

IBM Digital Experience: Überblick

Thomas Stober | STSM, Lead Architect DX Foundation



Please Note

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision.

The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.



Agenda

- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary

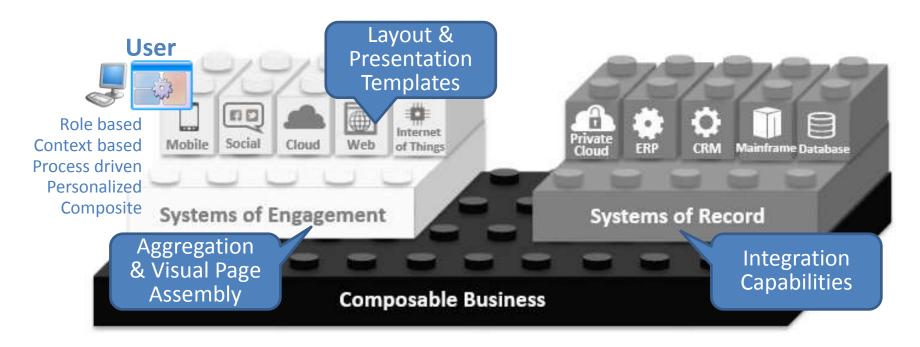


Agenda

- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary



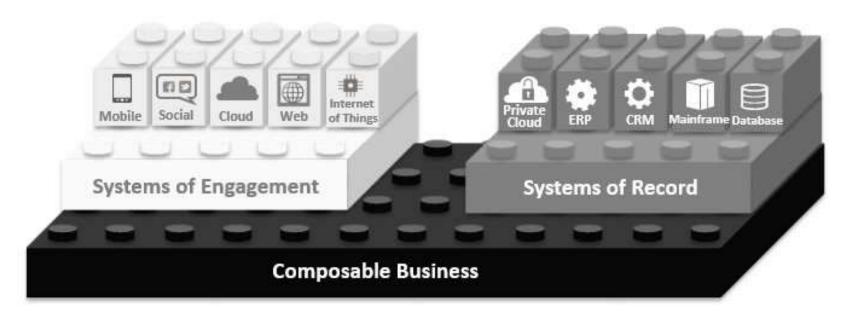
The traditional Portal Paradigma - Reloaded



- Portal gives the **illusion** of a nicely integrated system!
- But it's aggregation, composition and federation of lightweight UI components and services
- Let Portal pick the right face for the result
- Let another tier own the business logic (controller) and the data (model)



The traditional Portal Paradigma - Reloaded





Business

- Faster time to market
- Lower time to change



IT Operations

- Reduced risk during changes
- Failure ready infrastructure



Developers

- Can focus on innovation
- More freedom and choice

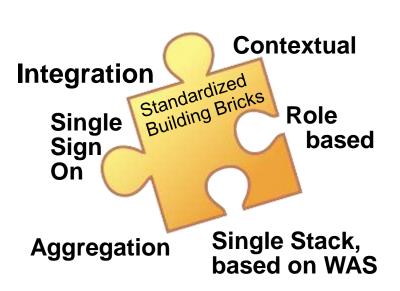


Extended View of a Digital Experience

Componentized Web Sites



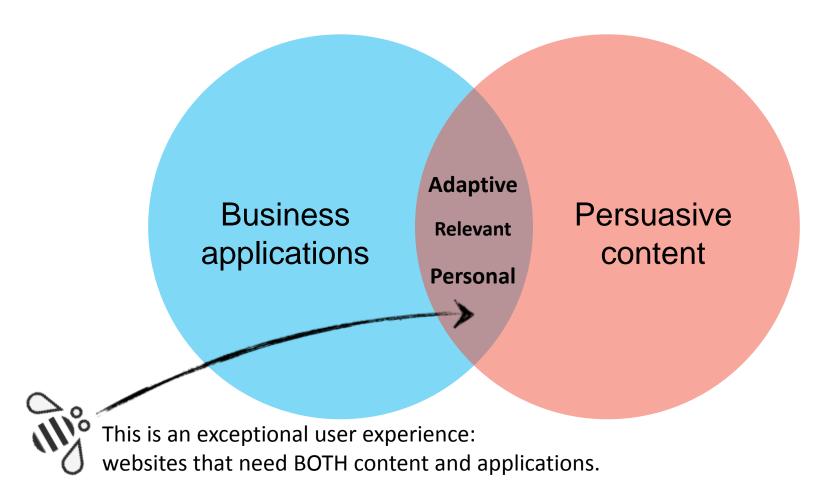
Broaden the Capabilities







Mixing Web Content and Applications





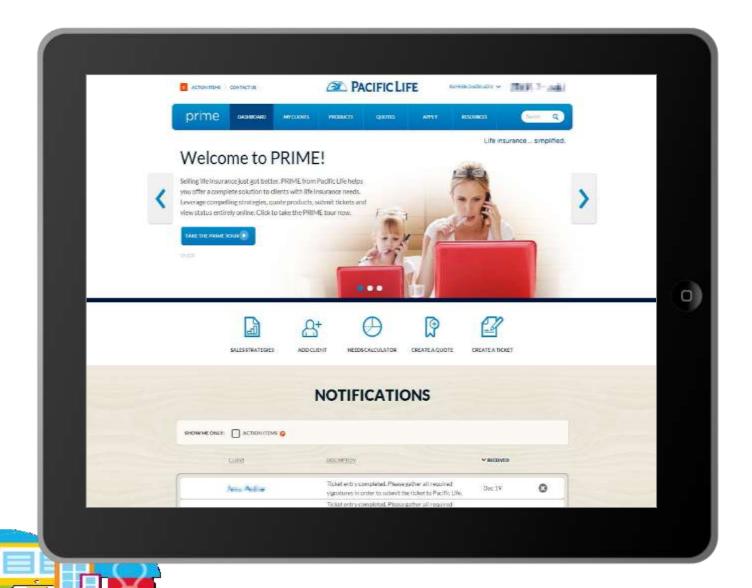
Jyske Bank: Responsive Design





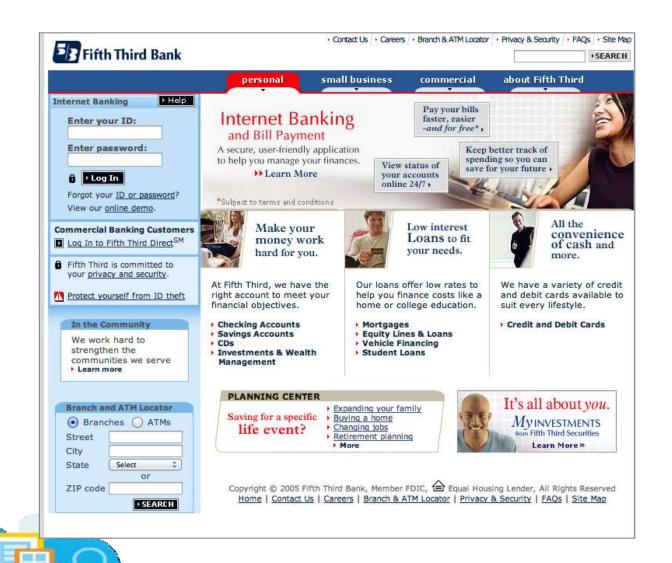


Pacific Life



Secure Business

Fifth Third Bank

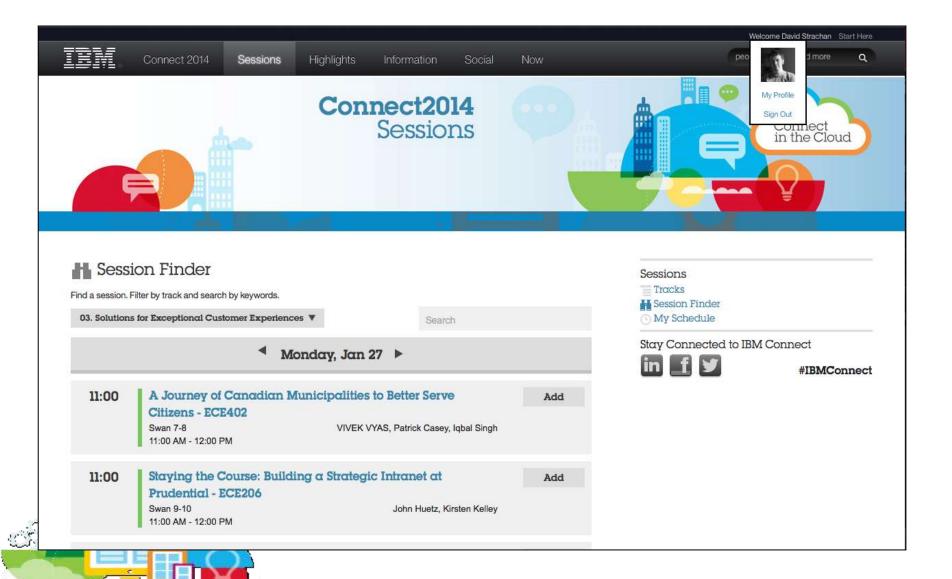




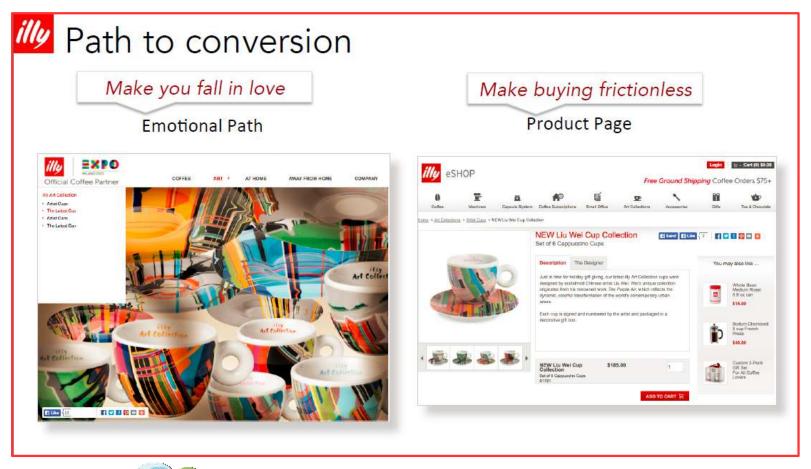
Harley-Davidson



IBM Event Connect



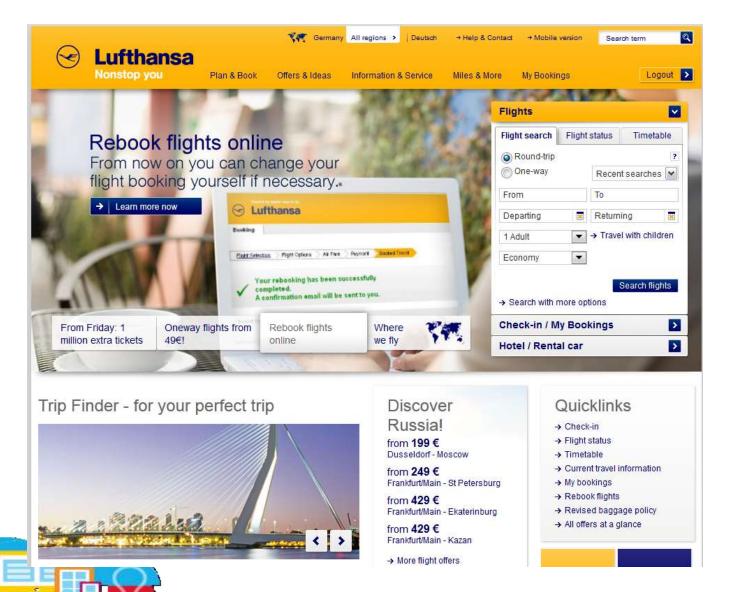
Consumer Engagement at illy

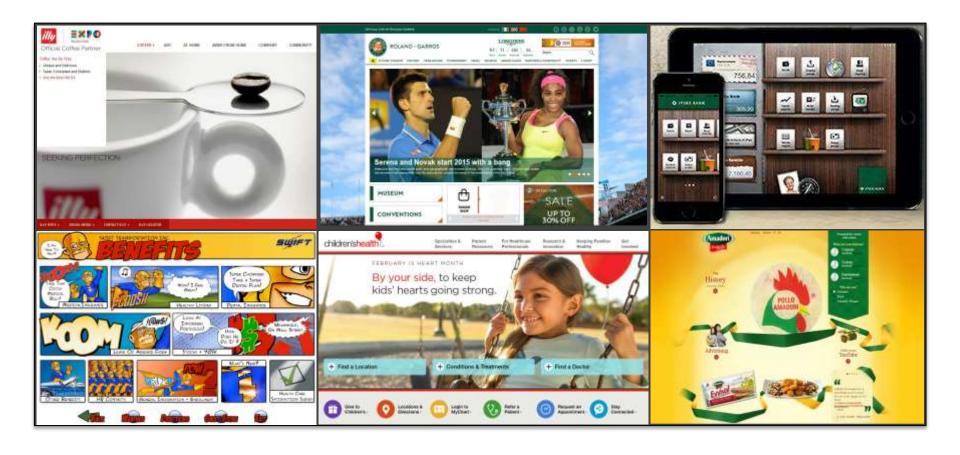




Scalability

Lufthansa





"A great experience is supposed to evoke sensation in the user - not just performing rote tasks, but engaging, participating, getting meaningful value."



Businesses have some interesting challenges in rolling out their digital strategy...

Hyper-responsiveness to business units

Simplified Web developer skillset

Decentralized decision-making

Use of lightweight site-builder frameworks



IBM Digital Experience

Continuous business transformation

Deep IT driven engagement

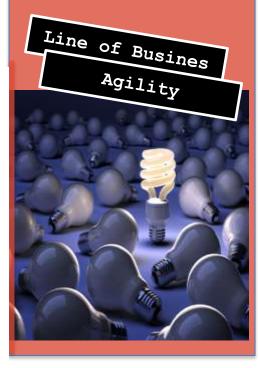
Benefits of common services & platform

Adoption of an engagement platform

IBM DX Commitment to YOU

INNOVATE

Help you get to market quickly with web developer & content authoring skillsets



PRE-INTEGRATE

Purpose-built integration so core elements are ready when you need them



PRESERVE CHOICE

For long-term deployment methods and operations



Agenda

- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary

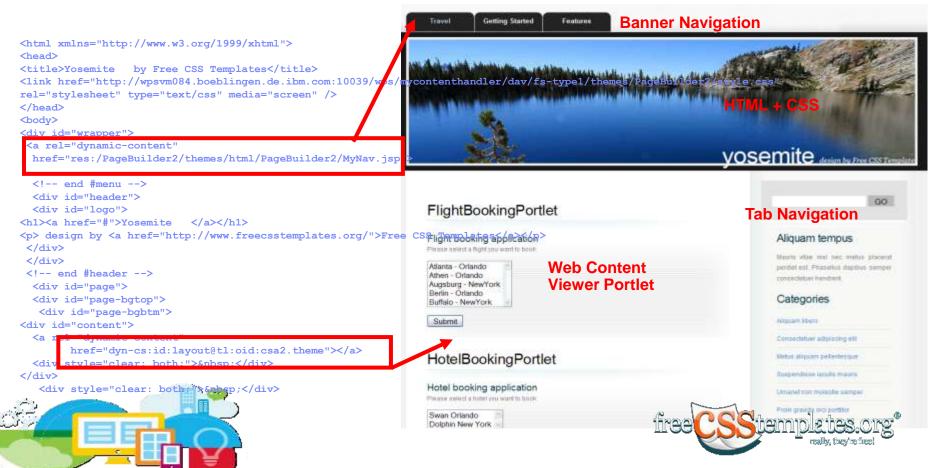


JSR 286 – timeless, re-usable, basic



Theme Architecture

- HTML conform inclusion mechanism of "Dynamic Spots"
- Editing of themes using HTML Design tools possible
- Support of changing themes on running development system using WebDAV



Mobile Directions

- Mobile is Now Part of Everything We Do in Portal and WCM
- Portal, WCM, Tooling, etc.. Just multi-channel by default
- Responsive and Adaptive
- We integrate with and leverage the IBM Mobile stack (Worklight, tools, etc)



Mobile Web: Smartphone Look & Feel

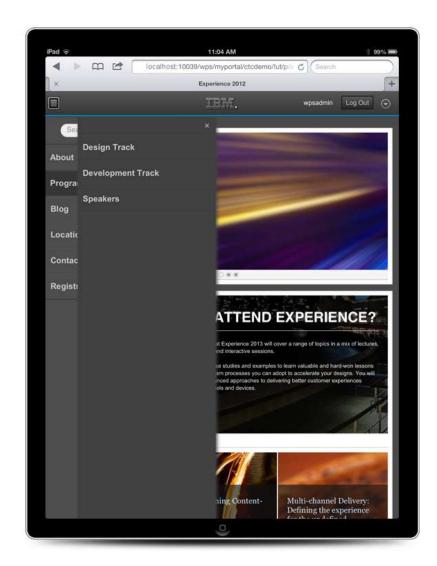
- Header is simplified
- Primary navigation starts with button at top-left and slides down like a window shade
- Child pages expand and collapse as nested drawers
- Swipe down to see top navigation, which is off top edge of screen
- Elements are sized to be fingerfriendly
- Implemented as a device class specific dynamic content spot "mobileNav" for tablets and smartphones





Mobile Web: Tablet Look & Feel

- Header is simplified
- Primary navigation starts with button at top-left and slides in from the left
- Child pages expand and collapse as additional overlapping columns that also slide in from the left
- Top navigation starts with button at top-right
- Sizes are finger-friendly
- Implemented as a device classspecific dynamic content spot "mobileNav" for tablets and smartphones
 - Difference between tablets and smartphones is implemented within dynamic content spot





Mobile Web: Responsive and Adaptive

- Digital Experience will follows patterns of responsive web design
 - Out of the box pages, web content and portlets optimized for desktop and mobile
 - Web Content presentation templates include responsive patterns
- Adaptive content via Rules, Devices Classes, targeted content, selected application portlets



Mobile Web versus Mobile App

Mobile Web Sites

Provide a consistent integrated web experience across multiple channels such as kiosks, desktops, smartphones.

Aggregate multiple application

Content management Personalized for roles



Mobile Applications

Take full advantage of the device.

Dedicated, task-focussed apps
Integrates with device capabilities
App store presence such
as IBM Connections app.





Extending web experiences to include on-device capabilities and app stores with entitled IBM Worklight capabilities

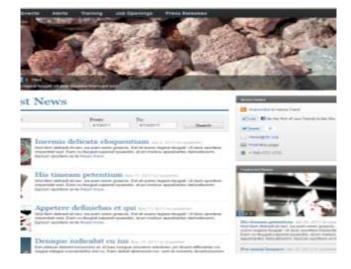


Portal and WCM Convergence

- The Digital Experience Platform requires features normally associated with traditional portals and with traditional WCM systems
- We've been working to integrate the technologies and processes around WebSphere Portal and IBM WCM for a number of releases
 - While they can still be licensed and used independently, they are tightly integrated technically
- This integration is key to enabling the business to drive and manage the web experience life cycle.
- We plan to continue to enable more and more power in the hands of the web site owners
- This allows more to be done as needed and independently
- Templates and the corresponding automation framework, enables the IT team to build the key parts to enable the business to quickly act and react.
 - So IT continues to provide appropriate implementation direction.
- Projects and approvals further provides appropriate levels of checks and balances.

Portal and WCM Convergence

- Content as a portlet (generation 0)
 - Portlet as window into content world
- Content as part of the site (generation 1)
 - Content as first class citizen
 - In context search results
 - In context linking



- Project Scoped Authoring of Portal Sites
 - Ease of Use: Authoring of entire Pages with "Site" Projects
 - Workflow Control: Review, Approve, Publish, Expiration, Versioning
 - Agility: Syndication of Sites between Authoring and Rendering Servers

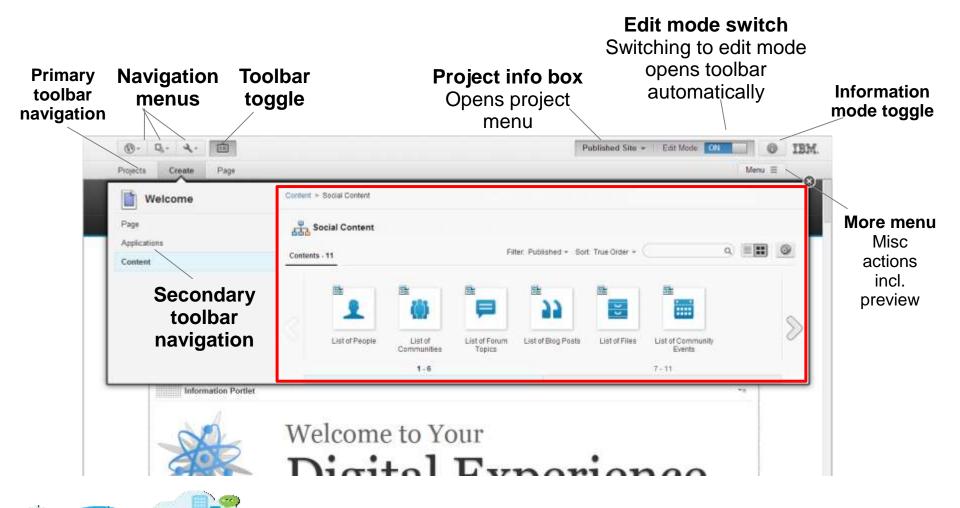


WCM: Visual Page Assembly

- Expose a visual editing experience for portal pages
 - Intuitive and easy-to-use for non-IT users (business users)
 - Provide a WYSIWYG editing model
 - Optimized for inline, drag and drop driven operations
- Leverage the new Portal toolbar concept
 - One place to access a rich administration and page management toolset
 - Decouple product toolbar from custom themes



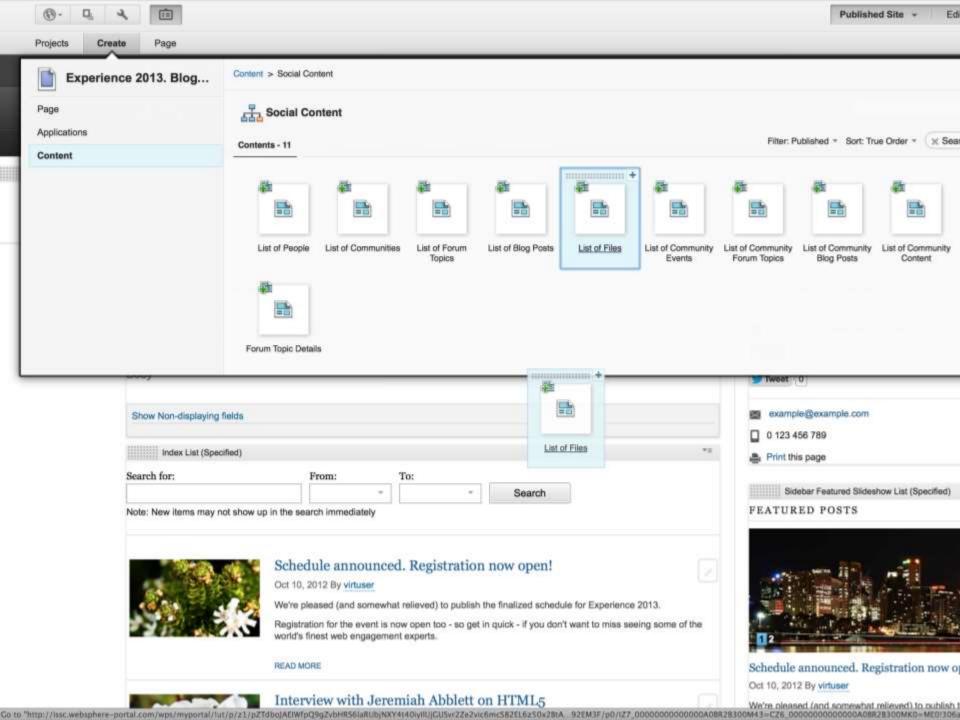
Empowering the Business: The Toolbar



Agenda

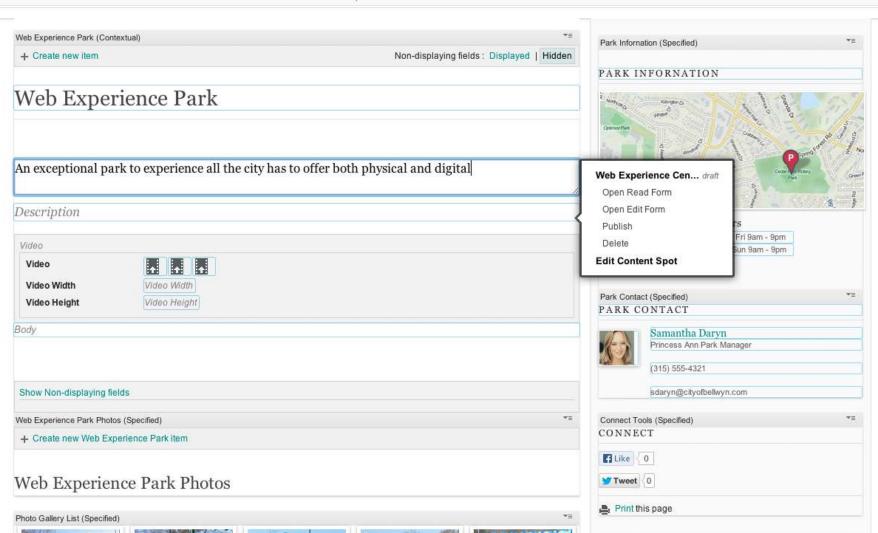
- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary







Residents > Parks and Recreation > Content > Web Experience Park

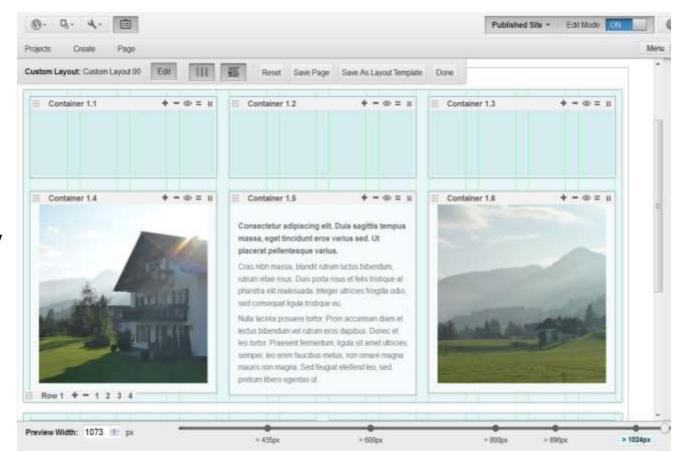




Digital Experience Layout Editor

Features

- Graphical definition of page layouts across multiple device aspects
- Ability to define page flow, structure, content visibility across multiple responsive breakpoints
- Ability to preview pages across your targeted device classes



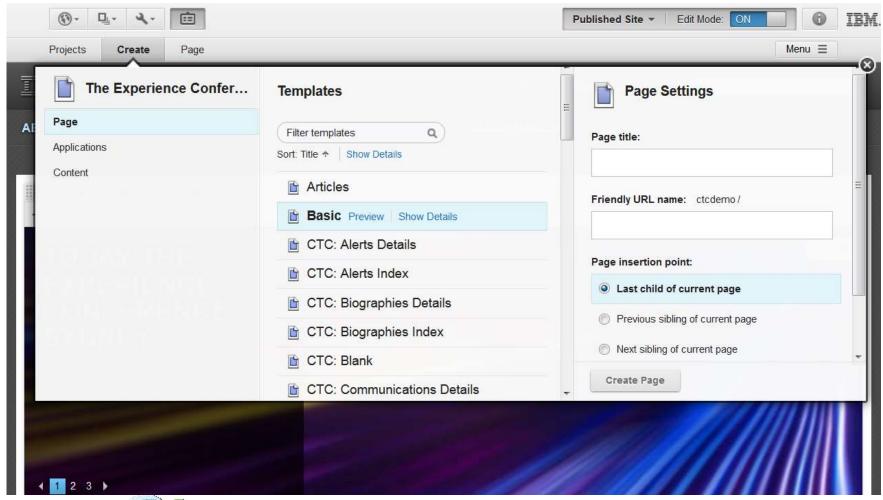


Projects

- Projects group changes that you and other users are making together and allow you to treat them as one unit for preview, publishing and syndication
- Projects enable collaboration and large site updates
 - Multiple users can work in a single Project and individual items in a Project are not visible on the published site until the entire Project is published regardless of the item's workflow state
- All changes bundled in a project can be previewed together prior to publishing
 - New items appear in all menus and navigators
 - Deleted items are hidden
 - Moved items appear in their new position in the site

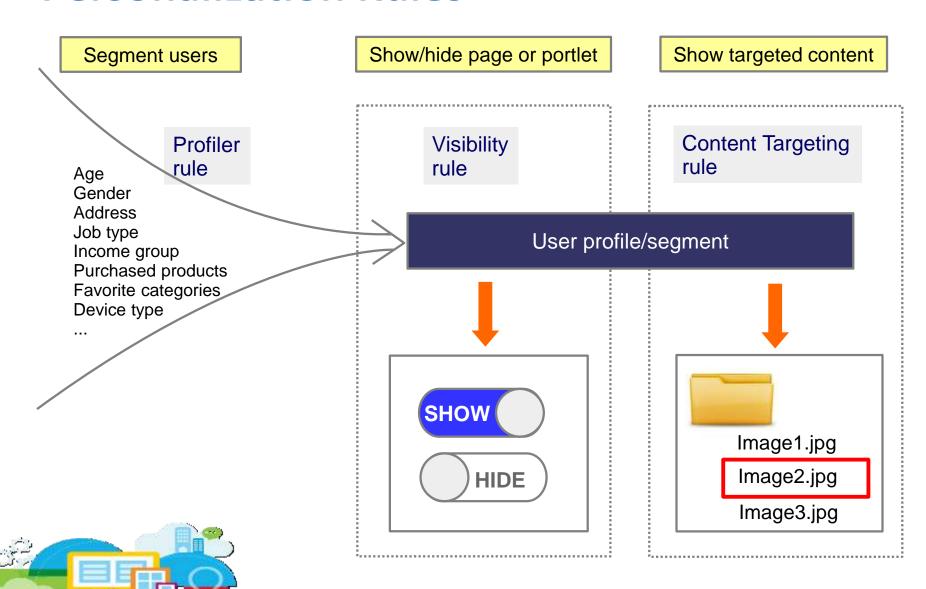


Page Templates



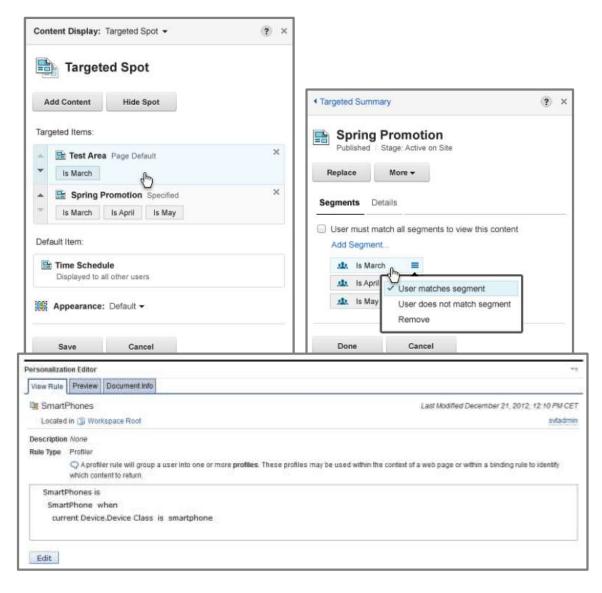


Personalization Rules



Content Targeting

- Personalizes your site using business rules
- Rules use attributes such as ...
 - device type
 - date & time, geolocation
 - session information
 - referer and search keywords
 - user specific information
 - any kind application specific data
- User friendly content targeting interface
 - inline dialog to define and edit rules
 - Preview in context





Extended Content Targeting based on external Marketing Tools

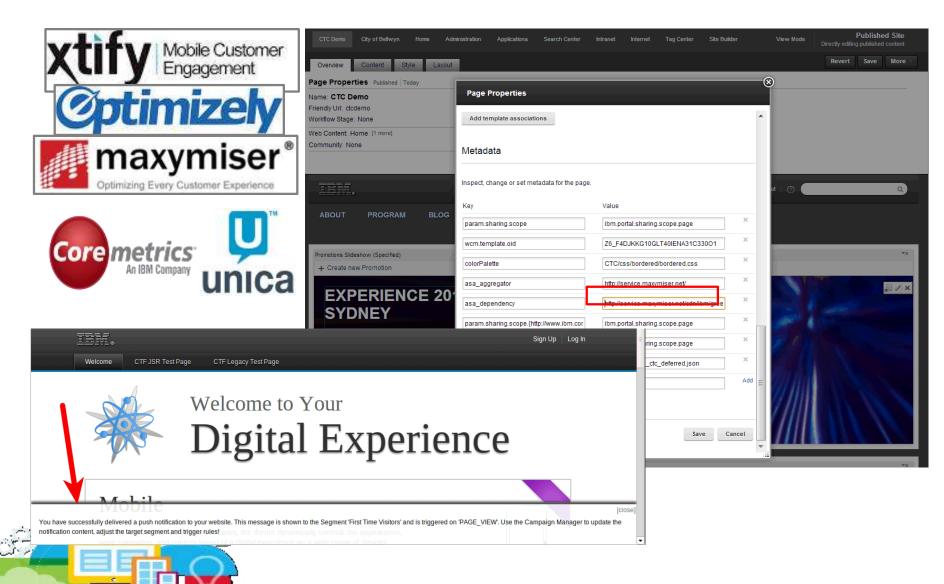
- Integration with IBM Interact and IBM Marketing Center
- Portal/WCM page can be used to configure the link between a offer in IBM Interact/IBM Marketing Center and the corresponding web content





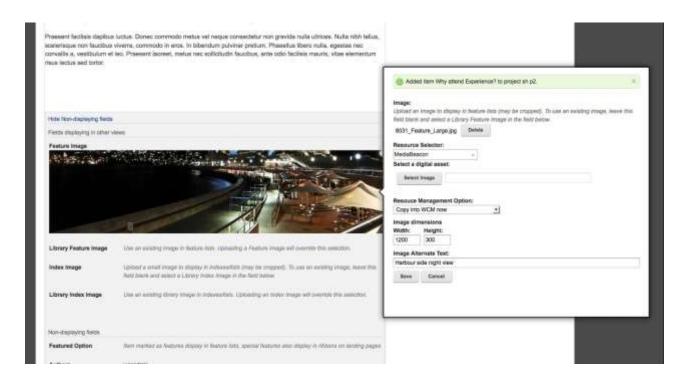


Obtaining Targeted Information



WCM: Rich Media Management

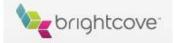
- Digital Asset Manager (DAM) capabilities to differentiate and manage digital brand consistently across channels
- Seamlessly incorporate rich media assets into web and mobile web experiences
- Maximize impact of rich media with centralized management, search and comprehensive editing support for images, video and more
- Unleash the creative production process with collaborative features for designers, agencies and all creative professionals



IBM Customer Experience Suite Rich Media Edition / IBM Web Content Manager Rich Media Edition



Deliver and Stream HD Videos



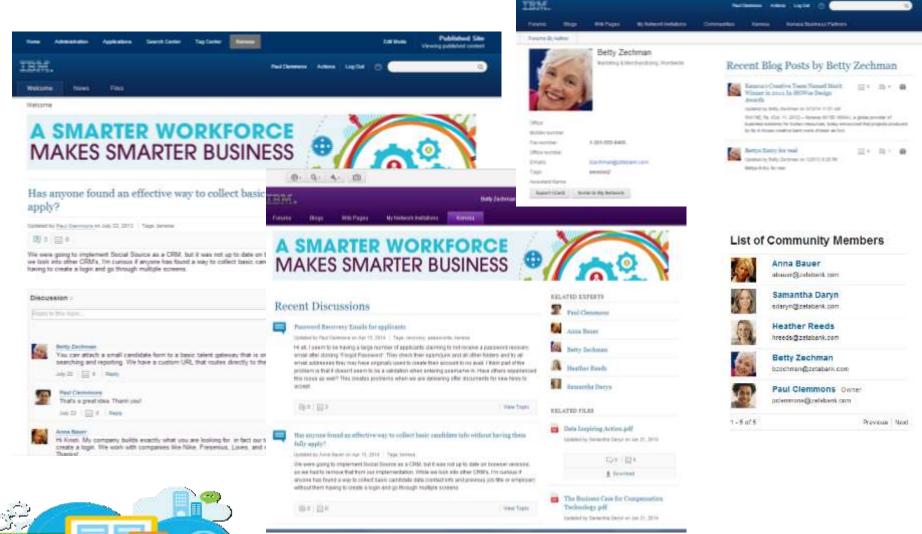
For Captivating, Immersive Digital Experiences Across Web and Mobile Channels

- Delivers professional quality video to audiences on any device using the digital channel
- Automatically detects device and bandwidth and uses best rendition for highest quality playback
- Customizes viewer experience by styling player with WYSIWYG point and click capabilities for branding
- Broadens audience reach with CDN integration for fast and secure delivery across the globe





Social Portal: Seamless Integration of <u>IBM Connections</u>



Mixing IBM Connections and Web Content

- Allow users to discuss web content items:
 - The discussion itself is hosted on a remote IBM Connections server
 - Display of social information from IBM Connections via Social Rendering techniques
 - Posting of new information (e.g. replies) from WCM to IBM **Connections**
 - Automatic linking between WCM content items and discussion topics in IBM Connections
- Visual appearance can be fully controlled using WCM design components
 - Out of the box presentation templates include responsive design patterns supporting tablets and smart phones



Our GIS and City Planning departments have provided detailed and legible maps that highlight areas of anticipated change. These documents can easily be viewed online, and we encourage your feedback regarding this information. The majority of changes this plan suggests related to the Southwest District to accomodate for rapid growth that has been followed by a lack on transit and recreational infrastructure. Focusing on this area will also provide opoporunities to further connect creenway traits together that area nearby but tacking a strong connection to the larger system.

I'm pleased with what we're able to suggest with this plan, but it still isn't complete without hearing your thoughts and determining what changes are considered our highest priorities. Along with many of these changes comes innovative new ideas to encourage points along

Manti . A Hota Herrar and 2 others like this . REPLY



trails that act as nubs along the trails. These spots aim to create more overall use of the greenway, provide comfortable resting recreational activity on trais, and hopefully increase overall recreational activity for citizens. Another key priority we indentified from feedback sessions is the maintenance of creenway pavement.



Social Portal: Seamless Integration of IBM Connections







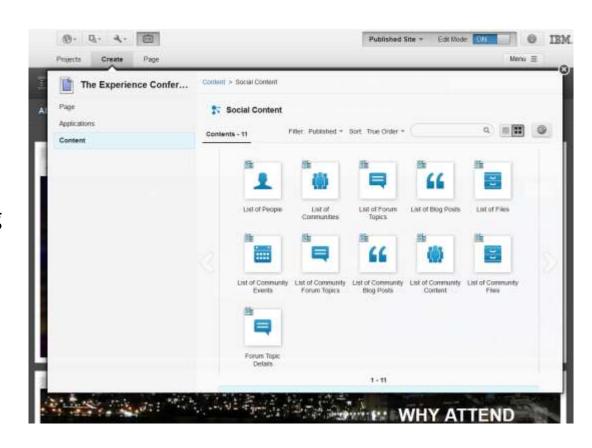
Agenda

- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary



Add Social Collaboration

- Expose and manage social media information from IBM Connections like any other piece of web content
- Full control on formatting and layout
 - Incl. responsive design
- Read and Write Operations
- Extremely customizable!

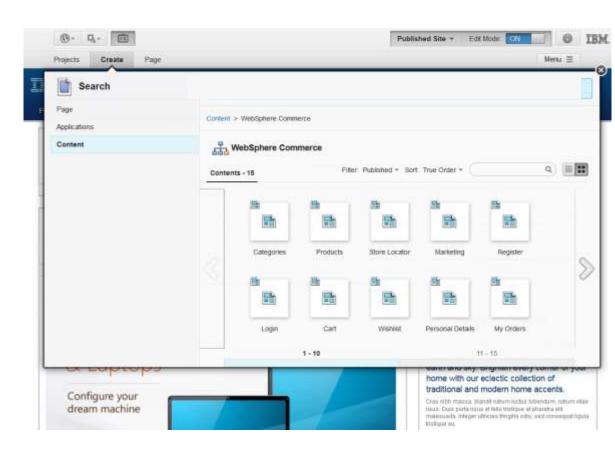


Infuse social information into web sites and mix it with any other web content



Add a Shop

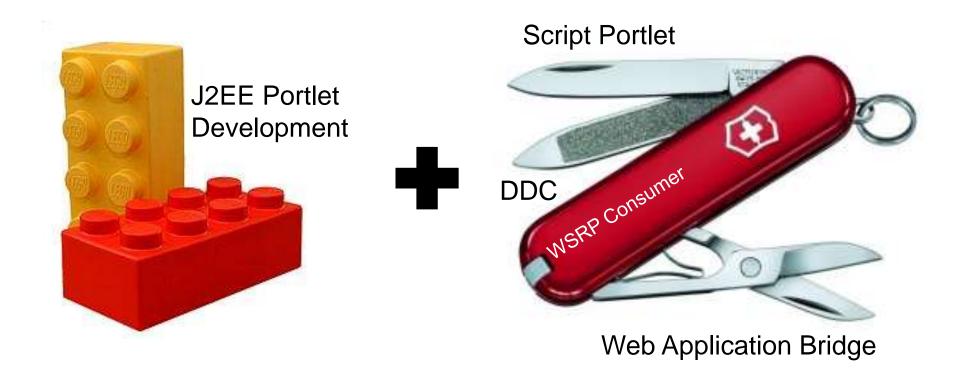
- Drag and drop support for all common Commerce storefront services
- Fully customizable script and markup based components
- Source code included
- Both authoring and presentation fully customizable!
- Leveraging new Commerce public REST service interfaces
- Read and Write Operations



Infuse **shop information** into web sites and mix it with any other web content



Powerful Integration Tools





Agenda

- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary

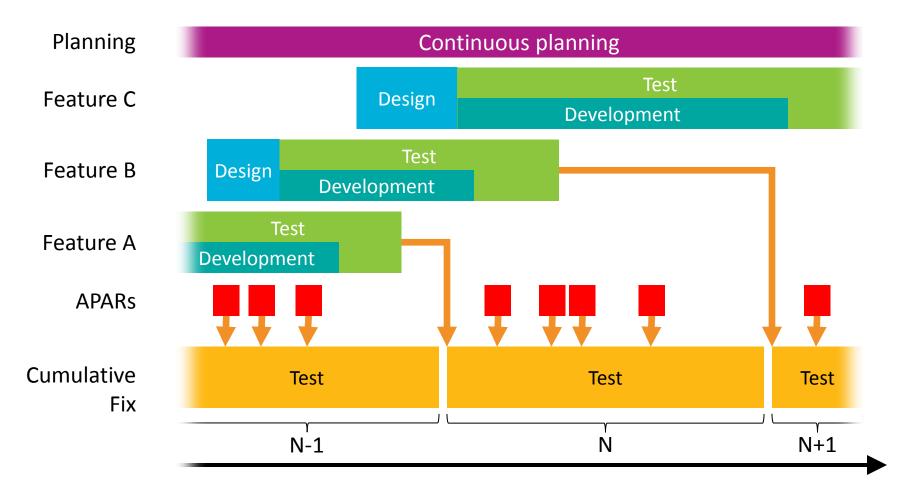


Continuous Delivery: Definition

- Approach of Software Engineering
 - Short development cycles
 - Continuous Integration
 - Highly automated tests, carried out continuously
 - Releasable product at any time



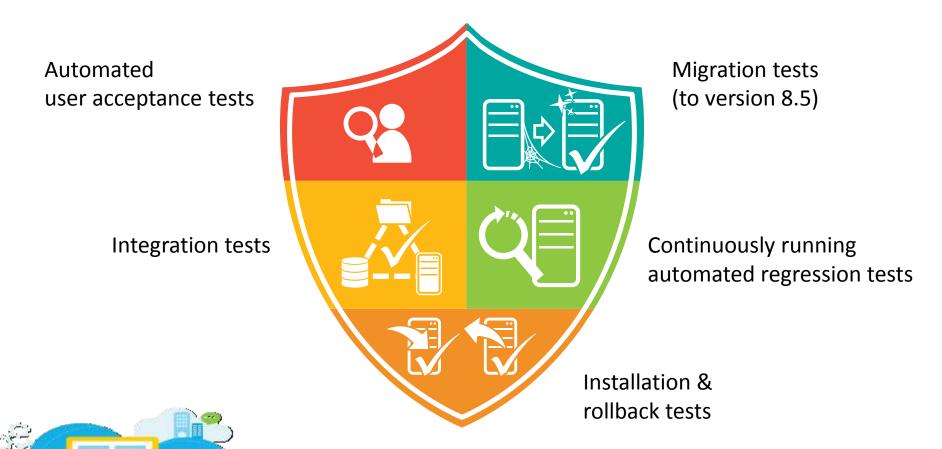
Cumulative Fix Release Cycle





Ensuring Highest Quality – continued

Automated tests for each build:



Ensuring Highest Quality – continued

- Continuous regression tests of performance and longruns
- Regression test of complex enterprise scale environments
 - Migration, installation / rollback
- Continuous refinement and improvement of test cases based on PMR review and support feedback
- Test teams focus on CF tests only, no release development in parallel
- → Release-grade tests for each and every CF



Overview of Delivered Features

CF03

- Theme analyzer for portlet modules
- Resource aggregation for portlets
- Public ResourceCombinerService API
- Syndication extension points
- Worklight 6.2 integration
- SmartCloud for Social Business Search (SAML)
- Invalid friendly URLs
- SmartCould for Social Business HTTP Outbound
- @mentions
- SmartCloud for Social Business Connections integration
- Web Application Bridge Mobile support
- Windows Mobile support
- Web Content Manager REST API
- Inplace editing for Web content

CF04

- Validation improvement for the Configuration Wizard
- Renditions

CF05

- UX Screen Flow Manager
- Project publish and validation updates
- Folder updates

- Syndication modes
- SmartCloud for Social Business integration by using Active Directory Federation Services (ADFS)
- Searching in a multilingual environment
- Content as a Service pages
- Improved WSRP consumer markup caching

CF06

- Configuration wizard supports transfer to multiple Oracle databases
- Improved page loading performance by asynchronous web content rendering
- Integrating remote JSON data by using the Digital Data Connector
- Web Application Bridge support for SAML
- WSRP remote session invalidation
- WCM REST service supports creating and updating authoring templates
- Updates to image and file elements in WCM
- Custom search boxes can display results in Search Center
- Deprecation of OneUI
- Document Services feeds for Federated Documents



In Addition: Features delivered on the Collaboration Solutions Catalog

- Script Portlet
- Connections portlets
- CTC Content Template Catalog
- Commerce portlets
 - WebSphere Commerce Sample for IBM Digital Data Connector in WebSphere Portal
- Digital Experience File Sync
- Cache Viewer portlet
- IBM Social Rendering Templates for Digital Data Connector
- Integration for Enterprise Marketing Management V2.0

https://greenhouse.lotus.com/catalog/home_full.xsp?fProduct=WebSphere0Portal



Feature Enablement

- Features muted by default, non-disruptive
- Individual configuration tasks enable features
 - E.g. for feature "Content as a Service pages" run ConfineEngine.sh install-caas
- No migration needed
- Starting point in documentation: Roadmap https://www.ibm.com/support/knowledgecenter/SSHRKX 8.5.0/mp/install/rm cf.dita



Projectable Maintenance

- CFs are released every 10 to 12 weeks
 - Release Portal 8.5
 - CF01 → July 2014
 - CF02 → September 2014
 - CF03 → October 2014
 - CF04 → December 2014
 - CF05 → March 2015
 - CF06 → May 2015



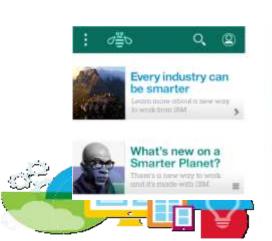
The Priorities beyond version 8.5

- Programming Model Simplification
 - e.g. Simple Theme
- Integration with Enterprise Marketing Management
 - e.g. Maxymizer Integration
- Content as a Service
 - e.g. for Mobile Apps
- CloudFirst
 - e.g. Cloud based Offerings



Simple Theme

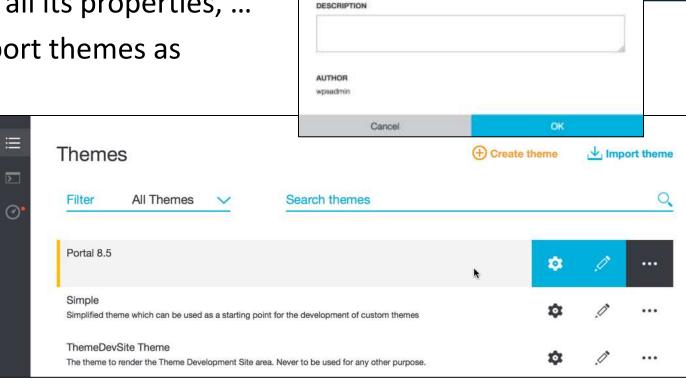
- Simple Themes are designed to be a starting point for theme development. Contains minimal artifacts for an easy starting point and quick learning curve.
- Fluid responsive design to support mobile devices
- Highly brandable through CSS/JS/HTML and exclusively editable through WebDAV
- A number of generic dynamic content spots to choose from
 - Top Navigation, Mega Menu, etc.
- New look & feel and support for HTML5





Theme Self Service / Tooling

- New Development Platform for Web Developers.
- Easy 1-Click Creation of Themes
- Ability to see all themes in one spot, change all its properties, ...
- Ability to export themes as deployable artifact



Manage Theme Properties

General

Localization

Metaclate

Advanced

Create Theme

My New Theme

My New Therne

DESCRIPTION

HIDDEN

Select One

Maecenas faucibus mollis interdum. Donec ullamcorpe nufia non metus auctor fringilla. Praesent commodo

cursus magna, vel scelerisque nisi consectetur et. Curabi-

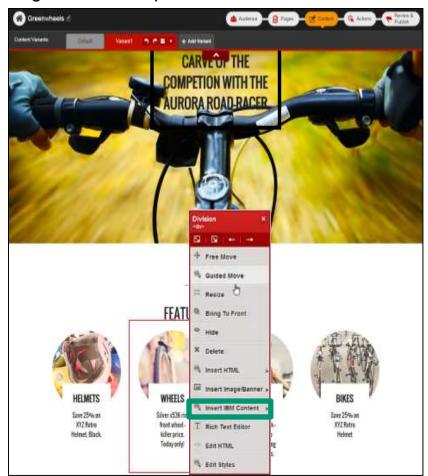


IBM Digital Experience (DX) 8.5 & Maxymiser Integration*

COMING SOON

Design and Execute Advanced Content Tests for Optimizing Customer Experiences

- Enables marketers to visually build and launch tests leveraging IBM DX Content
- Simply browse and select IBM DX content with packaged Maxymiser Visual Campaign Builder integration
- Increase marketer satisfaction and boost productivity with single sign-on
 - Build tests frustration-free and eliminate too many passwords syndrome



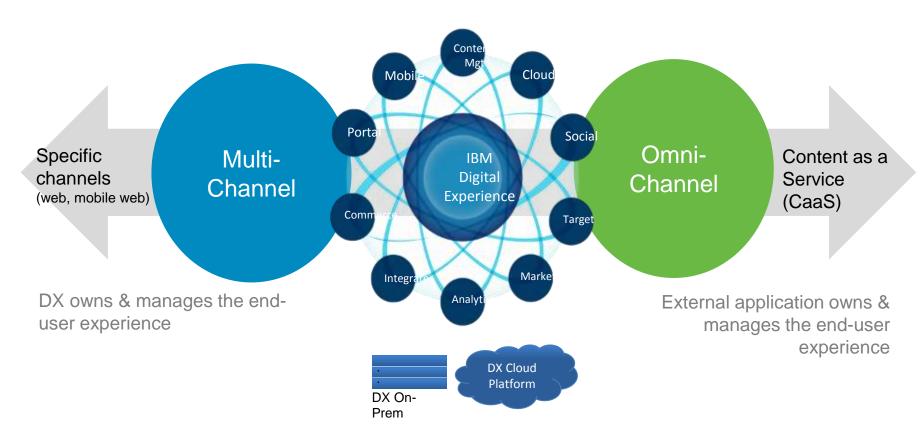
Seamlessly Incorporate IBM DX Content



Content as a Service Vision

JOHING SOON Providing <u>personalized</u>, <u>adaptive</u>, <u>relevant experiences</u> that allow employees, custome...,

and citizens to interact with people, content, and applications anywhere, anytime



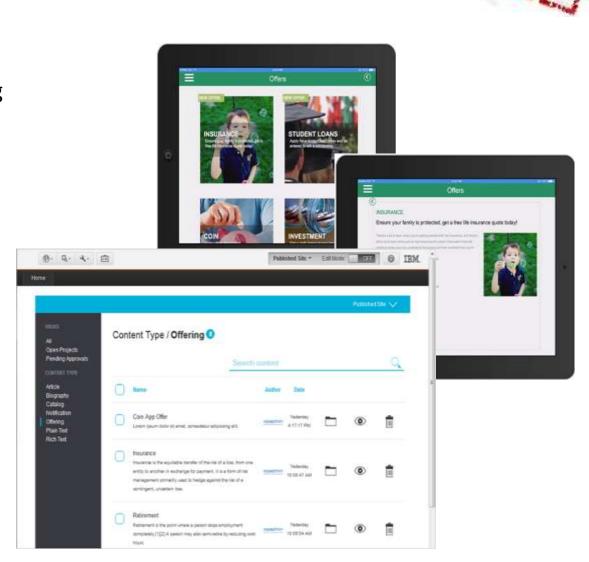


Content as a Service for Mobile Apps

Key Features:

- New customizable authoring experience, designed for Native Mobile applications
- Support for IBM MobileFirst platform
- Ability for Script Portlet applications to be available on the toolbar for a convenient drag and drop addition to the page
- Picker for inserting WCM tags
- Resource aggregator support, for performance improvement of complex applications







Published Content

VIEWS

All

Open Projects
Pending Approvals
Targeting Spots

CONTENT TYPE

Article Biography Catalog Notification Offering Plain Text

CUSTOM VIEWS

Rich Text

Car Buyer Offers High Net Worth Offers Home Buyer Offers Retiree Offers Student Offers

Content Type / Offering 6

	Search co		Q			
	Name	Author	Date			
	Auto Loan Auto loans starting at only 1.9% for 60 months and no money down.	wpsadmin	Yesterday 10:55:16 AM		•	
	Student Loans Apply for a student load today and be entered to win a scholarship. Enter short description	wpsadmin	Jan 27, 2015		•	
	foo Enter short description	wpsadmin	Jan 21, 2015		•	
	Coin App Offer Lorem ipsum dolor sit amet, consectetur adipiscing elit,	wpsadmin	Jan 19, 2015		•	
	Insurance Insurance is the equitable transfer of the risk of a loss, from one entity to another in exchange for payment. It is a form of risk management primarily used to hedge against the risk of a contingent, uncertain loss.	wpsadmin	Jan 19, 2015		•	
JSON				First Previous	Next	Last

IBM Digital Experience on Cloud our fastest ever time to value

IBM Digital Experience on Cloud

- Focussed on Content Management.
- 99.93% Availability.
- Client Success Manager.
- Pre-tuned authoring and production environments.

IBM Digital Experience Plus on Cloud

- Focussed on Integration.
- 99.93% Availability.
- Client Success Manager.
- Pre-tuned production, authoring, pre-production & QA environments.







Secure

Dependable

Scalable

IBM Digital Experience on Cloud it just got even easier to get started

More flexible entry points for IBM Digital Experience on Cloud family

Smaller initial configurations available, scale up as your needs require.

New single-environment offering now available

- Get started quickly for a prototype or test; perfect for smaller production needs.
- Combine with other Digital Experience on Cloud family for custom configs.
- 99.5% Availability SLA.



Cloud Offerings

Digital Experience on Cloud Family

New offering

Coming Soon

Single environments available in a range of selectable sizes

CIO/IT Executives

DX on Cloud

Launched Dec 2014

Deliver content focused sites to engage users

CMO Exec

CMO & Industry specific – e.g., VP Consumer Lending

DX Plus on Cloud

Launched Dec 2014

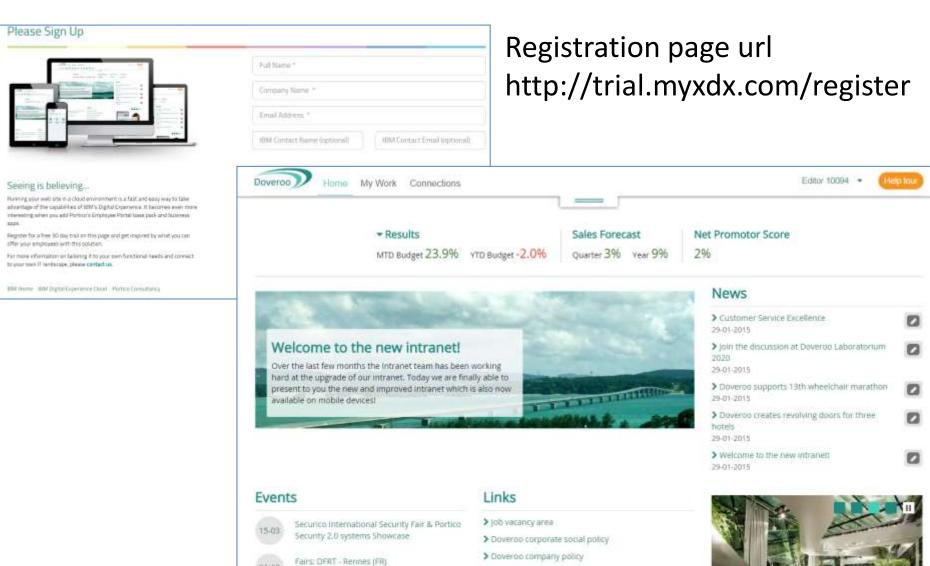
Integrate business applications for customer & employee productivity

Customer Service / CHRO

We will provide customers with a choice of entry points to get started, provide a natural progression to our existing offerings, and also expand usage for customers of current offering.



A SaaS* Example - Portico's Employee Portal base pack and business apps.



> Doveroo car lease

> Directors blog area

A Chinimary cards

Fairs: Kamper - Katowice (CZ)

Join the discussion at

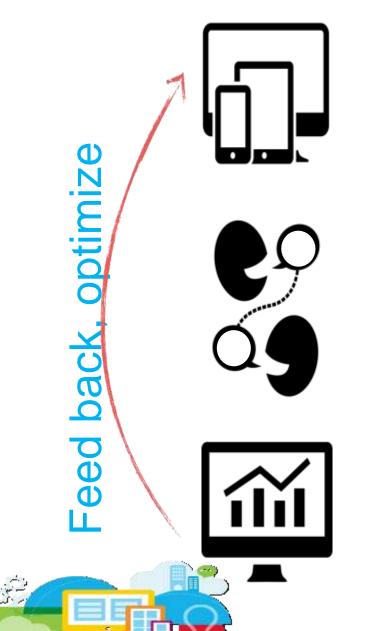
Doveroo Future Lab

*SaaS or "near SaaS"

Agenda

- Moving towards a Digital Experience
- Getting ready
 - the tools and capabilities in v8.5
- Handing over control
 - Visual page assembly
- Integration
 - Make your IT part of an user experience
- Looking forward
 - The journey continuous
- Summary





Deliver exceptional experience

Target customers as individuals

Understand what works and why

"User Experience Portals (UXP) supply consistent, high-fidelity user experiences across a breadth of services.

Sites and apps can be deployed across multiple channels and devices."

Gene Phifer, Gartner



Legal Disclaimer

IBM Corporation 2014. All Rights Reserved.

The information contained in this publication is provided for informational purposes only. While efforts were made to verify the completeness and accuracy of the information contained in this publication, it is provided AS IS without warranty of any kind, express or implied. In addition, this information is based on IBM's current product plans and strategy, which are subject to change by IBM without notice. IBM shall not be responsible for any damages arising out of the use of, or otherwise related to, this publication or any other materials. Nothing contained in this publication is intended to, nor shall have the effect of, creating any warranties or representations from IBM or its suppliers or licensors, or altering the terms and conditions of the applicable license agreement governing the use of IBM software.

References in this presentation to IBM products, programs, or services do not imply that they will be available in all countries in which IBM operates. Product release dates and/or capabilities referenced in this presentation 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. Nothing contained in these materials is intended to, nor shall have the effect of, stating or implying that any activities undertaken by you will result in any specific sales, revenue growth or other results.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics may vary by customer.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft and Windows are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both. Other company, product, or service names may be trademarks or service marks of others.

All references to Open Financial Network refer to a fictitious company and are used for illustration purposes only.

All references to Your City refer to a fictitious government and are used for illustration purposes only.

