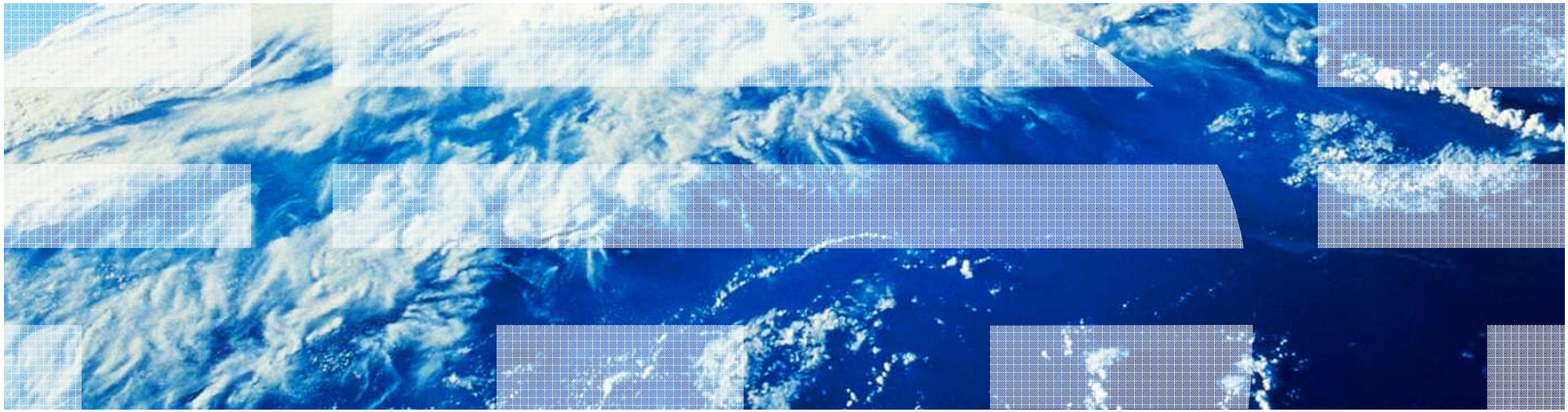
Portal Update - was kommt mit Portal und WCM V7

Dieter Roth
Sales Leader Portal, IMT Germany



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WebSphere Portal Strategie

Delivering Exceptional User Experiences:

- Deliver the **user experiences they choose** to their partners, employees, customers, or citizens, with **flexibility** for change and based on **open standards**.
- **Quickly leverage existing investments**, through market-leading composite application tooling and robust framework
- **Create highly personalized applications** that adapt to users' context, community, role, actions, location, and preferences
- **Interact with information** from the user's device of choice
- **Deliver a front-end to SOA**, enabling business flexibility and agility
- **Speed time to value** with Prebuilt Portal snap-ons for specific business problems

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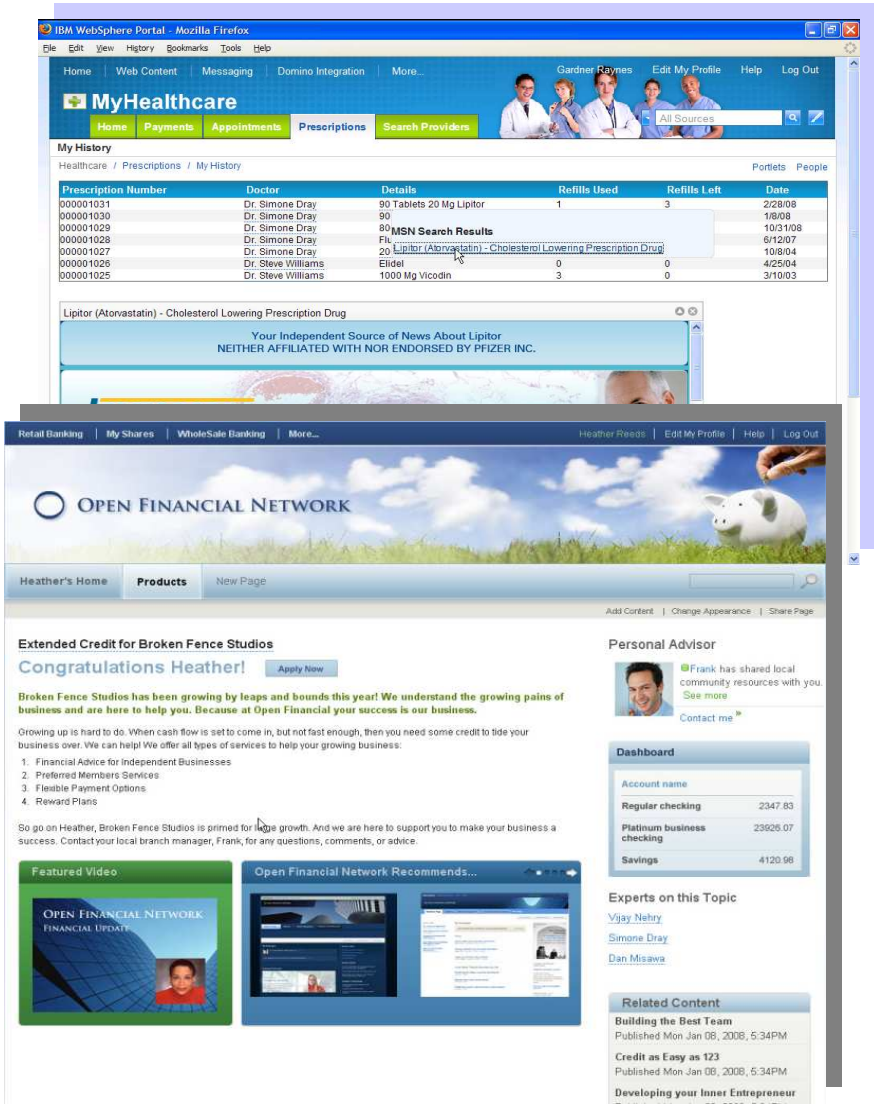
WebSphere Portal 6.1

Web 2.0 Features for Exceptional Experiences

- **User Contribution** to portal sites through our Web Content Management
- **Situational Development** through Composite Application Templates and through Lotus Designer / Portlet Factory / Forms Designer
- **User Control** of their pages through drag & drop portlet pallete and Google Gadget catalog
- **Google Gadgets** and **iWidgets** – integrate thousands of additional applications
- **Application integration with AJAX** and **REST** support for core features - context menus, search menu, administration, drag and drop portlet palette
- **Live Text** – Give users one-click access to information that "pops" on the page



Now Available in the Cloud!

http://aws.amazon.com/

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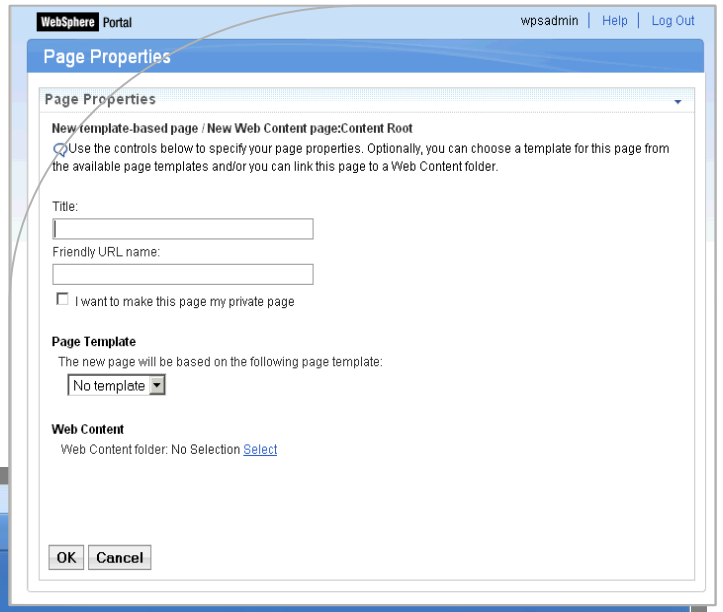
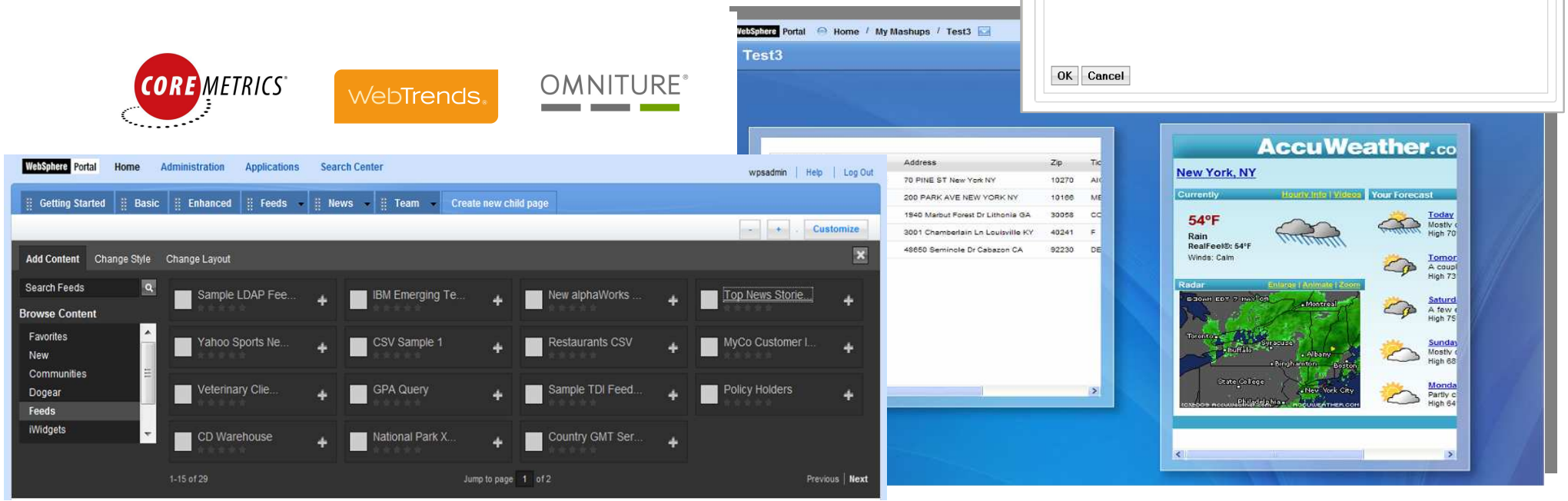
WebSphere Portal 6.1.5

Portal User Experience & Performance Optimization

- **Page Builder** *simplifies page creation*
- **Template Pages** *speed page creation*
- **Portal "Lite" Mode** *helps improve cost-of-ownership*
- **Site Analytics** *integration helps optimize Portal applications*
- **WebDAV** *expands development ease-of-use*
- **Mashup Integration** *provides rendering/creation of Mashups*



CORE METRICS · WebTrends · OMNITURE



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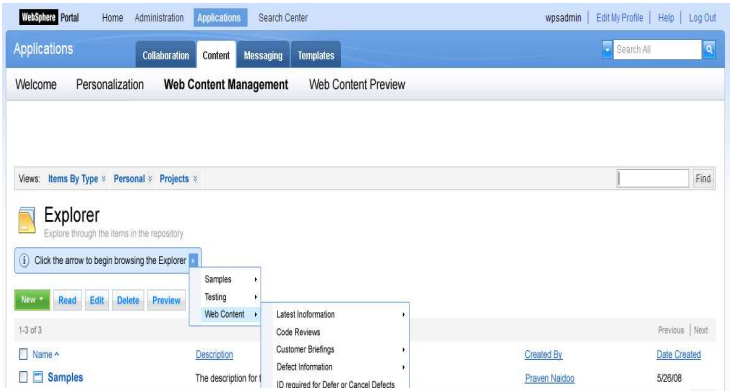
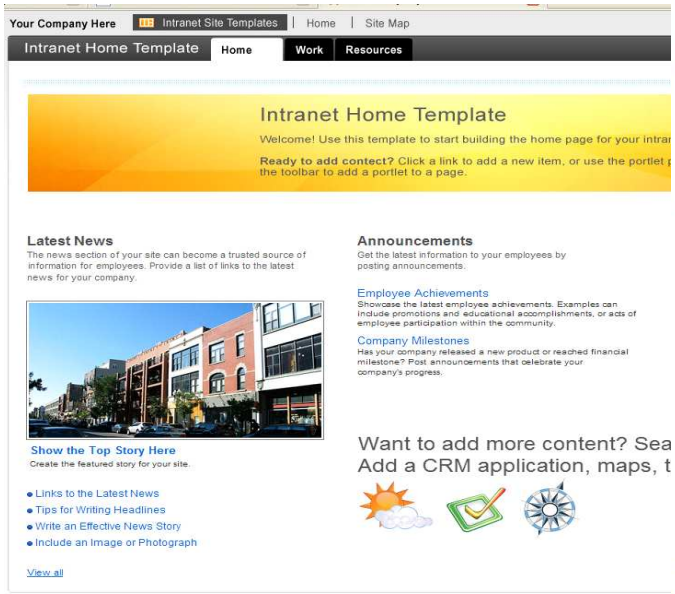
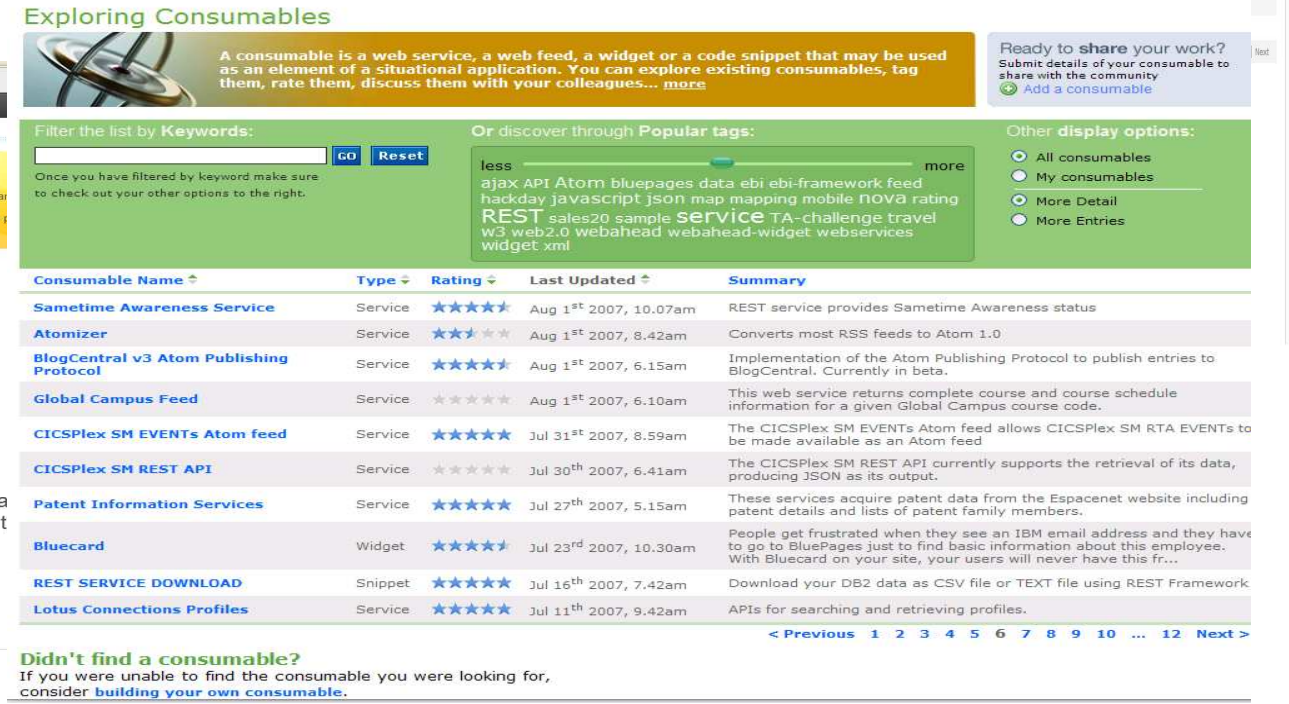
WebSphere Portal und Lotus WCM 7

Rich, Social Web Experiences, Improved TCO and Serviceability

- **New / Enhanced WCM Features** delivers rich, dynamic web experiences
- **Tagging and Rating** empowers expertise of communities
- **Virtualization support** for platform optimization
- **Serviceabilty enhancements** improve cost-of-ownership
- **New / Enhanced Site templates** speeds time to value







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V6.15 Funktionen, die in V7 eingehen:

- Virtualization
  - VMware support
  - Multiple profile support
- Portal Core
  - WebDAV
  - Active Site Analytics
- Page builder feature
  - The Tab Menu - Page Builder theme is now the default
  - Tab navigation widget with drop down menus, inline page creation, and drag and drop page re-ordering
  - Content Search to quickly find and add portlets to the page
  - Change Style - choose from a list of pre-defined visual style to apply to the page
  - Change Layout - choose from a list of pre-defined page layouts to apply to the page
- Mashup Integration
  - You can easily add content and function to your portal by integrating mashups. A mashup is a lightweight Web application created by combining information or capabilities from more than one existing source to deliver new functions and reveal new insights.
- Security
  - Impersonation allows you to access the system as another user to test out new pages and portlets. You can use this feature to troubleshoot issues encountered by different users.
  - Paging support for Puma user searches
- Miscellaneous
  - WAS 7.0 and new JDK
  - Policy: xmlAccess based configuration for sub-policies
  - People Finder: Pagination for query results
  - Person Card enhancements: Configurable duration of display for the card, Customizable Theme & Skin and Making extension Menu items framework in Person Card more robust.
  - People Picker: Integration with Person Card and Awareness

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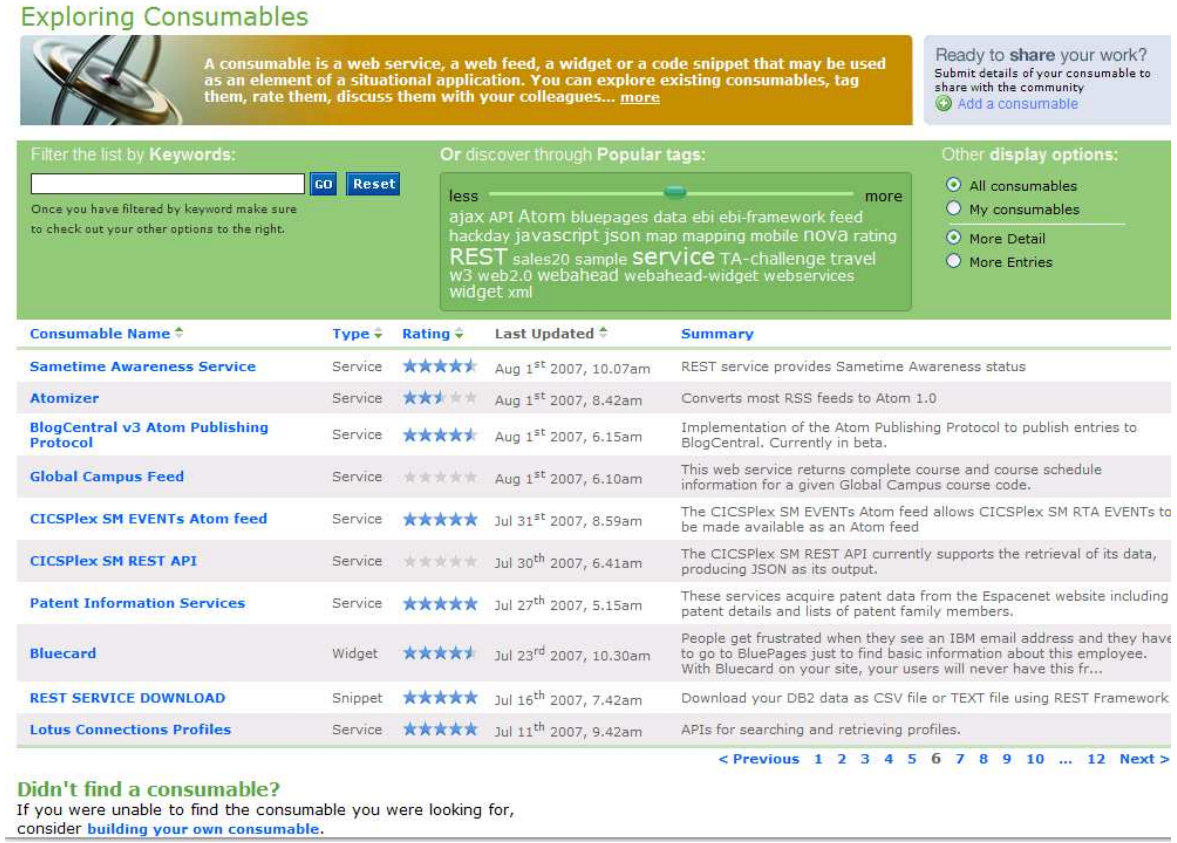
Tagging und Rating

- **Ratings** allow users to provide their input on information available through your site.
- **Tags** allows users to create a natural taxonomy of the information on your site
- WebSphere Portal **users can tag and rate content** you publish with WCM, content they create within user generated content, **and portal pages and portlets**.



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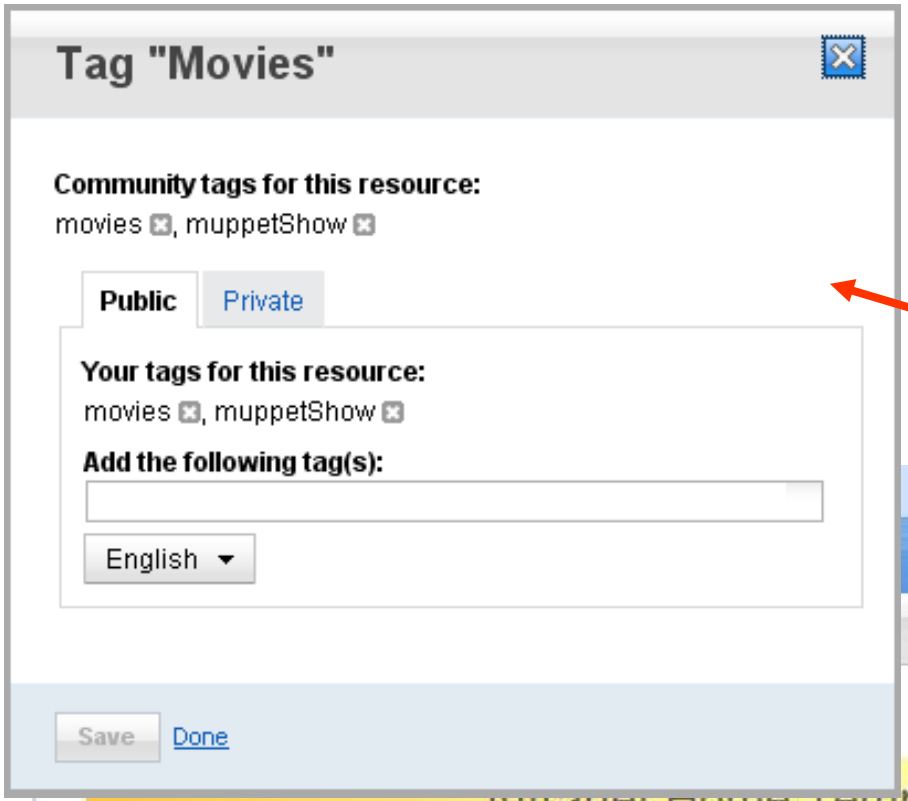
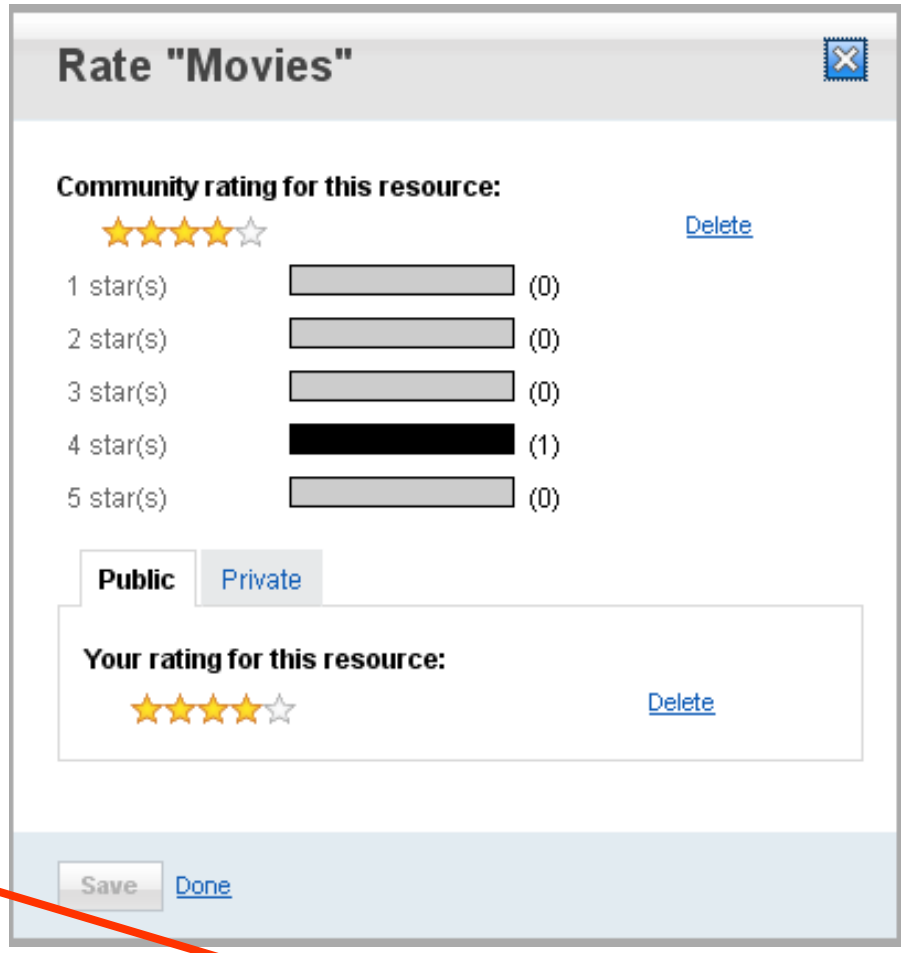
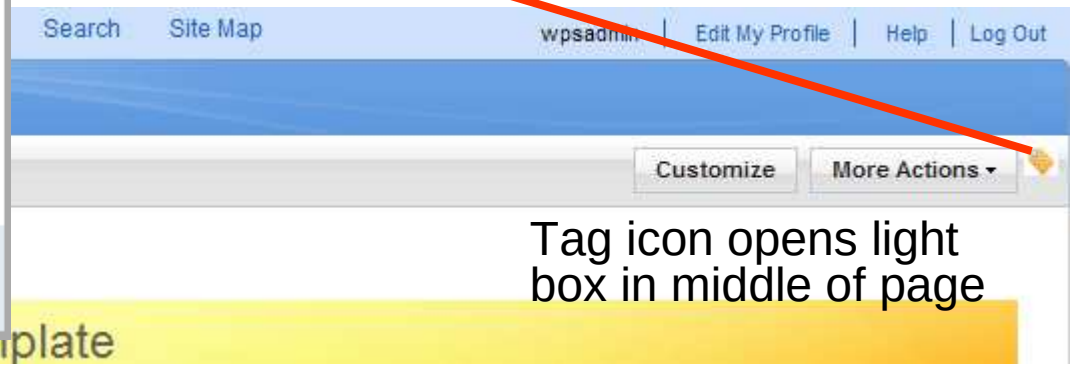
Hinzufügen von Tags

- Tagging and Rating
  - –UI widget embedded in themes/skins
  - –Hook for filtering content (for profanity, etc. scanning)







Tag icon opens light box in middle of page

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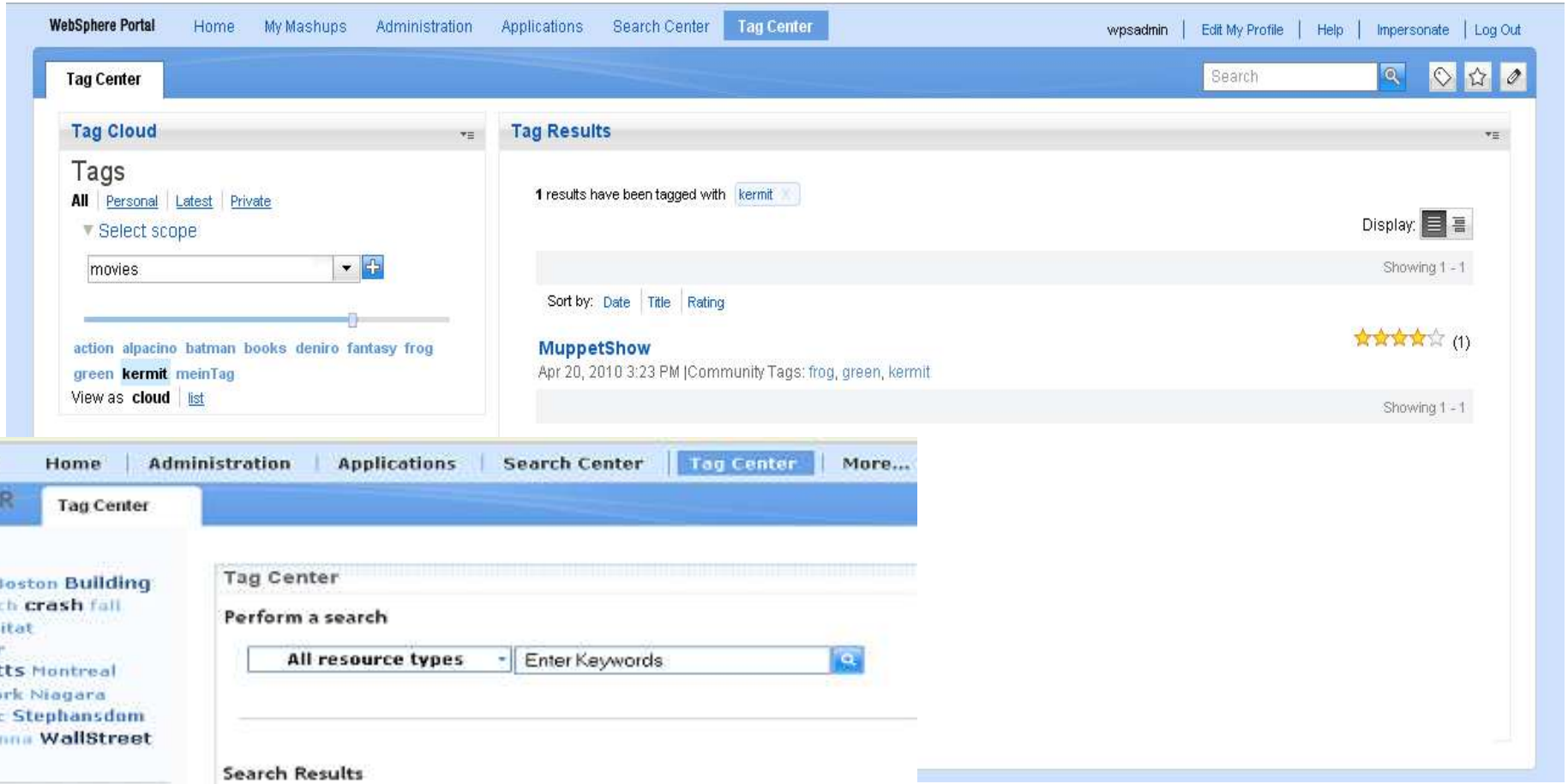
Tag Center



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Web Analytics

- WebSphere Portal partners with market-leading web analytics companies to support these use cases and more
  - Coremetrics, Omniture, WebTrends, unica
- Enabled out of the box and allows admin to turn on the insertion of appropriate scripts onto portal pages or individual portlets
  - Scripts for partner analytics products out of the box with ability to also customize to customer's choice
  - Technique to insert appropriate page, content or portlet info into the script
- Include logging for WCM content
  - Make the info available to WCM Authors
- Increased from 4 out of box metrics in 6.1.5 to 17 in Portal 7
- Ability for customers to add additional metrics

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Name	Description	Tagged as	Injected in
Page Title	**Title of the page in portal default language. Part of 6.1.5 driver (user language, not portal default language)**	**asa.page.title**	**Theme**
Portlet Window Title		**asa.portlet.title**	**Skin**
Portlet Window ID*		**asa.portlet.id**	**Skin**
WCM Content Querystring	**Available with WCM 6.1.5 build 7.9 and WCM Next**	**asa.portlet.screen.id**	**WCM Rendering Portlet**
WCM Content Title	**May not be the same as the portlet window's title. Available with WCM 6.1.5 build 7.9 and WCM Next**	**asa.portlet.screen.title**	**WCM Rendering Portlet**
Remote Producer Name	**logical name for the producer as known at consumer**	**asa.portlet.wsrp.producer**	**WSRP Proxy Portlet**
Portal-generated visitor id	**We should generate a unique visitor id in case a user has no session (common for public portals)**	**asa.visitor**	**Theme**
VP	**virtual portal identifier***	**asa.vp.id**	**Theme**
Friendly URL	**the complete friendly URL of the current page without the cruft**	**asa.url**	**Theme**
Login user	**User id of the user attempting to login**	**asa.login.user**	**Login Portlet**
Login success	**Successful login**	**asa.login.success**	**Login Portlet**
Login failure	**Login failure reason**	**asa.login.failure**	**Login Portlet**
Self registration	**The id of the user that registered as a new user**	**asa.selfregistration.user**	**Self Registration Portlet**
Page ID	**Unique id of the page***	**asa.page.id**	**Theme**
Portlet Screen	**title of screen that is displayed within the portlet**	**asa.portlet.screen.title**	**Portlet**
Portlet Screen	**id of screen***	**asa.portlet.screen.id**	**Portlet**
Search query	**Query string of the search that led to the results page / search center**	**asa.search.query**	**Search Center Portlet**
Search result count	**Number of results the query yielded**	**asa.search.results**	**Search Center Portlet**
People finder query	**Query string of the people search**	**asa.peoplefinder.query**	**People Finder**
People finder result count	**Number of results the people finder query yielded**	**asa.peoplefinder.results**	**People Finder**

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Konsolidierung der Themes/Pagebuilder2

- Consolidation of Themes
  - Single Theme fits all (SSA, CSA and Mashups)
  - Common branding for multiple themes
  - Simplified theme architecture
  - Builds on Concepts in Page Builder Theme from V6.1.5
  - Themes from previous releases continue to work unchanged
- Pagebuilder2 – das Theme der Themes:
  - Consistent, comprehendible architecture and programming model for rendering different component types (portlets, widgets, …) in different client runtimes (CSA, SSA, …)
  - Single and consistent Theme Architecture
  - Baseline for a programming model which customers can easily understand.
  - Extendable as more runtimes/component types might show up (Open Social, Flex, …)
  - Combine iWidgets and Portlets on same page
  - Leverage WSRP enabled Portlets in Client Side Mode
  - Automatically wrap iwidgets as portlets for Server Side Mode
  - Based on Dojo 1.4

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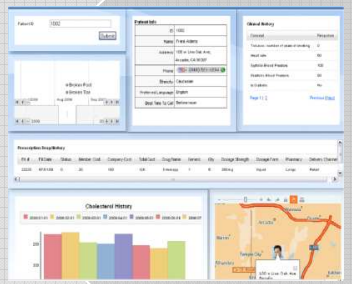
Mashup Integration und Mashup Accelerator

- Core Portal enables
  - Integrate Mashup Builder and Rendering into Core Portal allowing you to create and render Mashup pages inside portal
  - Import / Export Mashup pages from Mashup Hub
  - Share Mashup pages with other users
- Mashup Accelerator includes
  - Other features of IBM Mashup Center such as data mashup builder and feed generator

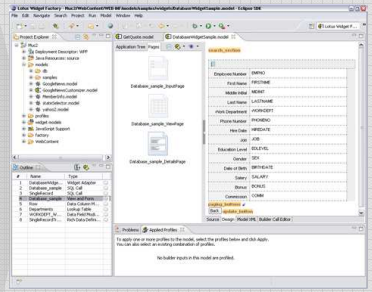
IBM Mashup Center Components:

Mashup Builder



Rapidly **assemble & share mashups** – without coding

Widget Factory

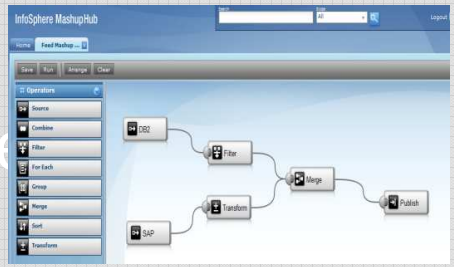


Create dynamic **widgets**

Feed Generator

Quickly & securely **generate feeds** from a wide variety of information sources

Data Mashup Builder



Remix & transform information into new feeds

Catalog

Reuse & share mashup building blocks via the **catalog**

Enterprise mashups are hardly commonplace in most businesses. But they are growing in use at an alarming rate. And until recently small start-ups controlled the world of the mashup. But that is changing — and IBM is leading the pack." -- **CMS Wire**

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Cost of Ownership

- Since V5.1 of Portal, we've introduced a lot of new features to lower the operational costs of WebSphere Portal
- config split, new scripting interface, image cloning, separating out read-only and r/w files, created more system apps for core portal code, Release Builder and Site Management,
- Improved security configuration, improved fix pack install, closer to in place migration,
- WSRP on WAS, XD support of dynamic clusters, XD support of multi-cluster routing, lazy loading of portlets,
- V7 Improvements:
  - Portlet Load Monitoring
  - Private Clouds (Cloudburst)
  - Virtual Portal enhancements
  - Enhance Portal cloning techniques
  - Support 'Portal Farms'
  - Site Management
    - Staging of additional items
      Access Control information
      URL mappings
      Portlet Edit Settings
      WSRP portlet instances
    - Hooks for coordinating WCM and Pzn rule publish

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Virtualization and Multiple Profile Support

- Vmware is a fully supported and tested environment
- WebSphere Portal and Lotus Web Content Management Hypervisor Editions (Preconfigured virtualized image may be run in IBM Cloudburst environment)
  - Now available on Version 6.1.5 in Beta test (on AWS)
  - One Developer AMI
  - Two “Production Ready” AMIs
  - Lotus Web Content Management Standard Edition
  - WebSphere Portal Server and Lotus Web Content Management Standard Edition
  - Easy Creation and customization of Portal and Web sites
- Leverage WebSphere Application Server 7 template to build Portal profile
- Create Multiple portal profiles
  - Archive a profile and use it to jump start a new cluster node
  - Enable creation of additional Portal profiles without re-installing Portal, utilizing the same Portal binaries
  - Each Portal profile is an independent run-time, and can be separately utilized as a stand-alone Portal, a member of a Portal Farm, or a federated/clustered Portal server
  - No pre-defined limit on the number of additional profiles that can be created
  - Profiles can be created at any time after Portal installation

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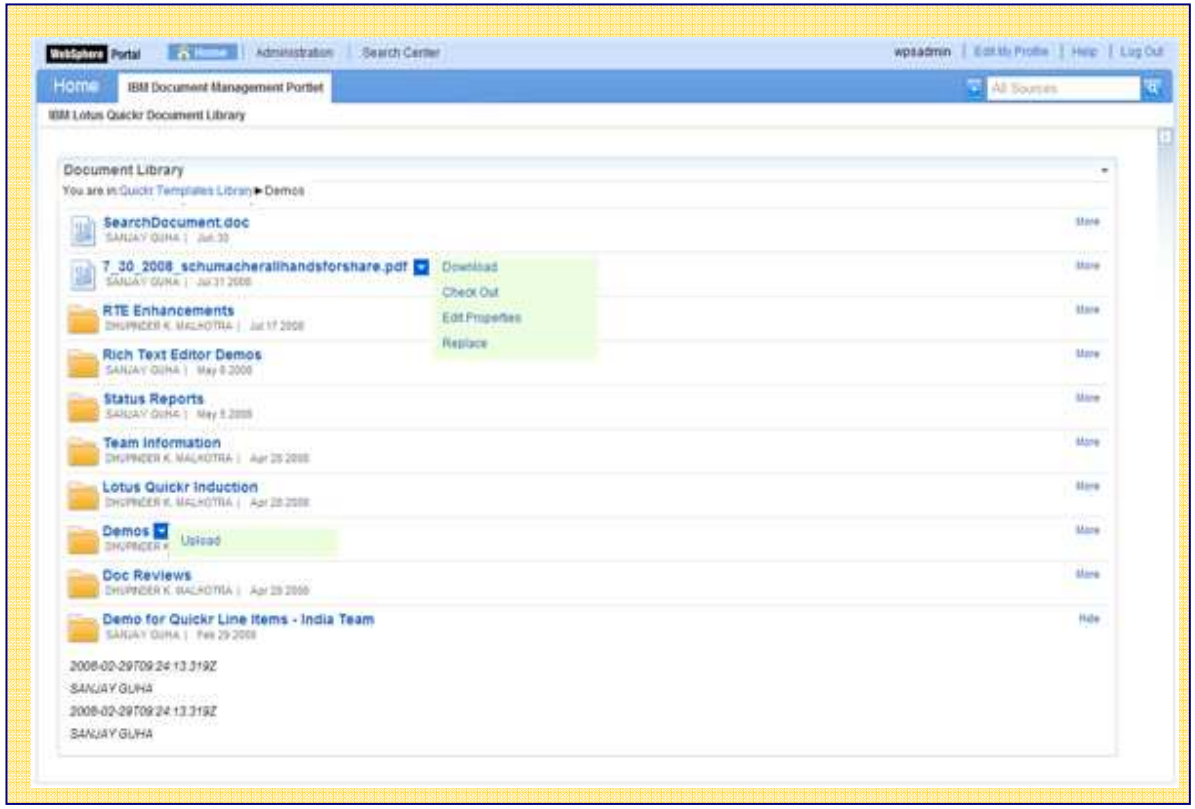
New IBM Document Management Portlet*

- Provides the fastest and easiest way to deliver comprehensive IBM Lotus Quickr document management capabilities natively in IBM WebSphere Portal

- Key features:
  - View, upload and replace documents
  - Browse and navigate document libraries
  - Edit and view default and custom document meta-data

- Enterprise ready via support for:
  - Single Sign-On LTPA based authentication
  - High-performance paged access to IBM Lotus Quickr services

- Enables unlimited customization via IBM WebSphere Portlet Factory for unparalleled flexibility



* To be available on Portal Catalog 1H 2010

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Search Enhancements

- Search support for tagged items
- Update Portal Core Search engine to Lucene:
  - Aligns with IBM strategy: Joint effort across IM, Lotus and Research to form a common search library, IBM Lucene Extension Library (ILEL) which is developing extensions to extend / improve Apache Lucene.
- Expose Java Content Repository (JCR) contents via Seedlist:
  - Administrator can configure a Seedlist crawler over JCR content. PSE crawls the JCR content through a Seedlist and can later search over that content, through the Search Center.
- WAS Configuration Service support to define and automate install of pre-configured search services

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Migration

- Move from a ‘migration experience’ to an ‘upgrade experience’
  - –From Portal V6.1 on WAS 6.1
    - Run standard WAS upgrade/migration
    - This results in the customer’s customized Portal V6.1 running on WAS 7.0
  - –From Portal V6.1 on WAS 7.0
    - ‘upgrade’ Portal V6.1 to Portal V Next, replacing Portal binaries, but re-using existing DBs and configs
- From Portal V6.0 to Portal V Next is supported as well, but will be more of the typical migration experience

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Lotus WCM V7

- Easier authoring
  - More granular and personal authoring views
  - Fly outs to reduce clicks
  - New folder metaphor lets users see what they can access
- User-focused, context-aware UX
  - “Projects” let you bundle groups of changes together, staged, and preview in context of a live site
  - Syndication and workflow enhancements enhance review / approval process
- Multi-locale content management
  - Enable the delivery of translated WCM templates
  - Dynamic translations for meta-data and design-element fields shown in the authoring interface
- Improved Portal-WCM convergence
  - Friendlier URLs
  - WCM leverages portal page hierarchy
  - Render entire WCM managed pages along side standard Portal pages
  - Portal V7 introduces tagging and rating
    - Users can tag pages, portlets and most importantly WCM content
    - WCM provides presentation tags to enable customers to display and edit tags and ratings on their content

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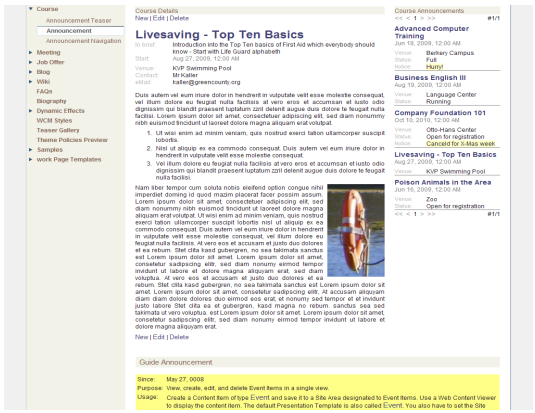
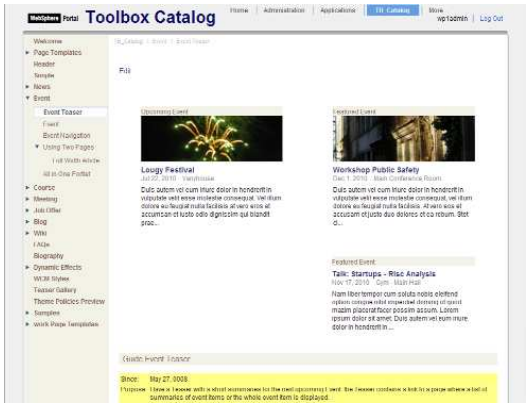
WebSphere Portal Content Templates Catalog

News Overview

News

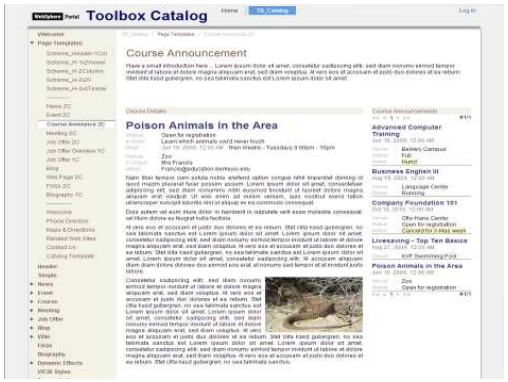


Events



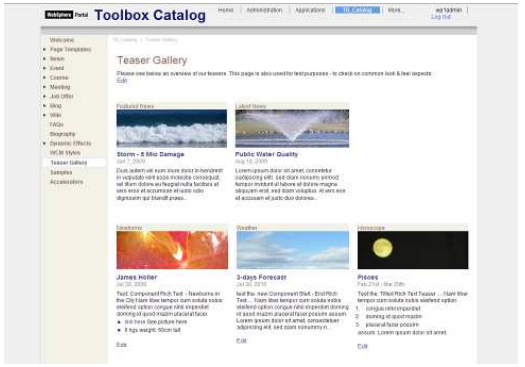
Landing Pages

Biographies



Training Announcements

Interactive Animations



Flexible Teasers

Comprehensive set of web content types and presentations…

On the Portal Catalog: http://www-01.ibm.com/software/brandcatalog/portal/portal/details?catalog.label=1WP1002G6

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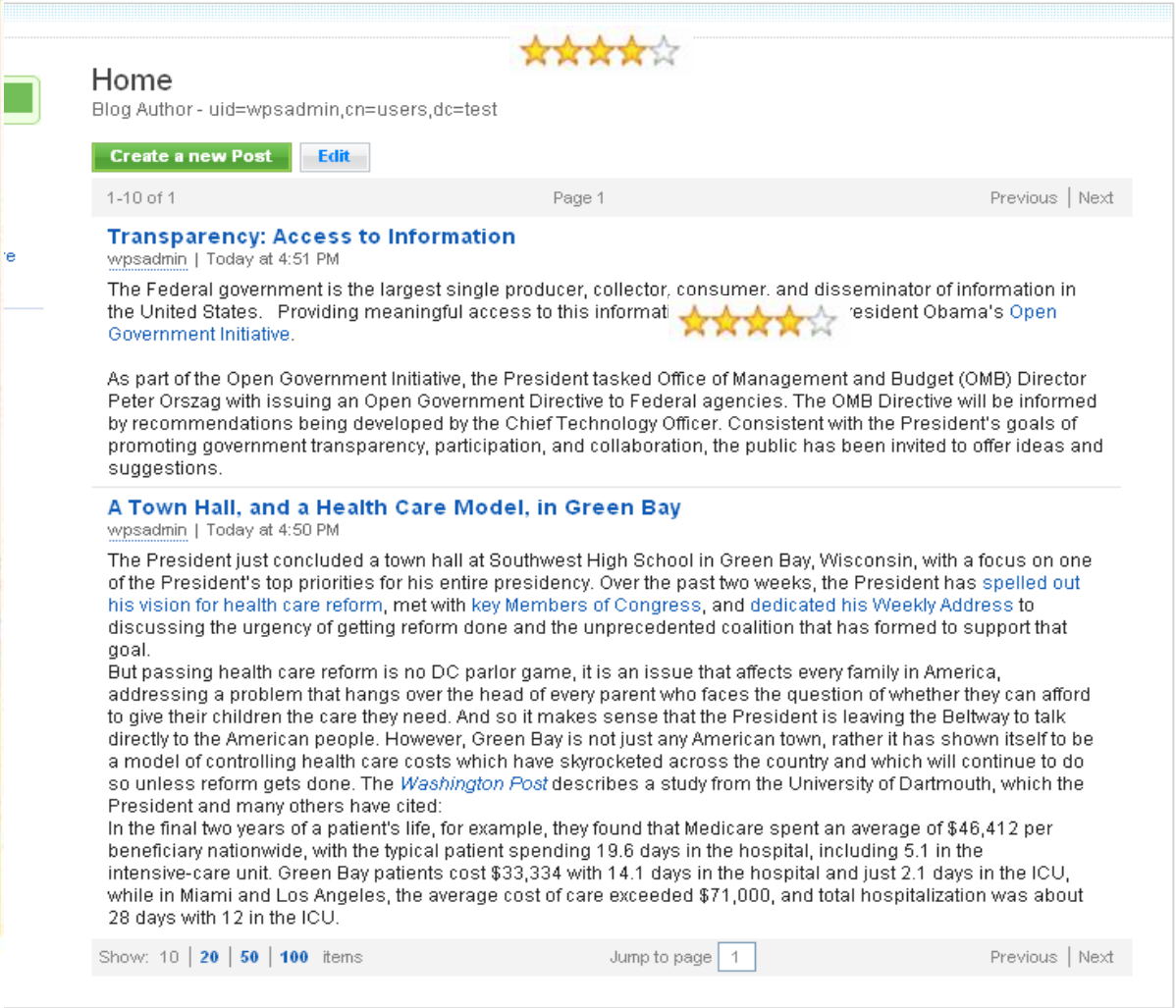
Blogs und Wikis

- Improvements from V6.1.5
  - Better NLS enablement via new WCM APIs
  - Some UX improvement to creating Blog
  - Use of Tagging and Rating tags



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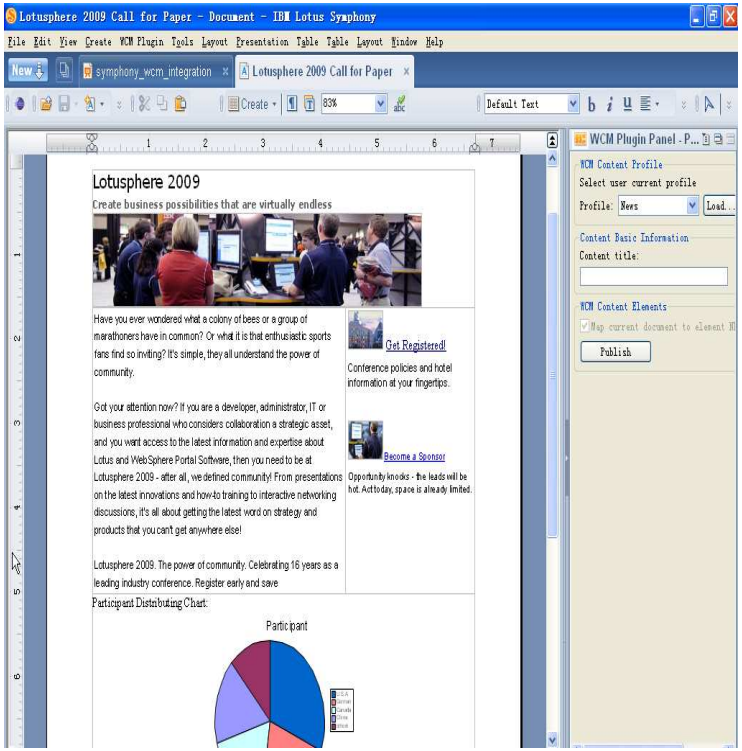
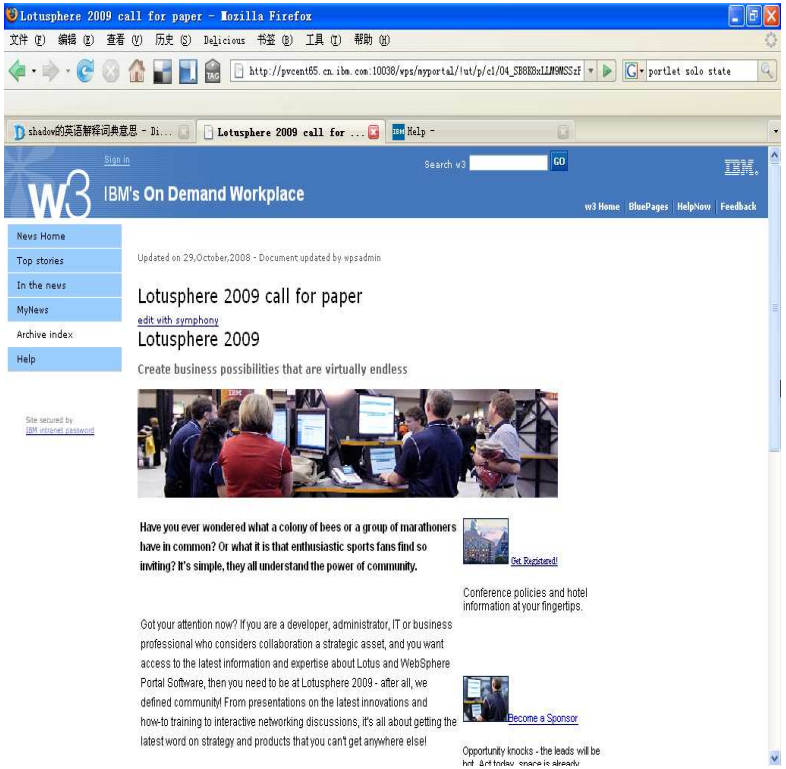
WCM/Symphony Integration (catalog delivery)

- Leverage the power of Lotus Symphony to enhance the experience of WCM content creation processes
  - Leverage Lotus Symphony rich text editing
  - Simplify WCM authoring processes



Publish

Edit



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Mobile Portal Accelerator V7

An Exceptional Web Experience on each device

1

WebSphere Portal Next Currency

Tighter integration with Portal Next (APIs and logging),WAS 7.0, Component updates to MCS 5.3 and MAP 5.3, zLinux support.

2

Ease of use / User Experience

Accelerate time-to-value with How-To mobile development samples, papers & articles. Improved installation. Mobile Toolkit updates.

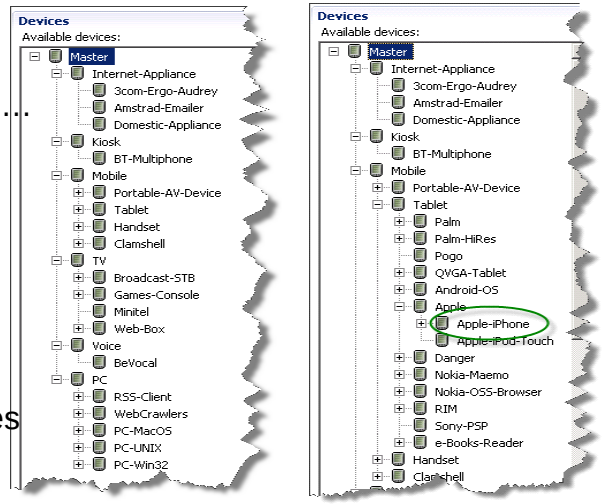
3

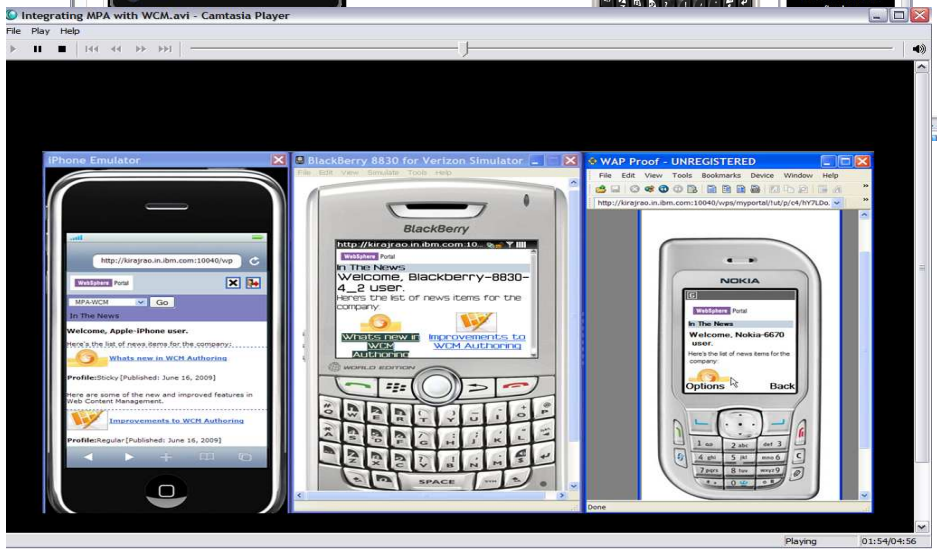
Customer Support

Problem determination and serviceability. Standardize to Portal APIs and Portal logging, and eliminate updates to WPS.ear.

Rich Mobile Device Repository

- Over 7,000 devices and growing…
- Up to 600+ attributes per device
- Robust Device Identification
- compressed XML file in RAD
- DB based on Server (DB2, Oracle, SQL Server)
- Inheritance/fallback
- Device Attributes, Design Policies
- Device update service





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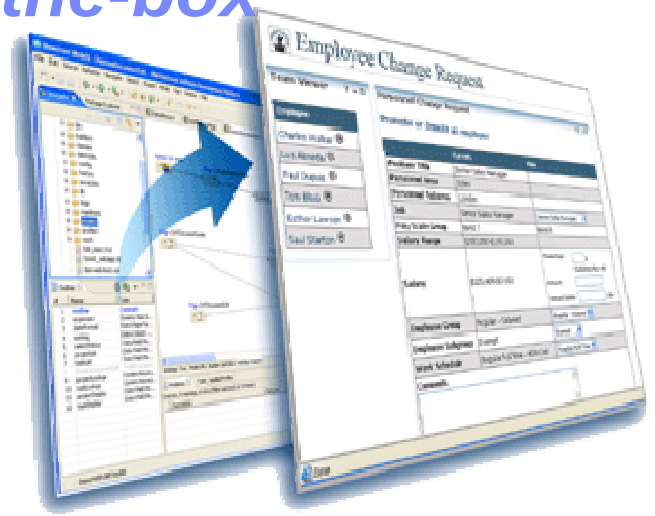
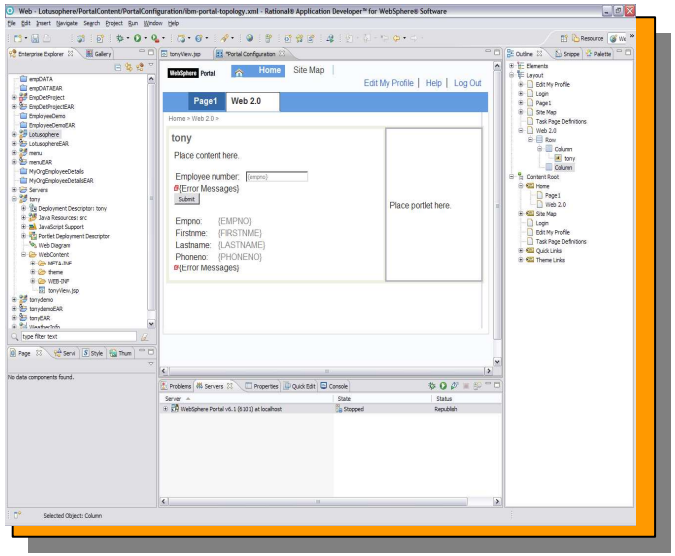
Portal Tooling Themen für 2010

Exceptional Web Experiences Out-of-the-box

1. ***Improved Generated User Interface***
   Lots more Dojo!
2. ***Ease of Use***
3. ***Performance & Scalability***
4. ***Platform Support***
   Exploit Portal Next features. Portlet & iWidget development



Portlet Factory Next



RAD Portal Toolkit Next

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IBM Industry Toolboxes

Reusable assets and resources for WebSphere Portal

•Content Templates Catalog

The IBM WebSphere Portal Content Templates Catalog gives you a quick start for using IBM Lotus Web Content Management when creating portal sites. The catalog contains template definitions for creating dynamic Web content.

•Checklists

The IBM WebSphere Portal Checklists organize and display tasks that users must complete to accomplish tasks.

•Unified Task List portlet

The IBM Unified Task List portlet aggregates tasks and activities from multiple systems into a single user interface. WebSphere Portal users access the Unified Task List portlet to view all tasks relevant to them and can then complete these tasks and activities in order to advance workflows.

•eBanking portlets

The IBM WebSphere Portal eBanking portlets provides several customizable portlets that deliver a range of electronic banking services.

•Self Registration portlet

The IBM WebSphere Portal Self Registration portlet package consists of several models that provide a presentation layer where portal users perform registration tasks. The presentation layer interacts with a service provider layer that uses Portal User Management Architecture (PUMA) interfaces to access, create, modify, and delete data in the WebSphere Portal user registry.

•Tag Cloud portlet

The IBM WebSphere Portal Tag Cloud portlet provides a visual, stylized representation of the occurrences of words used as tags.

•Content Teaser portlet

The IBM WebSphere Portal Content Teaser portlet is a customizable portlet that allows content providers to provide a visually appealing way to link into their content.

•Sametime Chat portlet

The IBM WebSphere Portal Sametime Chat portlet provides real time communication capabilities on your portal, by leveraging your existing IBM Lotus Sametime infrastructure.

•Portlet Skins

The IBM WebSphere Portal Skins provides a few samples of custom portlet skins which are rendered with rounded corners and with gradients as background images.

http://www-10.lotus.com/ldd/portalwiki.nsf/dx/Reusable_assets_and_resources_for_WebSphere_Portal

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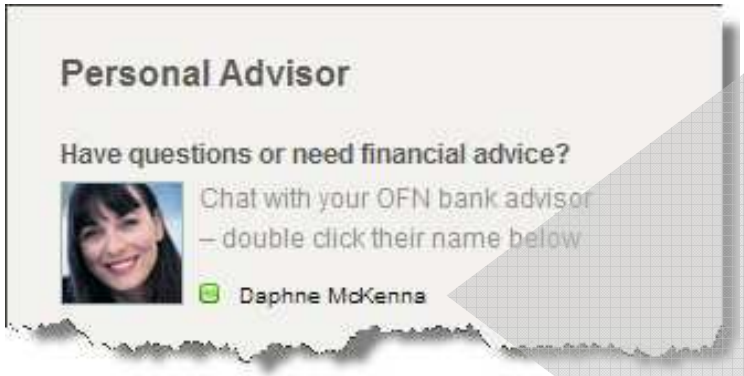
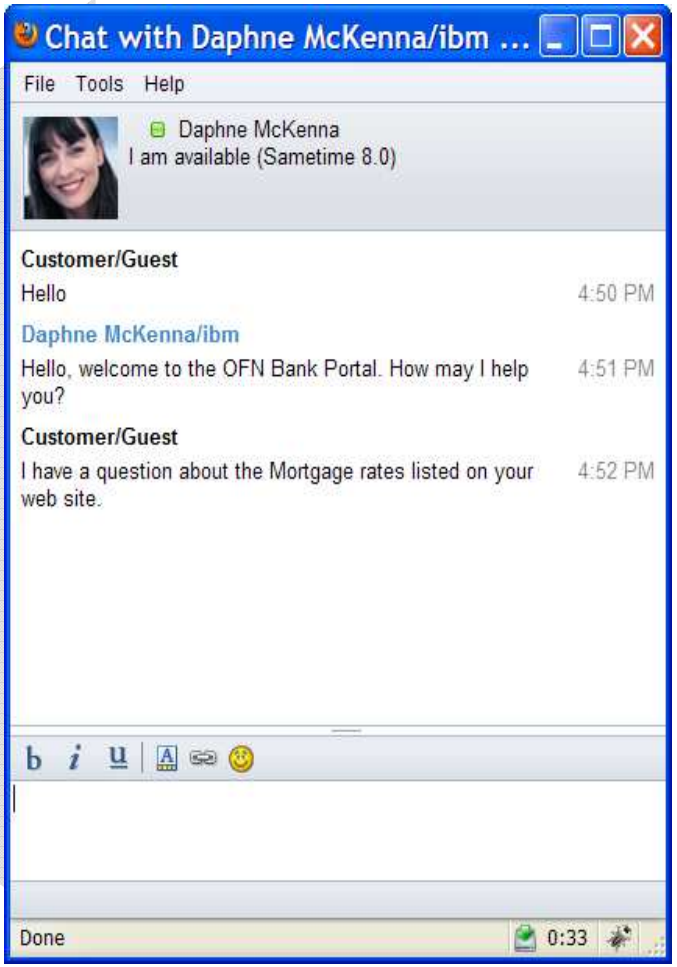
Live Help - Sametime 8.5 Chat Portlet

- Integrates with new Sametime 8.5 Proxy Server
- Launches web-based, zero-download chat client
- Configurable Personal Advisor assignment based on personalization rule
- Customizable, built with Portlet Factory





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Easy Theme Customization with Page Builder

- Based on new Page Builder theme from Portal 6.1.5
- Easy style and layout customization
- Four new Custom page layouts

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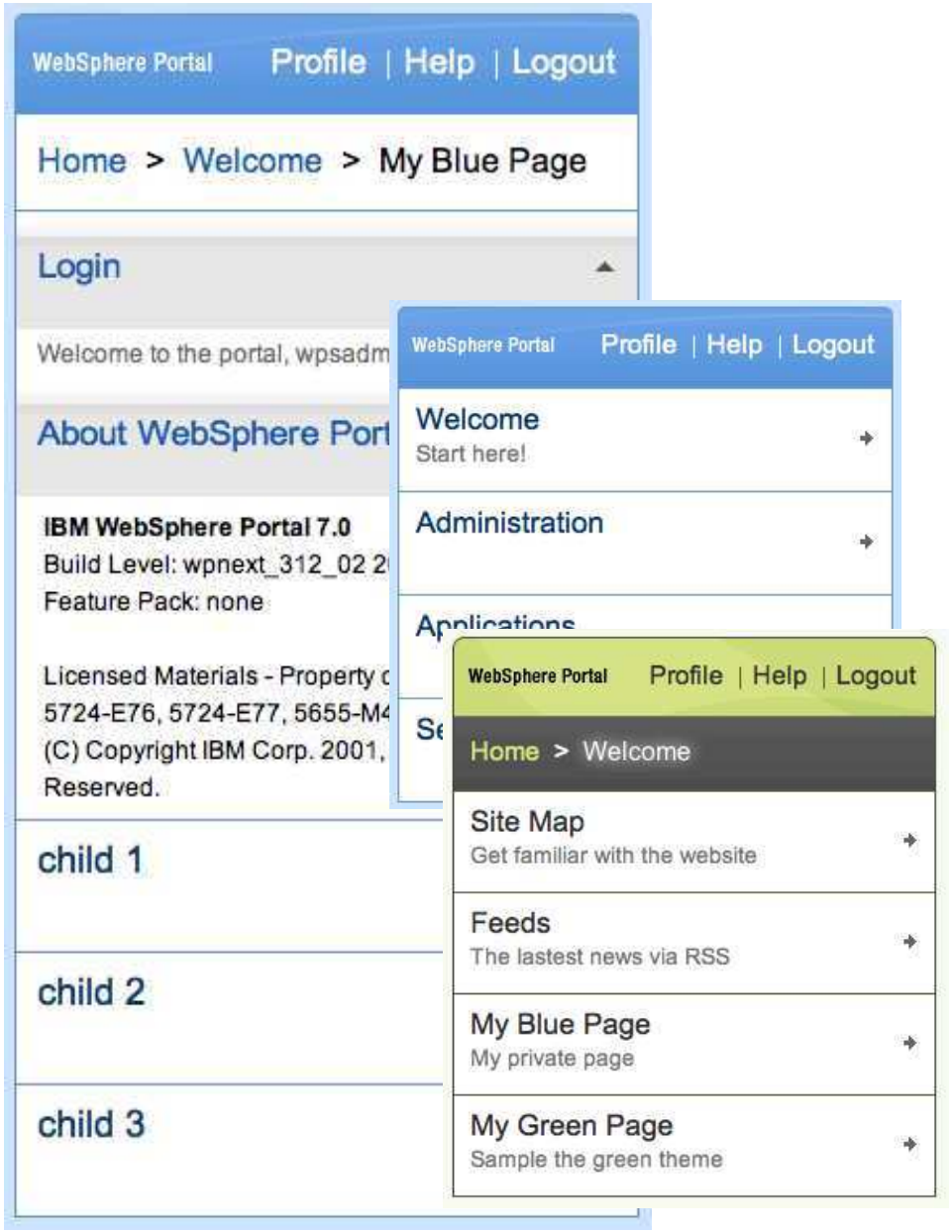
Mobile Device Themes

Objective:

- Mobile devices with internet capabilities are becoming increasingly popular. Oftentimes, web authors will create a version of their site that is optimized for viewing on a specific mobile device or a smaller known set of mobile devices (e.g. iPhone, Blackberry, Android,..).

Solution:

- Dedicated Theme: Use WebSphere Portal's built-in support for markups and client detection to redirect mobile users to a specialized new theme.
- Combined Theme: Display all content as it is seen on a traditional browser and device support is added into a single theme.



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