Smarter software for a Smarter Planet.

Exceptional Web Experience with Government Web Services

Simon Lee | Regional Manager – Portal Solutions IBM Software Group ASEAN





Agenda

What is an Exceptional Web Experience?

What types of capabilities does IBM offer in the government 2.0 portal and collaboration space?

What types of innovative solutions are governments deploying?









...everything I need to make decisions.

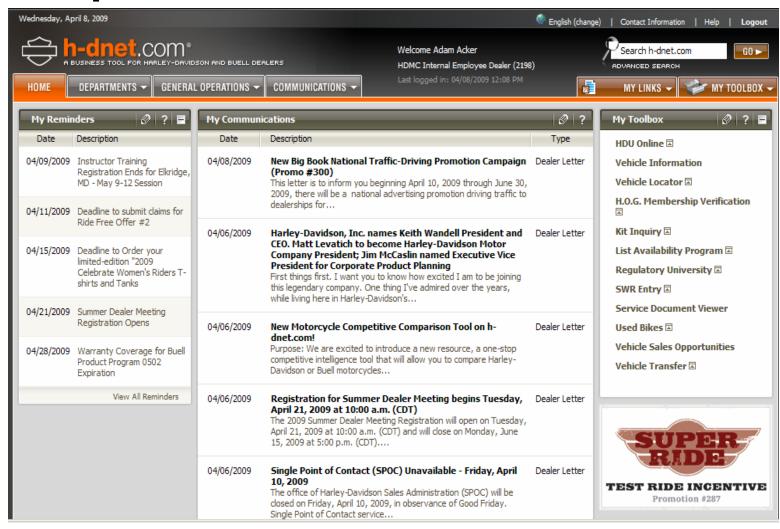
- Location, roles based access
- Personalization
- Real time data access
- Content and information
- Context managed integration of different applications
- Dashboards
- Portlet selection
- Independent portlet updates
- PDA Views
- Multi-vendor browser







...is personalized to me.





...whenever, wherever



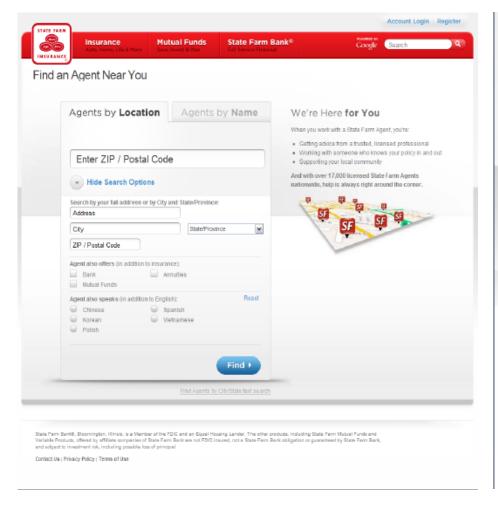


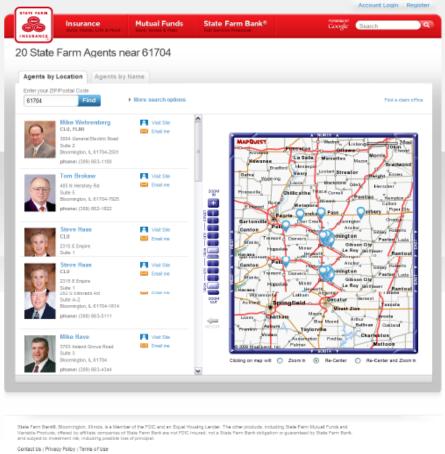
...More than just text and images





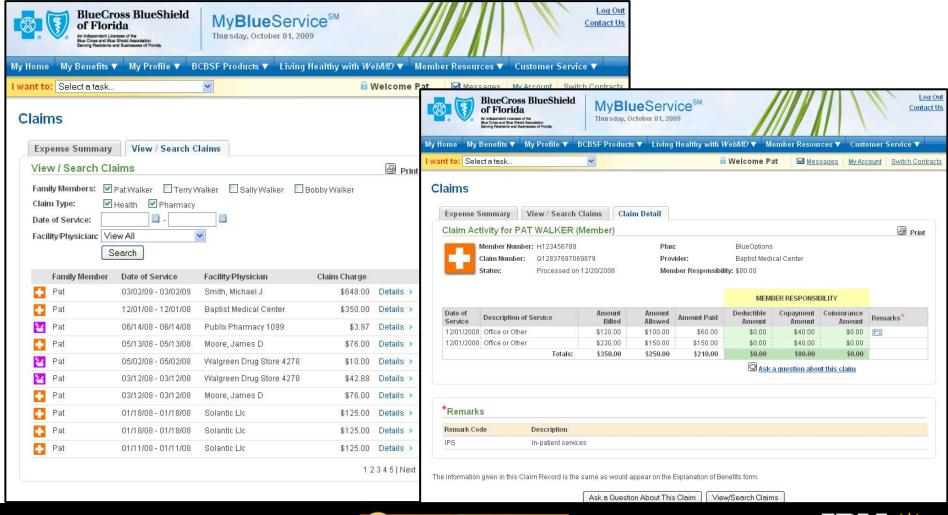
...makes it easy to find what I need.







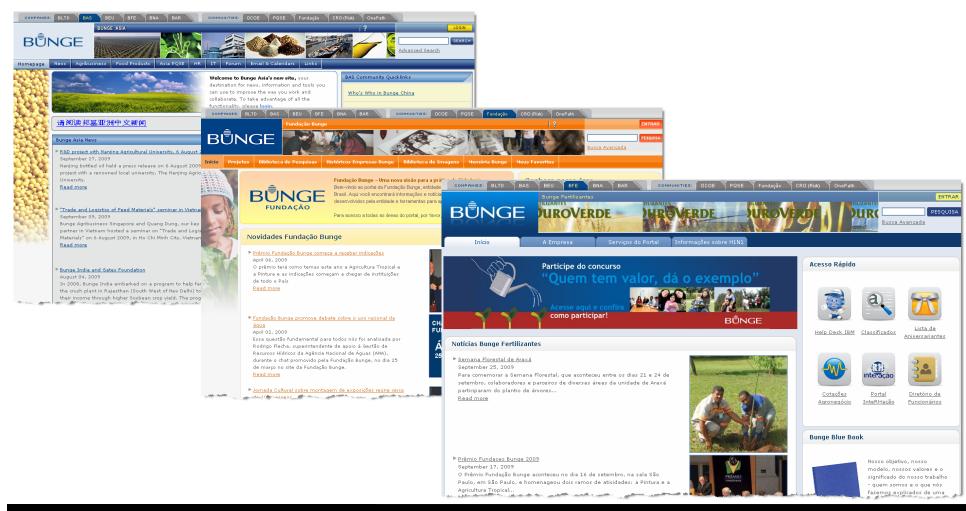
...protects my personal information.





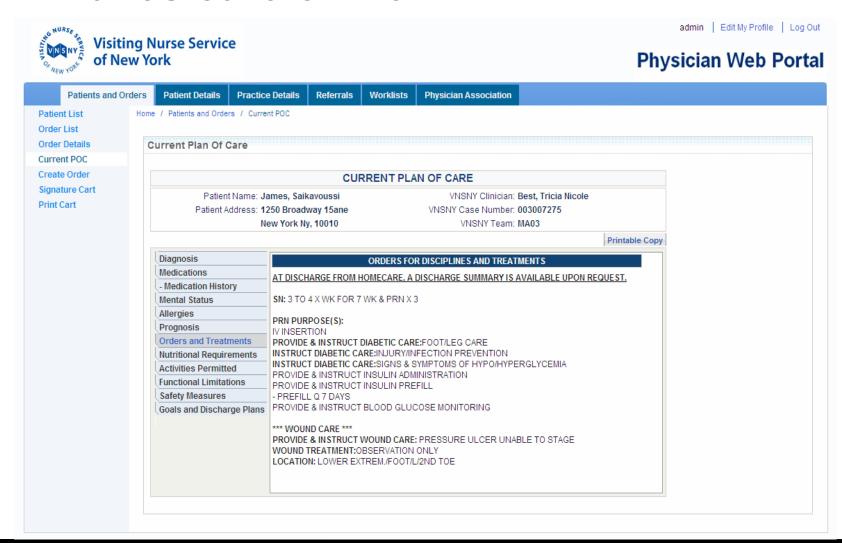


...speaks my language.





...takes care of me.





Building Blocks of Exceptional Web Experiences

Portal

Web Content
 Management

Social Software

Mashups

Collaboration

Search

Analytics

Digital Media

eCommerce

Business Processes

.





What is a Portal?

"Access to and interaction with relevant information, people, applications and business processes, by select targeted audiences, in a highly personalized manner."



Portal Principles

 Aggregation: Combines portlets (application user interfaces and/or content) together into one unified presentation

Personalization: Delivers a highly personalized experience, considering role, personal settings, and device settings

Modularity: Separates site design, site/page assembly/administration, from application design

Integration: Provides services (single sign on, inter-portlet communication, etc.) to enable









What Capabilities can IBM Offer in the Government 2.0 Space?





WebSphere Portal is Flexible

IBM is helping customers deliver the user experiences they choose to their partners, employees, customers, or citizens, with flexibility for change and based on open standards.



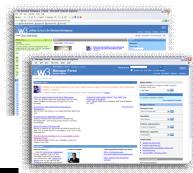
Partners



Customer Experience

Company Intranets Driver Portal: Main Menu

Employee and Manager Self Service





Performance Dashboards





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WebSphere Portal 6.1.5 Delivers

Exceptional Web Experiences

- Differentiate your organization to your customers
- Drive revenue and loyalty with your partners
- Enable productive and efficient employee web interactions

Significantly Reduces Costs

Fastest time-to market



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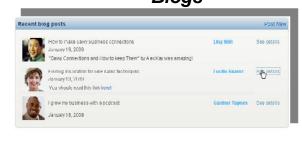


Users Expect Modern Online Experiences:

Web 2.0 + Collaboration + Social Tools + Mobile













Active Tags



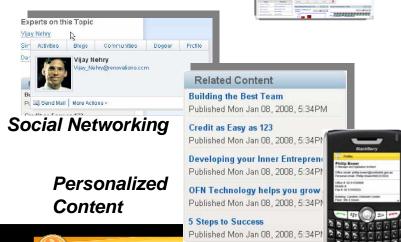






Education





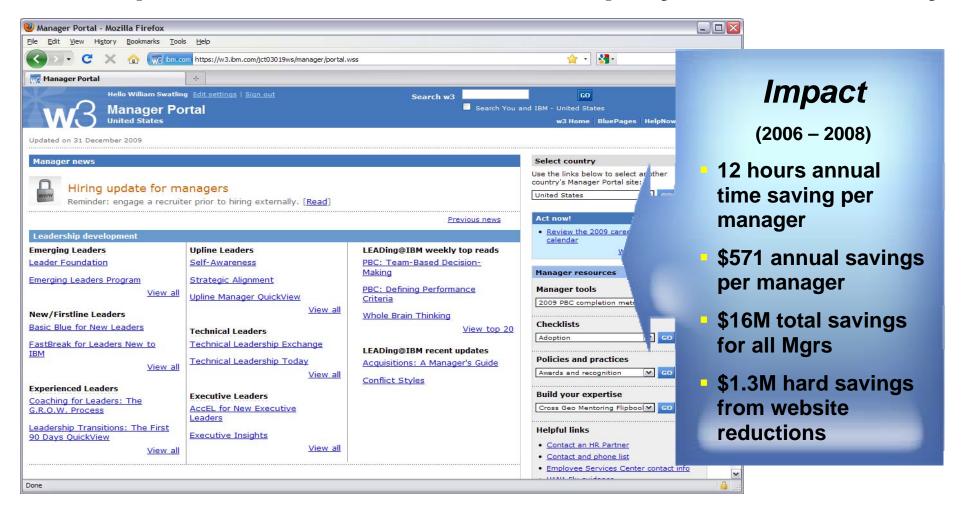
CREATED WITH LOTUS* SYMPHONY



lotusknows.com



WebSphere Portal Increases Employee Productivity





WebSphere Portal Saves You Money

29% lower 5-year TCO compared to in-house developed portals

78% faster time to production for new applications

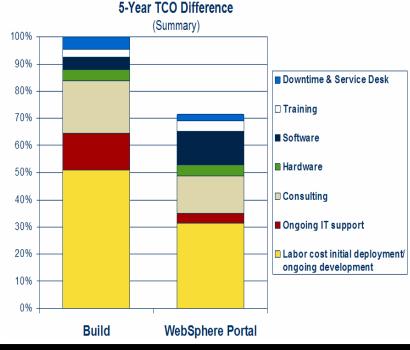
28% increase in server and application availability

25% user productivity increase

38% lower IT labor cost



December 2007





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IBM WebSphere Portal

10 out of the top 10 global banks

4 out of the top 5 US health insurance companies

"According to IDC, IBM leads the EPS market for the sixth consecutive year in 2007,"

Forecast Update and 2007 Vendor Shares: A New Landscape", Doc #213165 July 2008

8 out of the top 10 worldwide retailers

"Gartner, Inc. has ranked IBM as the worldwide market share leader in Portal software based on revenues from 2002 through 2007."

 Gartner Inc. "Market Share: Application Infrastructure and Middleware Software, Worldwide, 2007" by Fabrizio Biscotti, Terese Jones, Asheesh Raini and Joanne Correla June 4, 2008

30 hospitals, clinics and health delivery networks worldwide

Portal Market Presence

Horizontal Portal Magic Quadrant, 2009* leader for 8 consecutive years!

Figure 1. Magic Quadrant for Horizontal Portal Products



As of September 2009

Source: Gartner (September 2009)

*Magic Quadrant for Horizontal Portal Products, 2009
Gartner: September 17, 2009 by David Gootzit, Gene Phifer, Ray
Valdes

In May, 2009 Gartner ranked IBM as the worldwide market share leader in the Portal Products and User Interaction Tools segment

- Based on total worldwide software revenue for 2008

*Magic Quadrant for Horizontal Portal Products 2008

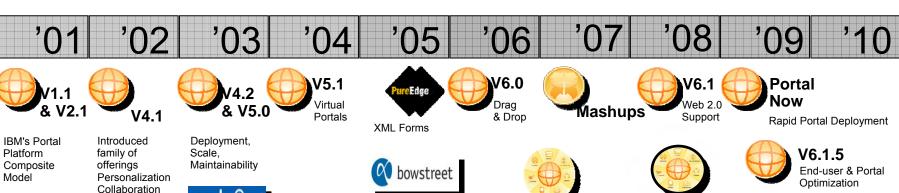




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IBM WebSphere® Portal Ready for the Next 10 Years











Mobile

Learning



Collaboration





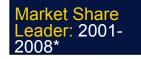


Government Healthcare Retail

Banking Insurance Telecom



WebSphere Portal Awards



















e-PRO MAGAZINE
WINNER























TRANSFORM, READERS CHOICE 2003





Over 700 Government customers are leveraging WebSphere Portal to help meet these challenges

- Delivering Exceptional User Experiences:
 - Deliver innovative, personalized user experiences to their citizens, businesses, partners, employees, and administration with flexibility for change, 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









Wave of New Possibilities

Last 100 Days

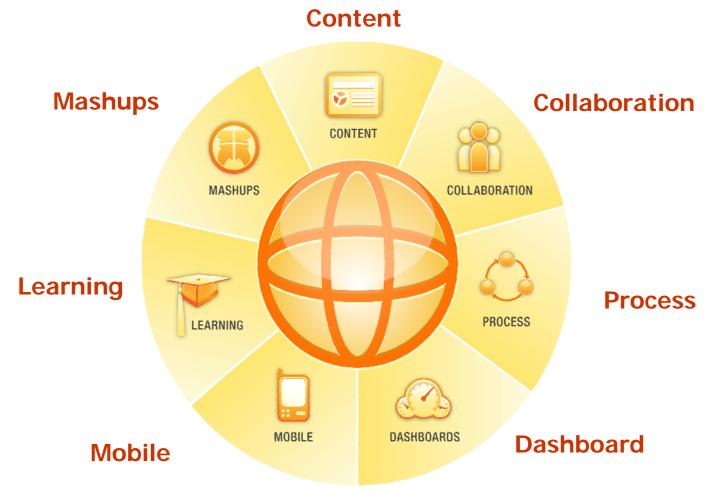
WebSphere Portal Core Integration Platform



Accelerators Extend Portal - Matching Customer Needs Industry Tooboxes
Offer
Industry Templates,
Assets & Best
Practices

- WebSphere Portal (and zOS) v6.1.5
- WebSphere Portlet Factory v6.1.5
- IBM Content Accelerator
- IBM Collaboration Accelerator
- IBM Mashup Accelerator
- IBM Business Process Accelerator (zLinux)
- Lotus Forms Server: Unlimited Viewer Edition
- Government Industry Template
- IBM Portal NOW v2
- Portal / Mashups / Forms on Amazon Cloud
- Portal / Mashups on IBM Smart Business
 Development & Test Cloud BETA

IBM Accelerators for WebSphere Portal





...content is still king

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IBM Content Accelerator

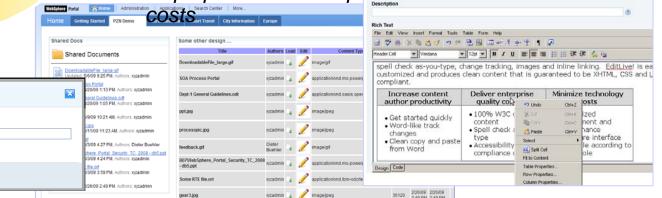


Add Blog to Page

Cancel

- Ephox® Rich Text Editor seamlessly embedded
- ECM Integration leverages existing content
- Blog & Wiki Templates speed delivery social tools
- Web Content Integrator expands spectrum of content sources
- WebDAV expands authoring & management community
- WCM (JSR 286) Rendering Portlet enhanced for improved content display in WebSphere Portal
- IBM WebSphere Portal Content Templates Catalog provides a quick start for using WCM to build up your ow web site

■ Syndication Reporting & Site Analytics improvements help optimize user experiences identify issues and reductions.





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Web Content Management



Lotus knows. ..forms start many processes

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IBM Business Process Accelerator



Modification date

29-01-2009

19-02-2009

19-02-2009

Due date

3/17/09 12:00 AM

4/19/09 12:00 AM

4/20/09 12:00 AM

- Pixel-perfect eForms
- Rich sample forms catalog
- Digital signatures
- Zero footprint Web 2.0 solution Lotus Forms Turbo





Refresh **Title**

New Hire checklist

Loss of a family member

Life - Planning to retire

IBM Collaboration Accelerator



DASHBOARDS

- Seamless Web 2.0 social & collaboration capabilities
- Lotus Connections, Lotus Quickr & Lotus Sametime integration/Portlets







Lotus knows. ..the Web is everywhere

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IBM Mobile Portal Accelerator





Portal

Accelerato



- WebSphere Portal Extension that extends portal navigation to mobile devices
- Mobile Portal Toolkit eases development of device-independent portlets
- Mobile Device Update Service simplifies process of supporting growing market of mobile web

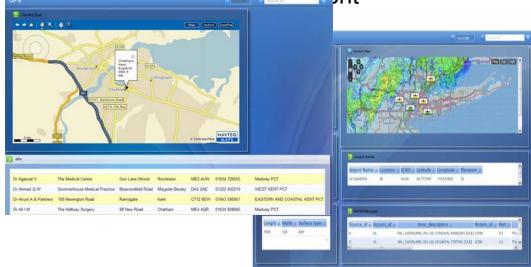




IBM Mashup Accelerator



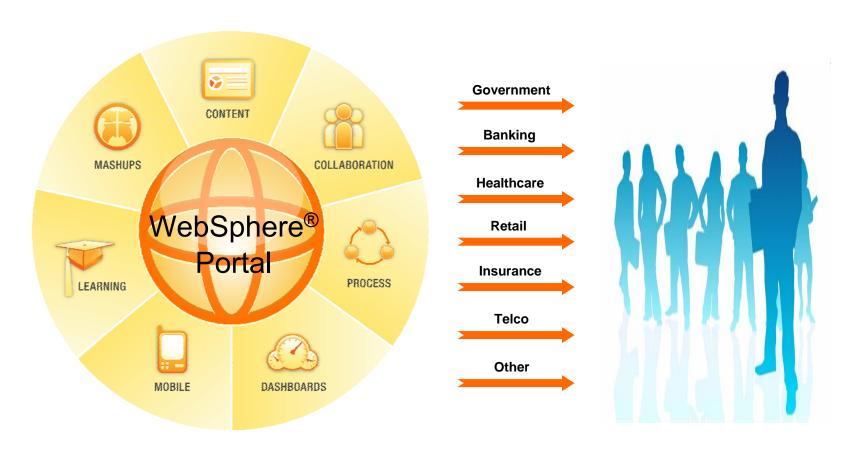
- Assemble mashups in minutes in WebSphere **Portal**
- Unlock desktop, departmental, enterprise and web sources into easily accessible feeds
- Search and discover feeds, widgets, mashups from inside WebSphere Portal
- Enterprise Security and Feed Control for IT Covernance and Management





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Industry Emphasis for WebSphere Portal



Needs of the Business



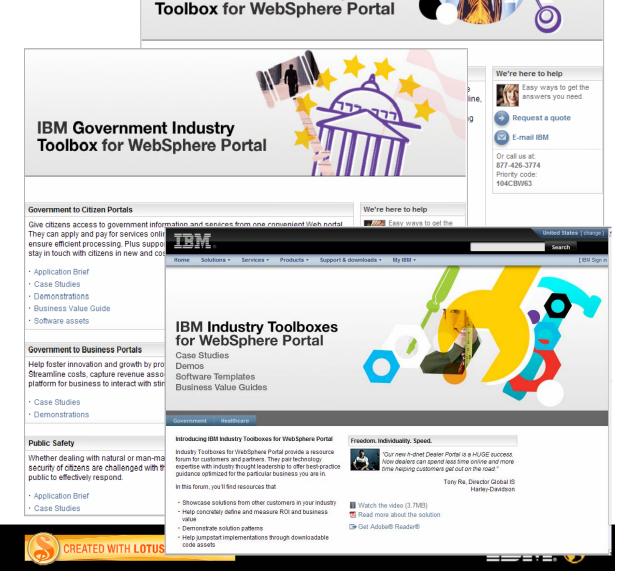


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Tookbioxeeontents describing solution scenarios.

- Business Value Guides
 describing the value enabled
 by the WebSphere Portal and
 Accelerators, and help
 illustrate best-practice
 process and information flow.
- Templates
 which can be used on top of
 WebSphere Portal to help
 jumpstart design and
 assembly of end solutions.
- Demonstrations

 and recordings of example
 solutions design that illustrate
 how end solutions can look
 like.
- Other Code Assets include sample Forms, Dashboards, or other Portlets which can help expedite the assembly of a solution.



IBM Healthcare Industry



What Types of Solutions are Governments Deploying?





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"Citizen Services 2.0": Centrelink delivers multi-channel government services for the Australian Government



http://myaccount.centrelink.gov.au



http://myaccount.humanservices.gov.au

- > **6.5 million customers** (1/3 of Australian population)
- Administers more than 140 different products and services for 25 government agencies
- > 14+ million online transactions in 2008

Customer Portal

- Access to 40+ Services, Advanced Search Engine
- Single Sign-On, Web Content Mgmt, Personalization, News, Re-use of SOA Applications/Services,

Department of Human Services Portal

 Federated Identity Mgmt, Centrelink Services, Medicare Services, CSA Services, Aggregated News via RSS

National Emergency Call Centre Portal

 Process-centric, Authenticated, AJAX Compliant, Rich Functionality. Performance, Scalability, Single Sign-On

Business Services / Partner B2B Portal

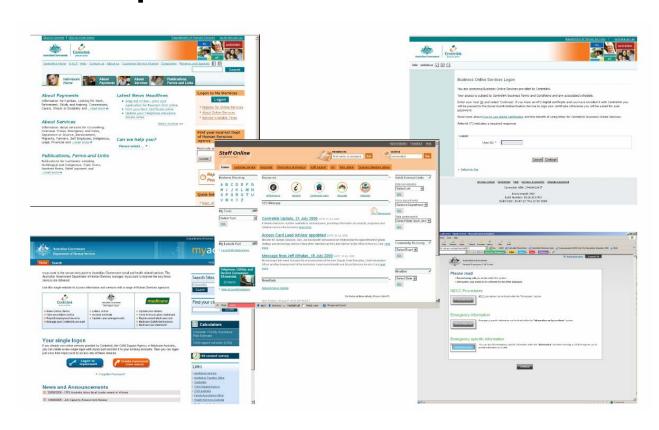
Staff Portal

Employee Services Portal + Social Software





"Reuse 2.0": Centrelink uses repeatable "portal patterns" to speed the development of innovative sites and capabilities



- Base Portal Pattern
 - Common services
 - Security
 - Personalization
 - etc
- Reusable Business Patterns
 - Customer accessing
 Customer data
 - Staff accessing Customer data
 - Staff accessing non-Customer data
 - etc



"Efficiency 2.0" High volume efficient government services: United States Department of Agriculture



- Offers over 550 online services While the site contains a massive amount of information and services, it is well organized and provides a number of features designed to help people find what they are looking for.
 - Finding forms and information is simple by using the "I want to..." box, and the site is customizable by registering with MyUSDA.
 - "Information For..." menu organizes information based on the user. Users can access image and video libraries, radio broadcasts and transcripts of speeches, and the site can be translated into Spanish.
- 3-5 Million hits a day. Spikes to 95-100 million hits a day during scares such as mad cow and e-coli tomatoes.

http://www.usda.gov





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Miami-Dade County Portal: Best in Class Online Local Government Services "Get Online not in line"

Exceptional User Experience

- Single point of contact
- Community Access (40 different departments)

Creating Value with Online Services

- Pay parking tickets,
- Obtain Lic of businesses
- Find Court Documents
- View Property Taxes
- On Line Golf reservations

Cost Avoidance

- Replaced entire departments with Portal Self Service
- Reused employees for strategic value

Drive Revenue

- Increased revenue via Portal = US \$4Million
 - 5K Recycle Bins
 - 300,000 Books on Line
 - 60K On line transactions



1st Place "Best of the Web County Portal" 2004 Center for Digital Government Awards

http://www.centerdigitalgov.com/surveys.php?tid=4&survey=cdg_bow&loc=2004





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"Housing 2.0": Miami-Dade Housing Central Portal: Winner of 2007 Digital Government Achievement Award



- "Opening Doors to Housing" with Online Services for
 - Section 8 Public Housing
 - Foreclosure Assistance
 - Real Estate Listings
- Miami-Dade Housing Central Portal won the 2007 Achievement Award for Government-to-Citizen Local Government Portal



http://www.centerdigitalgov.com/surveys.php?survey=cdg_bow

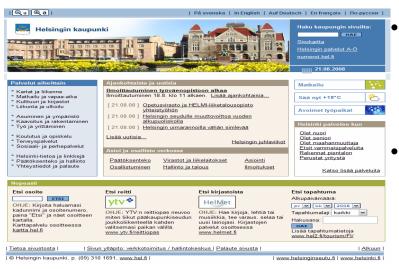
http://miamidade.gov/wps/portal/housing





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"City 2.0": #1 rated Municipal Portal in Europe powered by WebSphere Portal and Content Accelerator



- Via the **City of Helsinki** portal, citizens can communicate and exchange information, access the city's health service, reserve appointments, and fill out forms.
- The solution focused on usability, privacy/security, content, services and the opportunity for people to participate in the affairs of their government.

www.hel.fi



The City of Helsinki Portal was rated #1 in Europe (and #3 in the World) for Municipal websites according to 2007 United Nations Report

http://www.unpan.org/Library/MajorPublications/DigitalGovernanceinMunicipalitiesWorldwide/tabid/804/Default.aspx





Robust content management is critical to providing a highly effective government portal

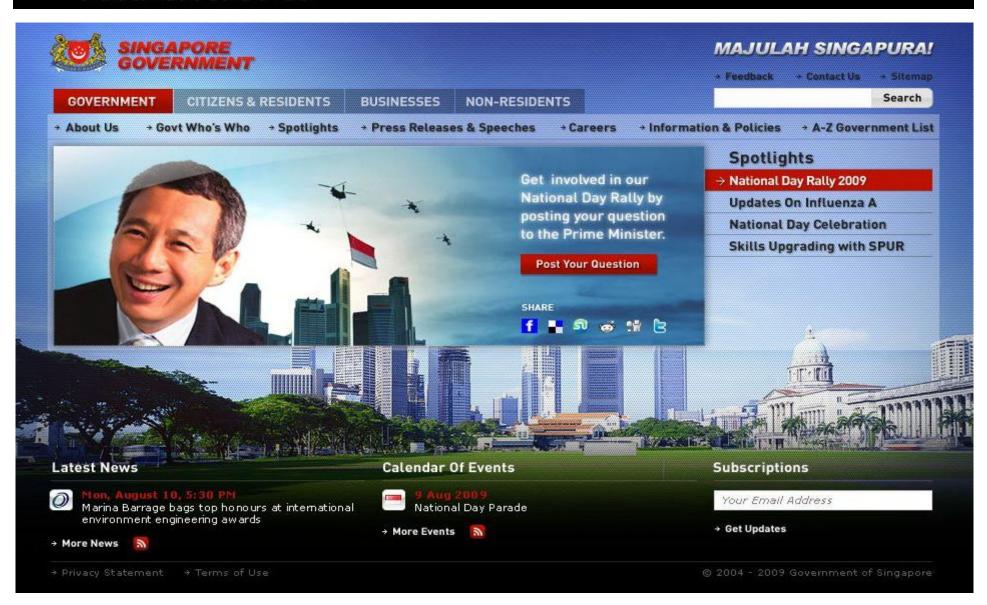




- Over 80% of the city's residents use e-mail/Internet, so online services are expected from the city administration. This includes health services, digital educational material, and online electronic participation in the city's affairs
- The Content Accelerator platform is a business critical tool for communicating timely information to the citizens of the Helsinki region, providing general information services in multiple languages -Finnish, Swedish, and English
- The city has 15000 employees, with more than 200 content authors and over 30 departments



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MyHeritage Portal: Singapore National Heritage Board



http://www.h-portal.sg/wps/myportal

THEBUSINESSTIMES

NHB's MyHeritage Portal uses Web2.0 to be more user friendly

THE National Heritage Board, which launched its MyHeritage Portal on Saturday, July 12, has used Web2.0 technologies and collaborative social computing to improve the quality of services it offers to the public.

'We needed a more organic solution that would leverage on the new collaboration technologies available today, and enable us to deliver faster, more social and more personalised Web experience to the public,' said Mr Chua.

The portal is built using a combination of IBM WebSphere, IBM Lotus and IBM Information Management Software tools and applications.

'It comes from the people. It is a part of our past and present. With the IBM WebSphere technology and new social computing tools in place, we now have a two-way communication channel that lets the public tell us what heritage means to them.'

Within NHB, the new Portal technology has made things simpler for the staff, who also benefit from a single sign-on to access back-end applications.





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Web2.0 and constituent participation are the core of NHB's Portal strategy

Heritage Online

Here are some useful heritage widgets. When you register as a member, you can add these content to your customised page. You can also copy these widgets to your own blogs or websites.



Museum Podcast



H-Portal Twitter



- A single point of access to resources both inside and outside the NHB
- Web 2.0 collaboration technologies that bring people together;
 - Forums
 - Blogs
 - Wikis
 - Instant Messaging
 - RSS
 - Podcasts
 - Widgets
- Personalized interaction with the portal services;
- Integration with other NHB applications and websites.



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Qatar Government Portal: "Hukoomi"



Latest News
Userery on the rise, says
Ingent Read more
User Crimical Court to hear
User Court to hear
User Crimical Court to hear
User Court

- Hukoomi is home to all e-government services for Qatar
 - 275 services, including 56 e-services
 - 48 Government entities involved in development
- Citizens and Residents can pay traffic fees, find valuable government services and get information on police and fire safety
- Businesses benefit from the new e-services allowing them to register in Qatar and have access to information and services on work visas, and business operating laws
- 'Hukoomi brings government closer to the people it serves while demonstrating Qatar's commitment to building a modern and responsive government,'
 - Dr. Hessa Sultan al Jaber, Secretary General of ictQATAR

"Qatar launches new e-Government portal" http://www.ameinfo.com/145928.html





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2010 World Cup Futbol Games – Gauteng Province, South Africa

CHALLENGE

In the event of a large-scale emergency, the Virtual Ops Center (VOC) Solution was installed in the new, state of the art Disaster Management Center to coordinate police, firefighters, emergency medical services and government agencies, across the South African Province of Gauteng, in the fastest and most effective response possible. The existing communication systems lacked collaborative capabilities, requiring personnel to make numerous phone calls to convey critical information.

SOLUTION

VOC Solution is positioned for more effective emergency response with a resilient communications network that people can count on even when power and phone lines are inoperative. Implemented by IBM, the fully integrated, wireless rapid response solution enables seamless interoperability and data exchange, allowing VOC to instantly deliver critical information to responders across the region.

BENEFITS

- 40 -65% responder productivity increase expected during emergencies
- Greater public safety
- Multidisciplinary integration serves as a model nationwide





"This IBM portal software is absolutely critical because our on-line center is used to protect and save lives," - Colin Deiner of the Gauteng Disaster Management Center http://www.03.lbm.com/press/us/en/press/elease/24507.wss

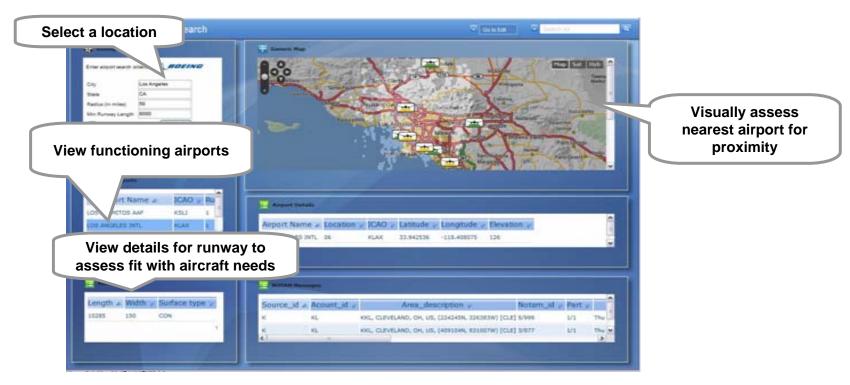




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Boeing and the Federal Aviation Administration: using IBM Mashup Center to resolve emergencies

Enable government officials (FAA) to quickly identify the nearest airport that can safely handle an incoming aircraft for emergency response



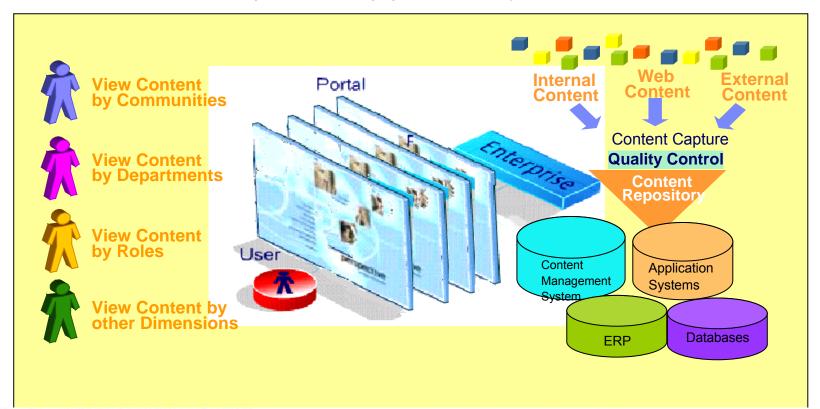
"As an established innovator, Boeing believes in the power of Web 2.0 and embraces it not only for collaborative work, but also for the heavy lifting of enterprise planning and execution... IBM Mashup Center is playing a key role in our visionary approach to strategic asset management. It's critical to know where your major assets are and how to use them at any given time, situation or condition." Paul Comitz, Boeing, IBM Press Release – 5 June 2008





Web 2.0 Student Portal

- What we want to achieve: Key information and knowledge is consolidated, stored and made accessible to stakeholders based on roles through personalised portal:
 - Student: To provide students with a seamless integration of learning and living e-Xperience
 - Alumni: To foster kinship among the alumni through greater connectivity

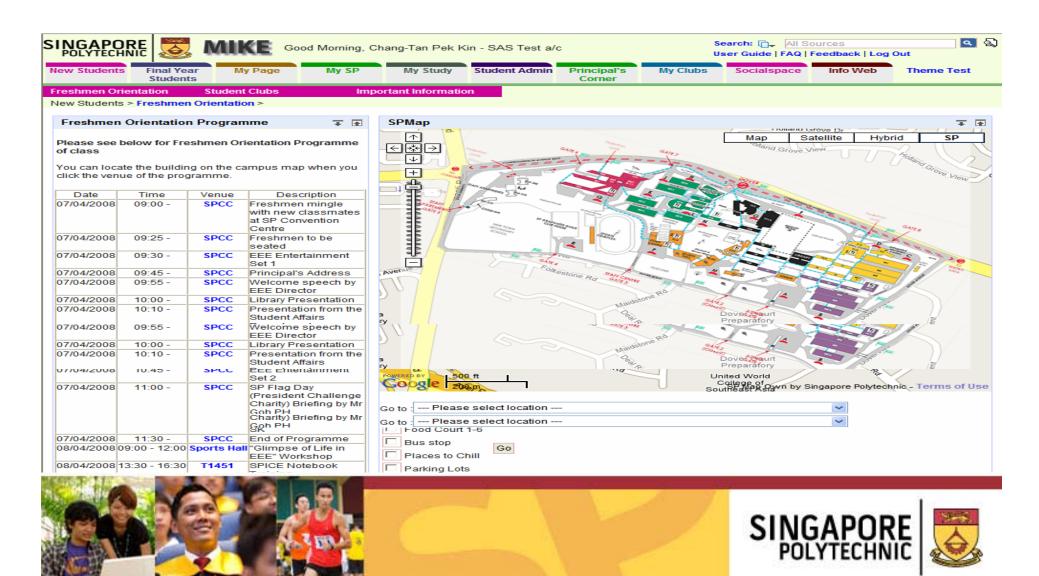






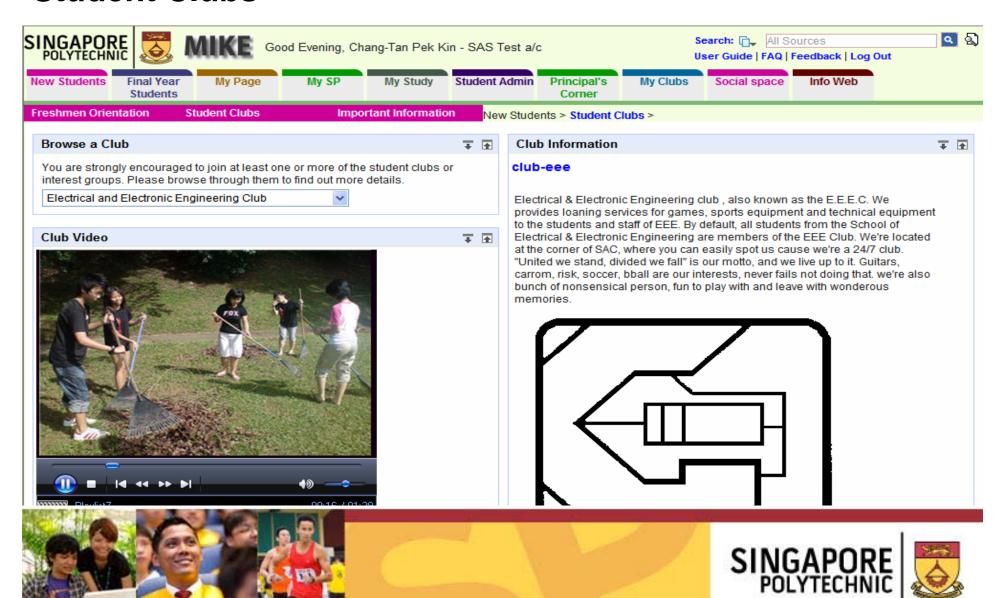
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Freshmen Orientation



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Student Clubs



US Army to save \$1.3billion through the use of Portalbased online forms solution

Overview

The US Army had already converted the front end of the traditional paper-based authorization processes with computer-produced dynamic documents that helped soldiers locate, download and fill out forms. However, the form still needed to be printed, signed and routed through traditional approval processes.

Business need:

The paper-based forms system the U.S. Army utilized could no longer handle the speed and flexibility required in the field

Solution:

The Army chose to re-engineer its processes with IBM Lotus Forms[™] and other IBM middleware, hardware and software, plus the program and technical analysis provided by Enterprise Information Management

Benefits:

Estimated total savings of US\$1.3 billion annually in administrative processing costs • Anticipated improvements in Army field efficiency Projected one-third less time required to fill out forms

Read more in the case study on ibm.com:

http://www-01.ibm.com/software/success/cssdb.nsf/CS/JKIN-7BMS8M?OpenDocument&Site=default&cty=en_us

"The Forms Content Management Program will not only provide fillable forms... using digital signatures, the program will also provide the US Army the means to develop one single enterprise solution for automating functional business processes for the Army's use."

- Jeanne Harman, chief of the Army Publishing Division, Alexandria, Virginia





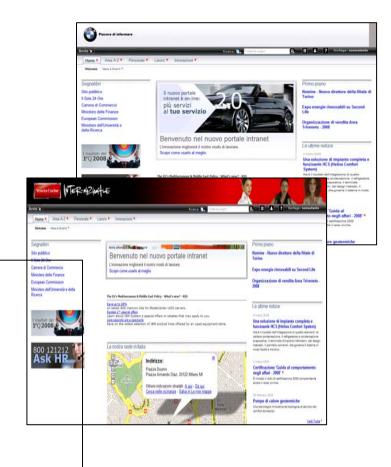


Introducing WebSphere Portal NOW

A complete, ready to use business solution

 Reusable, extensible software templates for WebSphere Portal that solve 90% of your needs immediately

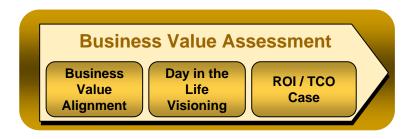
Services from ISSL or Partners to have your site up and running in less than a month





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IBM uses a proven and structured approach to identify and assess business value opportunities for a portal solution



BVA Components



"What could we or should we do with a portal?"



"What might the portal experience be for us?"



"How can we financially justify our portal investment?"





S narl ar active to for a Smorter He net

repopriere i ortai...

A strategic product for your strategic applications

7000+ WW customers w intranets, B2B apps, & customer-facing internet apps

47% of customers are SMB

Smallest customer has 11 employees

Largest customer has 1.8M+ employees



#1 market share for 8 years running

Globally...
10 of top 10 banks
8 of top 10 retailers
12 of the largest telcos
50 major health providers
500 gov'ts + every G8 nation

Over 300 million named users in our top 15 customers alone!!

1 in 6 people worldwide with internet access is a
named user in a WebSphere Portal application





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If the text includes any customer examples, please confirm we have prior written approval from such customer and insert the following language; otherwise delete:

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