What’s New in WebSphere Portal 6.1.5 and Web 2.0?

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WebSphere Portal Solutions

Deliver Exceptional User Experiences
- Drive revenue and loyalty with customers
- Integrate effectively with partners
- Enable productive employee web interactions

Significantly Reduce Costs
- Fastest time-to-market
- Up to 50% in labor and other cost savings
Exceptional Consumer Web Experiences

Growing Priority: 75% of new Portal projects
WebSphere Portal 6.1
Rich set of Web 2.0 Features Help Deliver Exceptional User 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 pallette 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/
Product Strategy

Continue to improve Portal’s ability to deliver exceptional web experiences

- Lotus Web Content Management (LWCM) enhancements
- Improved LWCM and Portal Integration
- Site Management, page design enhancements
- Web Analytics integration
- Page builder, Mashup integration

Further lower the cost of ownership

- Performance and other operational improvements
- Simplify and lower migration costs
- Tooling Enhancements
- Continue the success of the continuous and open beta
WebSphere Portal 6.1.5 – Coming Next *

Planned Features

- **Page Builder** simplifies page creation making it easy for business users to create pages and add content to pages.
- **Portal “Lite” Mode** helps improve cost-of-ownership by dramatically reducing portal start-up time.
- **Integrated Site Analytics** support helps to optimize Portal applications via integration with popular 3rd party solutions.
- **WebDAV** support expands development ease-of-use by enabling direct editing of Portal pages using tools such as Dreamweaver®.
- **Template Page** capability speeds page creation by allowing Portal pages to act as templates when creating other new Portal pages.
- **Mashup Integration** support provides rendering/creation of Mashups directly in Portal as Portal page.

*Product release dates and/or capabilities referenced in these materials may change at any time at IBM’s sole discretion based on market opportunities or other factors, and are not intended to be a commitment to future product or feature availability in any way.*
What is the 6.1.5 Feature Pack

- The Feature Pack adds additional features on the base 6.1.0.3 WebSphere Portal
  - Allows to add additional features without requiring you to move to a major new version of the application server and portal

- You have the ability to either
  - Do a full install of 6.1.5, which installs 6.1.0.3 under the covers
  - Do an upgrade from 6.1.0.3 to 6.1.5 with an additional config task

- 6.1.5 will be serviced in parallel with the 6.1 stream
  - Each update of 6.1, like 6.1.0.4, will contain the updates for 6.1.5 too (e.g. 6.1.5.1)
  - If 6.1.5 is not enabled they will just be sitting there uninstalled in a zip file
    - Customer can enable it at any point in time, e.g. On 6.1.0.4 and will get the latest version of 6.1.5 installed

- 6103 and 615 will be shipped end of 2009
New features in WebSphere Portal 6.1.5

- WebSphere Portal
  - New advanced theme with a new page builder
  - New way of sharing pages
  - Support of site analytics frameworks
  - Portal template pages
  - Allow access to portal via WebDAV
  - WebDAV access to filestore
  - Portal light mode (lazy instantiation of portlets)
  - Impersonation
  - Upgrade to dojo 1.3.2
  - People finder enhancements
  - Additional APIs
New features in WebSphere Portal 6.1.5 (cont'd)

- Mashups
  - Deploy and run widgets and mashup pages in portal
  - Connect to Mashup Hub to download and deploy new widgets on portal
  - Includes parts of the Mashup Center 2.0 runtime
New features in Lotus Web Content Management 6.1.5

- Lotus Web Content Management (WCM)
  - Updated and enhanced JSR 286 rendering portlet
  - Ephox Rich Text Editor
  - Allow access to WCM via WebDAV
  - Integration with other document management systems (Quickr, FileNet, Content Manager)
- Web Content Integrator
- Templates for Wikis, Blogs and Comments
- Support of large content items
- Enhanced syndication reporting portlet
- Plug-point for doing upload validation
- Additional APIs
Overall goal: Improved Portal User Experience

- WebSphere Portal V6.1.5 enables portal users to *create and edit mashups* within WebSphere Portal as well as to *deploy mashups* made in Mashup Center to their portal pages.

- *Simplified user experience* enables authorized users to *create or customize portal pages* gathering corporate information, internet searches, ATOM feeds and REST services.

- *Share pages or mashups* with other portal users quickly and easily
  - Build one page or entire sites under I/T control and management, but without I/T’s direct involvement and share them without help from a portal admin.

- *Simplified page administration* in-line
  - Simple, tabbed, view of mainline page management tasks that is usable by a non-admin user.
  - Drag-and-drop to move pages.
Overall goal: Improved Portal User Experience

- **Simplified theme customization** with new themes
  - Theme customizer taken to the next level

- **Easy to create new pages** for non-admin users
  - Either directly in-line via new advanced theme or
  - Using template pages

- Dramatically reduced clicks to **create Web Content pages**
  - Template pages makes it easy for authors to create new pages
  - Portal pages can be linked to WCM site areas
    - New JSR 286 rendering portlets pick up automatically this page context
    - Linking cross pages automatically works
    - In-context search links automatically work

- Easy to **choose a different Rich Text Editor** for WCM content

- Simple to **access portal content from rich clients**
  - Create static pages or presentation templates with Adobe Dreamweaver
**Page builder / advanced theme**

- Dramatically simplify creating pages
  - Make it easy for business users to create pages and add content to pages
- Move away from HTML tables and use HTML div
  - Smaller and fast loading page code
  - Based on dojo widgets
  - New widgets for navigation, search, etc. can easily embedded in custom themes
- Leverage OneUI CSS styles
  - Consistent look and feel with other Lotus products
- Simplify the theme programming model
  - Use JSP EL beans instead of tags
Page builder UI – creating a new page

- Just click on New Tab to create a new page
- Use drag and drop to re-order pages
- Drop down page navigation
Page builder UI – adding content to a page
Page builder UI – new theme customizer

- Change style and layout in place
Sharing pages

- End users sharing a portal or mashup page to a user or group of users
**Portal template pages**

- Allow to define portal pages that can act as templates when creating a new portal page
  - Can be dynamic or static portal pages
- All pages under a specific label are treated as possible template pages
  - Only one hierarchy level support for now
- All page settings are copied when the new page is created
  - Themes, theme policies, skins, meta data, portlets, portlet preferences (edit_defaults)
- Can be used for normal and web content pages
- Restrictions in 615
  - Does not work with new page builder theme
  - Changes to the template page cannot be propagated to already created pages from that template
Portal template pages

- Admin view of all page templates available
- Simple to add new template via create new page

- Create portal pages easily based on templates
- Having a Web Content folder attached to the page is now optional
Site analytics

- WebSphere Portal is teaming up with partners to provide best-of-breed website analytic integration
- Allow client-side site analytics
  - Based on single pixel / script technology
  - Instrumentation added in new page builder theme
  - Can be also added to existing themes
  - Using microformat tags
  - Including WCM content
- Management done via page meta data
  - Allowing admins to turn on the insertion of appropriate scripts onto portal pages or individual portlets
- Will work with 3rd party products like Coremetrics, Omniture, WebTrends
  - Reference WPLC Tech Talk September 16, 2009 “New Options for Web Analytics in IBM WebSphere Portal”
WebDAV support for portal

- Allows you to browse portal pages
  - Change localization information of pages, like title
  - Change meta data of pages
- Edit static pages
  - e.g. Via external tools like Adobe Dreamweaver
WebDAV support for portal

WebDAV view of portal pages
File store for Widgets and Portlets with access via WebDAV

- Allow widgets and portlets to store files in JCR via WebDAV
- Two different areas
  - Public
    - Everyone can read, authenticated users can write
  - Users/{username}
    - User with username can read and write
    - Subfolder /public
      - All other users can read

- Plan is to move to WCM in Portal V 7.0 as underlying implementation to get additional features, like syndication and versioning
**Impersonation of Users**

- Provides the ability to enable “empowered users” to impersonate a different user
  - for navigation, customized pages and customized portlets
  - does not extend to access to secure, back end content and applications.

- Useful in scenarios:
  - Helpdesk/Support, Administrative Support
Upgrade to dojo 1.3.2

- WebSphere Portal 6.1 to 6.1.0.2 ships and uses dojo 1.1.1
  - Dojo 1.1 and 1.2 do not support Internet Explorer 8
- Dojo 1.3
  - Supports IE 8, Firefox 3.5, Safari 4.0
  - Lot's of other enhancements and fixes
  - BUT: some widgets are not backwards compatible to 1.1 or 1.2
People picker enhancements

- Configurable search attributes
  - People Picker search uses ‘cn’ when retrieving a group name, and at least one of the following attributes when retrieving a person name: cn, givenName, sn, DisplayName
  - Now the search attribute is configurable
    • Via properties defined under WAS resource ‘WP PeopleService’.
      – pickerPeopleSearchAttribute: for people
      – pickerGroupSearchAttribute: for group
**Portal light mode**

- Load portlet applications only when needed (lazy loading)
  - Apps lazy loaded are defined via an include list
- Dramatically reduces portal startup time

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**Diagram:**
- *Portal Light Mode - Start Up Time - WP6.1.5 (lower is better)*
  - Baseline
  - Portal Light Mode + Default List
  - Portal Light Mode + Adapted List

- *Portal Light Mode - Memory Footprint after Start Up - WP6.1.5 (lower is better)*
  - Baseline
  - Portal Light Mode + Default List
  - Portal Light Mode + Adapted List

- *Portal Light Mode - Memory Footprint 400 User Under Load - WP6.1.5 (lower is better)*
  - Baseline
  - Portal Light Mode + Default List
  - Portal Light Mode + Adapted List

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**Hardware (HW):**
- xSeries Intel Xeon, 4GB RAM, 4CPUx2.00 GHz

**Software (SW):**
- WP6.1.5 Build 21, WAS 6.1.0.23, DB2 9.1 FP4, ITDS 6.2, WIN Server 2003 SP2
What is the IBM Mashup Center?

A lightweight mashup platform, supporting line of business assembly of simple, flexible, and dynamic web applications – with the management, security, and governance capabilities IT requires

- **Create** new applications by reusing existing data and services
- **Unlock** Enterprise, Web, Personal, and Departmental Information
- **Develop** widgets from enterprise systems
- **Discover** and share mashups, widgets, feeds, and services
- **Transform** Information into new feeds
**IBM Mashup Center Components**

**Situational Applications**
- Rapidly created to address an immediate need of an individual or community
- Typically, but not necessarily, short-lived (a just-in-time solution)
- Good enough
- Built by domain experts (knowledge workers) to solve their own problems

**Why Companies want Mashups:**
- **Foster innovation** by unlocking and remixing information in ways not originally planned
- **Quickly uncover new business insights** by easily assembling information from multiple sources on the glass
- **Increase agility** by supporting dynamic assembly and configuration of applications
- **Speed development and reduce development costs** through lightweight integration, reuse and sharing

Heart of the Market Mashup offering from IBM

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
Mashup integration

- What is part of WebSphere Portal 6.1.5?
  - Lotus Mashups V2.0
- Create and render Mashup pages inside portal
  - Will show up as normal portal pages in the portal navigation
  - Add widgets to Mashup page
- Import / Export Mashup pages from Mashup Hub
- Share Mashup pages with other users
Mashup integration
Updated and enhanced JSR 286 rendering portlet

- First version of the portlet was shipped in Jan 09 via the portlet catalog
  - Runs on WebSphere Portal 6101
- Inline editing support improved
  - Either modal dialog or popup window
- UI now translated in all languages supported by portal
- Allow admins to reset the public parameter on a page
- Allows to specify content location via library path
  - Previously only via ID
  - Makes it also easy to use WCM content in static pages
- Lots of minor improvements and fixes
**JSR 286 rendering portlet – inline editing**

- New inline editing with automatic page refresh
Template Pages and Web Content Pages

- You can define Portal pages with WCM (and other) portlets defined on them
- Then use these templates when creating a new portal page so that you don’t have to add the WCM portlet(s) to the page after defining the page
- You can link a portal page to a WCM site area -> WCM portlets on the page will automatically pick up the page context
  - No need to link each individual WCM portlet to a WCM site area
**Other options for the new WCM rendering portlet**

- **Display Title**
  - Make it easy to provide an application-specific skin for the portlet.

- **Portlet Fragment Caching**
  - ‘per user’ or ‘shared’ caching options
  - Timeout values (always, never, or n seconds)

- **More Flexible Link Broadcast options**
  - Render WCM content with WCM rendering portlet that contains links to other WCM content.
  - Ability to automatically direct navigation to the WCM portal page with the corresponding WCM site assigned to it to render the new content.
Ephox Rich Text Editor

- Enhanced Lotus WCM Rich Text Editor capabilities by embedding Ephox’s EditLive Editor
  - Product Capability available of customers using LWCM 6.1 and above.
  - Includes Word-like in context menus and easy copy and paste from Word
- In 615 the authoring UI can be configured easily to either use the IBM RTE or Ephox
  - No additional install for Ephox needed
**WebDAV for WCM**

- Allow authoring of WCM content via WebDAV
- Reading of content (sub-)trees or single items
  - List content hierarchy
- Easy creation of components in a drag&drop like manner
  - Add a component by adding a corresponding file (image for image component, etc.)
- Update of all downloadable data
  - E.g. Download an image, modify it and store it back (same for richt text, etc.)
  - Meta-data files are stored back as meta-data of the corresponding objects as described in the XML
- Create / Update presentation templates
  - E.g. by using an external tool like Adobe Dreamweaver for creating the presentation template
WebDAV for WCM

- Drag and drop images into WCM using the Microsoft ® Windows Explorer
WebDAV for WCM

- Creating presentation templates using external tools, e.g. Adobe® Dreamweaver®
Integration with other document management systems

- Integration with Lotus Quickr 8.1.1, IBM Content Manager 8.4 and IBM FileNet 4.0.1 / 4.5
- Create links in WCM pointing to documents in those repositories
- Upload documents from those repositories into WCM to server them at runtime from WCM
  - No meta data copied, just the document
- Display live feed from document repository in portal
  - Via personalization resource collections
  - Allows to filter, sort, etc the items in portal
  - Allows to define the look and feel in portal
Integration with other document management systems

- Different HTML markup in the WCM PZN resource collection result in these two different views of documents hosted on a Quickr server.
**Web Content Integrator**

- Allows to consume RSS feeds and store the result as WCM content
  - Meta data of the documents are preserved and mapped to the corresponding WCM data entries
- Can be used to store RSS content in WCM, like news feeds, or to publish content from other WCMs that are used for authoring into WCM
  - Out of the box providers for WCI
    - FileNet P8, Quickr, Content Manager
  - Many additional ones as ISSL assets available (Documentum, Interwoven, Stellent, Vignette, ...)
- Rendering is performed via WCM rendering portlets

![Content Management System (CMS) to WebContent Integrator Diagram](image-url)
**Wikis and Blogs**

- Based on WCM and the new JSR 286 rendering portlets
- Can be administrated via the portal admin UI
- Can be added easily to a page via the new page builder
- Leverage inline edit in order to make it easy to add / remove entries
- WCM libraries with blogs and wiki code can be customized by customers
- Includes also a blog library that allows to group multiple blogs
**Wikis and blogs**

- Add wikis / blogs to a page via new page builder

- Clicking on the Customize button on a page using the Enhanced theme reveals the Add Content shelf.

- Next the customer can choose to add a Blog, Blog Library, or a Wiki to their page.

- Add Blog to Page dialog box:
  - Name: [Enter blog name]
Wikis and Blogs

- Blog sample
**Wikis and Blogs**

- Blog library sample

- Latest Blog Posts
  - Game 7 of the Stanley Cup finals
  - Lebron James scores 34

- List of Blogs
  - **Basketball blog**
    - wpsadmin | Today at 5:23 PM
  - **Football blog**
    - wpsadmin | Today at 5:21 PM
  - **Hockey blog**
    - wpsadmin | Today at 5:21 PM
  - **Lacrosse blog**
    - wpsadmin | Today at 5:22 PM

- Show: 10 | 20 | 50 | 100 items
- Jump to page 1
- Previous | Next
Wikis and Blogs

- Wiki sample

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Tiger
Last updated by wpsadmin - Jun 11, 2009 5:07:00 PM

The tiger (Panthera tigris) is a member of the Felidae family, the largest of the four "big cats" in the genus Panthera.[4] Native to much of eastern and southern Asia, the tiger is an apex predator and an obligate carnivore. Reaching up to 4 metres (13 ft) in total length and weighing up to 300 kilograms (660 pounds), the larger tiger subspecies are comparable in size to the biggest extinct felids.[5][6] Aside from their great bulk and power, their most recognizable feature is the pattern of dark vertical stripes that overlays near-white to reddish-orange fur, with lighter underparts. The largest subspecies of tiger is the Siberian tiger.
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Large file handling support

- Files are no longer completely loaded into memory when doing syndication
  - Implementation is now based on a streaming model
- This allows to have files with sizes of up to 512 MB in WCM
  - Large docs, audio recordings, videos
Enhanced syndication reporting portlet

- Pending syndication items admin page can show failed items that need attention
  - Isolate error for each item
  An item may fail syndication on only one syndicator.
New APIs

- **WCM Workflow API additions**
  - allow the workflow of an item to be modified in its current stage, if that stage exists in the new workflow
  - allow a document to be the moved to its next workflow stage without running any exit or entry actions

- **WCM file upload validation**
  - Allow to virus scan, re-seizing, etc.

- **WebDAV SPI**
  - Allows you to add your own service based on the WebDAV protocol

- **Composite application REST services**
  - CRUD operations on composite apps

- **Portal Access Control APIs + REST services**
  - Allow to read and write PAC information
Additional Information and Resources

WebSphere Portal – IBM Site

Websphere Portal Developer’s Zone

Product Documentation and WebSphere Portal Wiki
  http://www-10.lotus.com/ldd/portalwiki.nsf

WebSphere Portal, Lotus Web Content Management, Portlet Factory.Next Beta

WebSphere Portal Blog
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