

IBM SOA

People, Process, Information for Business Centric SOA



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Session Roadmap

- Business and IT meet
- The SOA Entry Points
- Entry points are evolving
 - People and Web 2.0
 - Information Analytic Services
- Combine entry points for a value multiplier effect



Organizations depend on a flexible IT Infrastructure

Adopting a business centric approach

Business Challenges

Globalization

Mergers & Acquisition:

Risk & Compliance

Eroding Customer Loy

Supply Chain Complexity

Industry Transformations

Cost Cutting...

Business Requirements

Increase the speed of the decision making

e collaboration

administrative time

Deploy end-to-end business process

Business Centric IT Infrastructure

Enable Business Flexibility

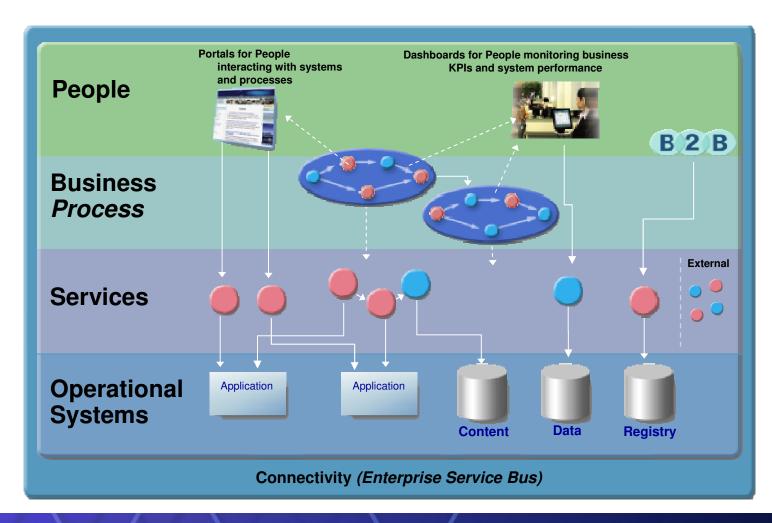
Easy to enhance reconfigure and maintain

Able to be deployed in incremental steps



Services – the building blocks for business processes

Efficiency in creation, reuse for execution...flexibility for change



Goal – Increasing people's productivity and the overall company performance

Goal – Highly flexible and automated business processes

Goal – Reusable services accessable across the enterprise

Goal –Deliver Information as a Service



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The SOA Entry Points



Greater productivity and flexibility through targeted user interactions for improved operations and collaboration



Process

Achieve business process innovation through treating tasks as modular services



Provide trusted information in business context by treating it as a service



Service-enable existing assets and fill portfolio gaps with new reusable services

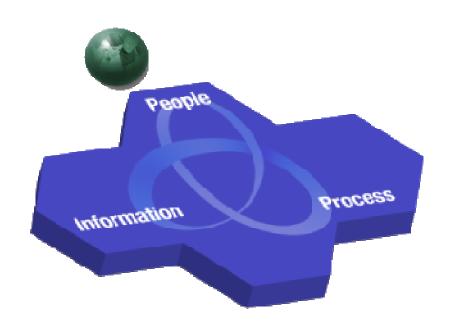


Connect systems, users, and business channels based on open standards



The People Entry Point

Efficient, collaborative, real time decision making and execution for business agility and responsiveness



...a starting point for SOA - enabling people to <u>interact</u> with application and information "<u>services</u>" supporting <u>business processes</u>.

Why It's Important

People are the drivers of the business – they interact with reusable business services using the right information at the right time!



Transalta

Role-Based Emissions Dashboard







Business Challenge:

- Provide real-time KPIs of plant operations
- Monitor/regulate over capacity generation
- Ensure compliance to stringent environmental requirements (eg: emissions)
- Surface data from SAP, Domino, DBs

- **Solution:**
 - Real-Time Emissions Dashboard
 - Role-based views
- Implementation Details: WebSphere Portal, Workplace Dashboard Framework





The Process Entry Point

Integrates and synchronizes business systems and choreographs business and system activities into reusable process components



....the process of supplementing a manual process with an automatically controlled alternative through the orchestration and integration of technology and human assets to form streamlined processes.

Why It's Important

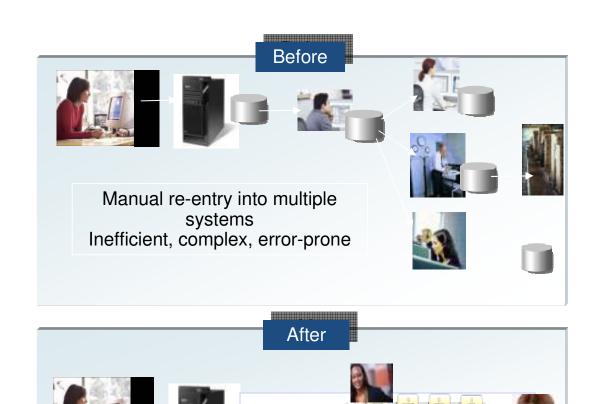
Automated processes reduce administrative time and adaptable and reusable processes to enable faster reaction to business indicators.



Respond Quickly with Automation using SOA

Process Automation

- Integrate and Synchronize Business Systems
- Choreograph Process
 Activities Across the
 Organization
- More responsive IT organization
- Pre-built, reusable services reduce:
 - execution time
 - complexity/ maintenance costs
- Higher productivity through automated process execution:





Simplifying access to government services Ministry of State for Administrative Development — Egypt

■Business challenge:

 Improve the services offered by the government to the citizens while improving the efficiency and utilization of the human and IT resources involved in the delivery of these services.

Objectives:

- Make it easier for citizens to access government services
- Improve efficiency and let the staff focus on the most critical tasks
- Remove Internal bureaucracy and improve customer facing processes
- Base government services on standard technologies that eliminate vendor-lock

• Actions:

- MSAD employed a service-oriented approach, built on standard technologies, that simplified and standardized their web-enabled government services.
- The approach was piloted in an employee insurance registration business process that involves 3 agencies.



Outcome

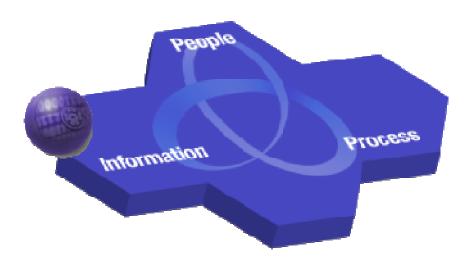
■Business value:

- Integrated solution leads to improvement of citizen satisfaction
- Government agencies can quickly exchange data and maintain consistency
- Citizens can easily access services and save time
- Standards-based solution that opens up vendor lock



The Information Entry Point

Delivering actionable information to people and processes



Connect, enhance and deliver in-context information across diverse operating systems, applications and legacy systems through reusable services.

Why It's Important

The Information Services enable consistent views and maintenance of data and content, providing a "single view of the truth" to people and processes

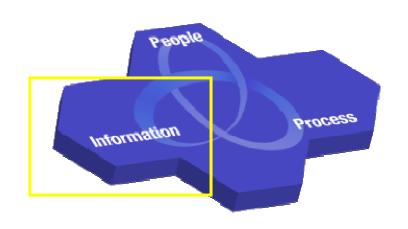


Classifying Information Services patterns

Identifying usage patterns to focus the business case







An enterprise-wide information management strategy increases the chance of success for service oriented architecture efforts by at least 70%...

Gartner, February 2006







Co-operators Insurance



Master Data Services to maintain customer info across lines of business



Business Challenge:

Create a source for complete and accurate customer information to drive sales across lines of business and save costs

Solution: Core customer information hub built on service oriented architecture for maximum flexibility, with cross-references to policy, claims and billing systems

Results:

- Can up-sell and cross-sell more effectively, growing revenues and customer loyalty
- Efficiency due to "once and done" processing helps to avoid manual data fixes, and reduces IT maintenance support
- Service oriented architecture provides flexibility, ease of maintenance and reduced development time
- Enhanced customer service and business development opportunities
- ▶ Implementation Details: DB2, WebSphere Application Server, IBM WebSphere Business Integration Server, WebSphere Customer Center, WebSphere MQ



People, Process, and Information Primary Products

People

- WebSphere Portal
- WebSphere Portlet Factory
- Workplace Forms
- Workplace Dashboard Framework
- Lotus Expeditor
- Lotus Sametime

Information

- IBM Information Server
- IBM Master Data Management
 - WebSphere Customer Center
 - WebSphere Product Center
- DB2 9 pureXML



Process

- WebSphere Process Server
- WebSphere Integration Developer
- WebSphere Adapters



Announcement Highlights





FileNet P8 Content Manager

Integrated event services to SOA-enable content-centric processes

DB2 9 for zOS

• Scalability and performance for both relational and XML data.

IBM Metadata Workbench

Showing where information comes from and what happens to it along the way

Dynamic Warehouse

Embedded Analytics insight capabilities with integrated tooling



People

WebSphere Portal

• Composite application / business mashup framework features Web 2.0. capabilities

Lotus ActiveInsight

Performance Dashboard to link corporate objectives with relevant business information

WebSphere Portlet Factory

Rapid portlet creation environment

Lotus Component Designer

Easy to use scripting tool lowers barriers to development of Java or web based apps
 Application Infrastructure Services

Portal Infrastructure Services to help implement your platform

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Web 2.0 SOA takes the People Entry Point to the next level Users pull SOA services

Users Enterprise IT Mashups Wikis Structured services **SOA Services Process** Information Governance **Blogs** RSS **Beable** Information RESULT >> NEW Agility and Flexibility from enterprise integration with user's lightweight services and collaboration



Web 2.0 Goes to Work with SOA

Social Software

- >Lotus Connections
- **≻Blogs**
- >Wikis
- **≻**Collaboration

Infrastructure

- >RSS
- >ATOM
- >AJAX
- **≻REST**
- >SOA



Mashups

Innovative Applications

Sheraton.com: Guest Gallery



Information



Implement Web 2.0 with Mash-ups

Enable effective insights, decision and actions



Web

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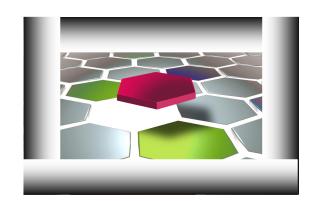




Combine Entry Points for a value multiplier

Individual Entry Point projects deliver value on their own and even greater value when combined

- 1. Each project should create value
 - Do not build for the sake of creating services
 - Create services that will be used for the project
- 2. Remember that MOST projects have a People, Process and Information dimension
 - Look to those dimensions for alternate solutions
 - Find the most effective alternative and one that can be reused
 - Effectively mix and match services
 - eg: Information Services for federated corporate data, mashups for accessing public information services
- 3. Build incrementally
- 4. Look to reuse

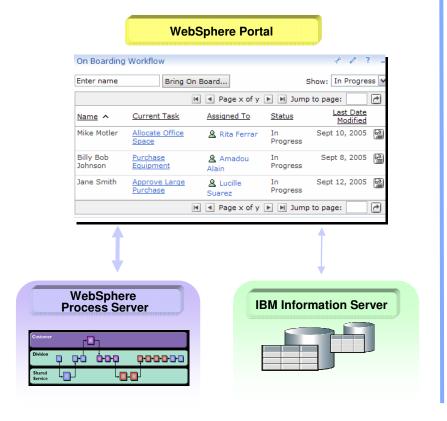




Combining Services for a People-centric approach

A Personalized approach to Task Management

Tasklists with automated back end integration "under the cover"



Task Pages and processing portlets combined with ad-hoc Person-2-Person capabilities e.g. for exception handling and problem resolution



Business integration Dubai Municipality — UAE

■Business challenge:

 Dubai municipality was challenged with internal bureaucracies and single channel customer service processes

Objectives:

- Be the best e-government program in Dubai
- Remove Internal bureaucracies, improve customer facing processes, and be more responsive
- Demonstrate savings internally and externally to customers
- Increase public image of the Municipality

• Actions:

Dubai Municipality employed a serviceoriented approach which provided a low-cost, responsive and convenient online service that



Outcome

■Business value:

- Provided multi-channel access integrating people, processes and information
- Reduced cost in terms of paperwork
- Reduction in time (i.e. customer service, transaction processing)
- Reduction in the number of visits to government offices

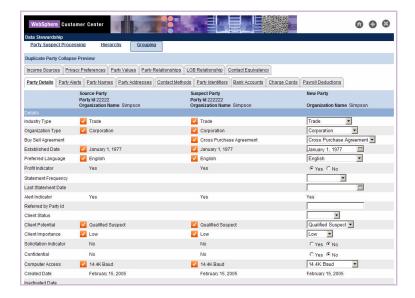


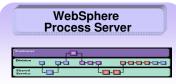
Combining Entry Points for 360° customer views

Solutions for fast and accurate decision making

Combine Portals and Master Data Management for effective customer relationship management solutions

WebSphere Portal



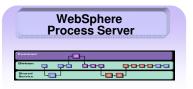




Combine ActiveInsight and Dynamic Data Warehouse for more accurate decision making with real-time analytics

Active Insight









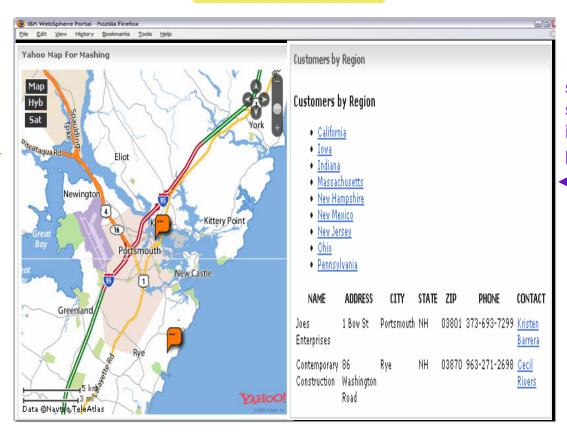
Combining Web 2.0 and SOA for effective decision making



Increasing the value of corporate applications

Web 2.0

Mashups
> increasing the consumability of the web experience



SOA
> delivering
secure process
services and
information to
people

SOA



IBM SOA

شكرا لحضوركم و مشاركتكم في هذه الندوة

Thank You





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Wüstenrot &Württembergische



Automating the mail delivery process

Wüstenrot & Württembergische AG create a high tech pipeline





Business Challenge:

 Needed an automated, paperless mail distribution solution to reduce mail delivery time and save money.

- Solution: A back-end document repository, automated workflows, a mail processing application and an easy-to-use interface:
 - automatically stores and distributes incoming mail
 - enables back-office employees to access a list of duties and responsibilities

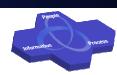
Results:

- Improved efficiency and customer service: mail is now processed and delivered within 2 hours
- Increased productivity: outlines tasks, priorities and makes workload balancing and management easier
- Implementation Details: WebSphere Business Modeler, WebSphere Process Server, WebSphere Integration Developer, WebSphere Information Integrator Content Edition



Combining Portal and Process

Austin Energy's Portal







Business Challenge:

Serve vocal but underserved community of multi-family property owners to provide more accurate and timely access to usage, billing, and repair systems

- Solution: Secure, simplified web-based access to multiple, complex legacy systems.
- Results: Improved customer satisfaction Reduced cost burden on AE to administer access to the legacy systems
- Implementation Details: Portal Extend, WebSphere Process Server, Workplace Web Content Management, Tivoli Access Manager, Rational Performance Tester



Login Portlet 🗀 🗉	
Log In to Your Austin Energy Secure Accounts	
Username: Password:	
Log In	
Forgot Password?	
New User? Register Here	



Increase brand awareness for customers and drive revenue Starwood – Sheraton.com







Business Challenge:

Communicate the brand
Create online community while enhancing brand loyalty
Enable consumers to connect with other consumers
Improve guest satisfaction
Improve conversion rates for greater revenue

- Solution: Use SOA-based services to add value to brand initiative and web site redesign enabling greater community and collaboration features for web 2.0 capabilities
- Results: Increased guest satisfaction, Increase in page views and visitors, Increased conversions → revenue
- Implementation Details: WebSphere Application Server, WebSphere Process Server