

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
collaboration
administrative time
pepioy end-to-end business process

Business Centric IT Infrastructure

Enable Business Flexibility

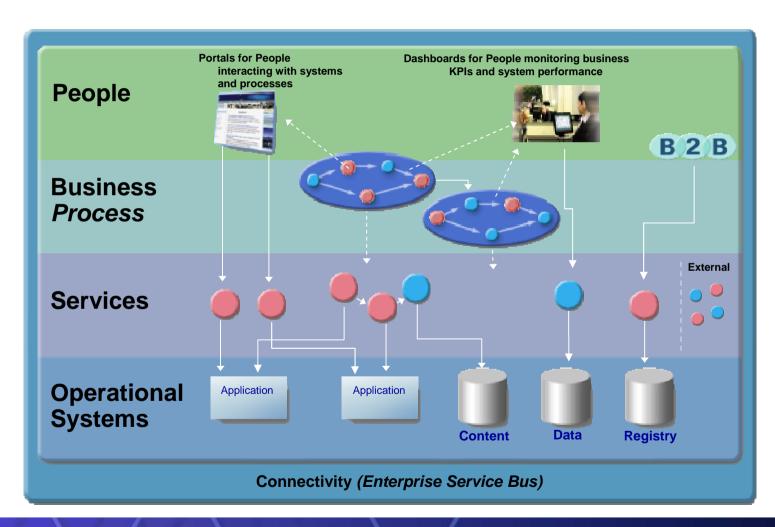
Easy to enhance reconfigure and maintain

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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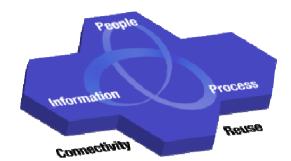


The SOA Entry Points



People

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

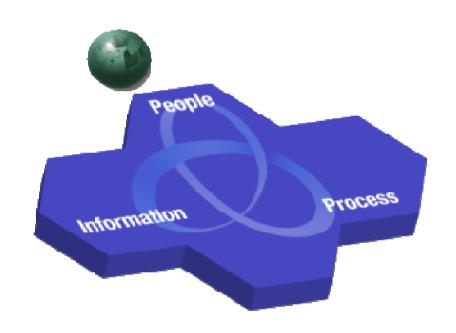


Connect systems, users, and business channels based on open standards



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 business processes.

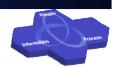
Why It's Important

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

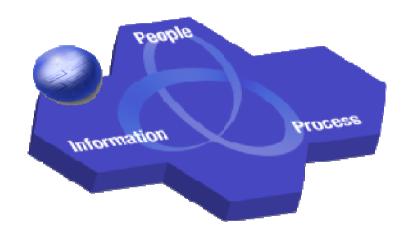
- **Solution:**
 - Real-Time Emissions Dashboard
 - Role-based views
- Implementation Details:
 WebSphere Portal, Workplace
 Dashboard Framework





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.

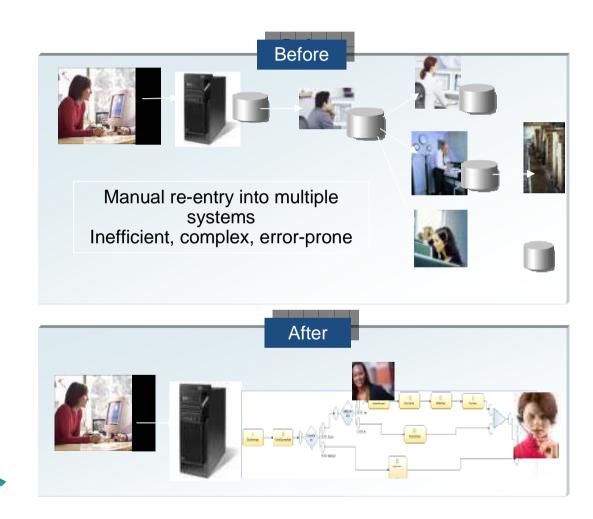
Why It's Important

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:





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

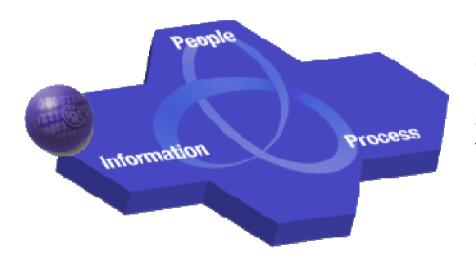
Results:

- 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



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 enables consistent views and maintenance of data and content, providing a "single view of the truth" to people and processes

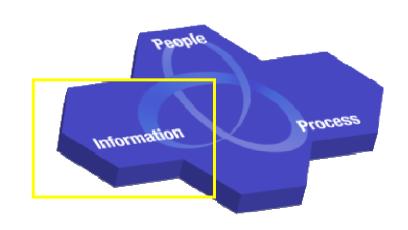


Classifying Information Services patterns

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

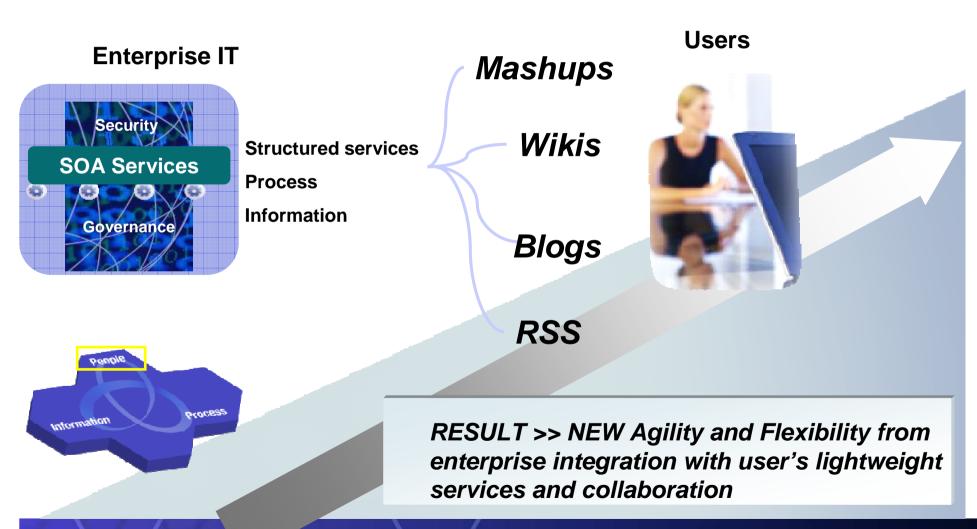


Session Roadmap

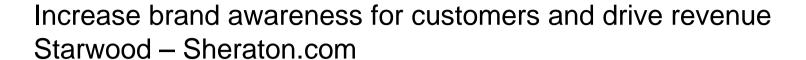
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Web 2.0 SOA takes the People Entry Point to the next level Users pull SOA services













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



Web 2.0 Goes to Work with SOA

Social Software

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

Infrastructure

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



Mashups

Process

Innovative Applications

Sheraton.com: Guest Gallery



Information



Implement Web 2.0 with Mash-ups

Enable effective insights, decision and actions





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Combine entry points for a multiplier effect





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

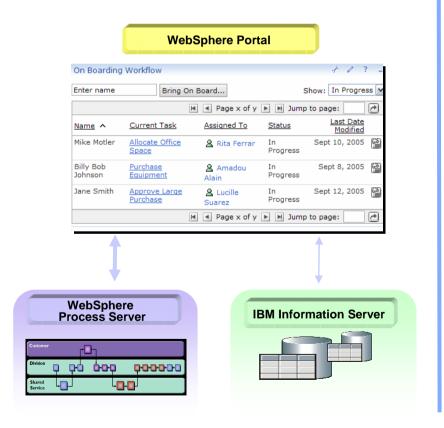




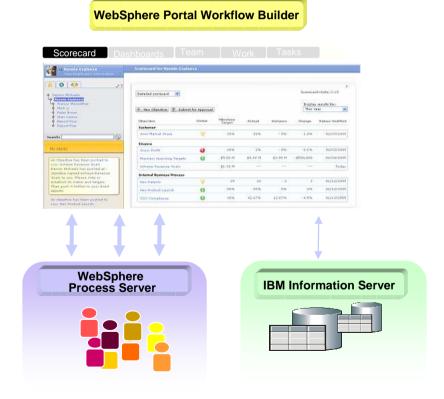
Combining Services for a People-centric approach

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





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

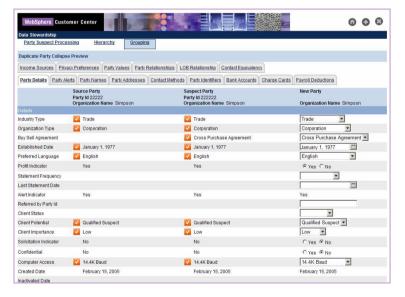


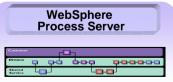
Combining Entry Points for 360° customer views

Solutions for fast and accurate decision making

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

WebSphere Portal



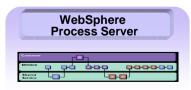




Combine ActiveInsight and Dynamic Data Warehouse for more accurate decision making with real-time analytics

Active Insight









Combining Web 2.0 and SOA for effective decision making

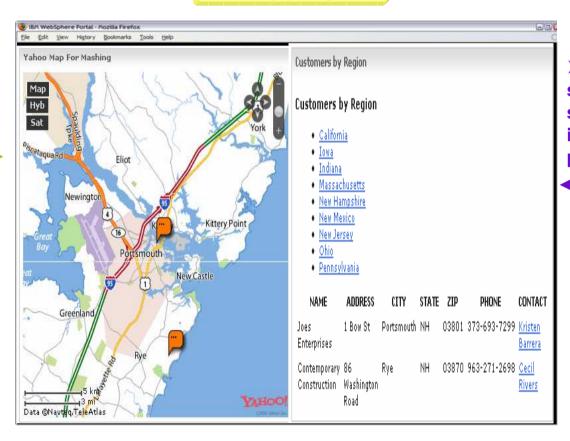
Combine Entry Points

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



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