 - Hierarchical management structure
- Deep integration into the Office clients
 - Metadata part of document creation process
 - Power of InfoPath for metadata collection
- Full set of extensibility hooks
 - Workflows, forms, events, custom actions
- Consider building on Content Types instead of lists

Sweepstake

Complete your Feedback form
and have a chance
to win a Zune!*



* English US version



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