

BPM, System z and 'Me':

Exploring the Human Centric aspects of Business Process Management and System z



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WebSphere BPM, System z

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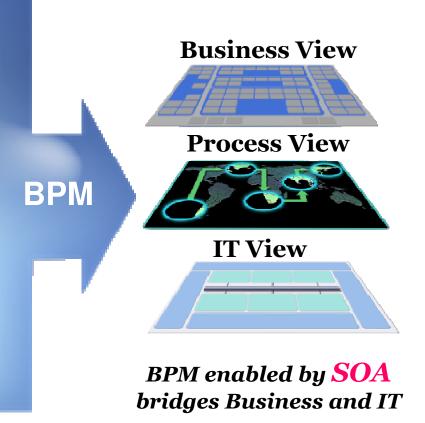
Agenda

- SOA, BPM and Human Tasks
 - ☐ IBM's BPM Offerings
 - **☐** Business Space
 - ☐ Human Interaction from Modeling through Deployment
 - **☐** Business Events and CICS
- ☐ Summary and Next Steps



BPM drives Business and IT alignment around functional and transformational Business Objectives

- Collaborate to predict and optimize process outcomes through modeling and simulation
- Rapidly customize processes with business users using policies instead of code
- Sense and respond to business events in real-time for automated response or human decision support
- Rapidly deploy new solutions from reusable building blocks that can be changed on-the-fly





Changing fast is not enough - change needs to demonstrate highest value at lowest cost - **NOW**

Three change imperatives in organizations today:

Business led

Business is empowered to make change while IT dynamically adapts (policy-based change)

Collaborative

Business Leaders and IT create, adapt and optimize strategies, process, KPIs, etc. (process model-based change)

Evolutionary

Detect and respond to changing business conditions with real-time insights from processes and events (response-based change)





Components of Business Process Management



Integration Centric Processes

strong focus on automating processes that integrate systems and applications



Document Centric Processes

strong focus on the involvement and extensive use of documents



Human Centric Processes

strong focus on automating people-intensive activities: servicing customers, operating call centers, managing sales operations, supporting field-based agents

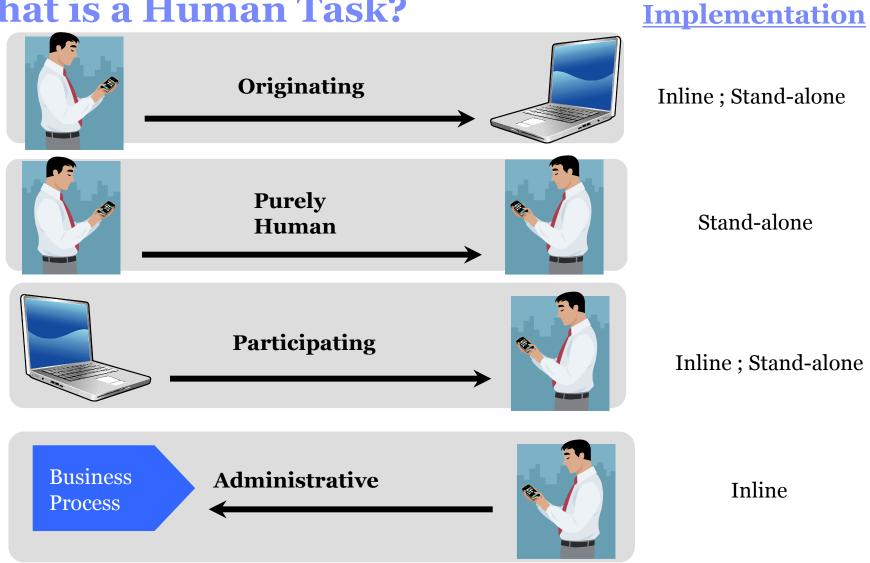


System zValue

z/OS provides the highest levels of availability, scalability, integrity, and reliability, providing guaranteed service levels and deep end-to-end security integration



What is a Human Task?



Originating Task Interface



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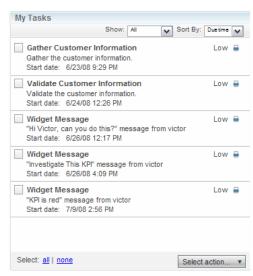


Business Space at a Glance





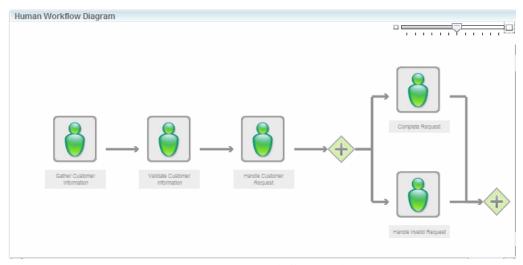
Widget Gallery: Human Tasks



My Tasks



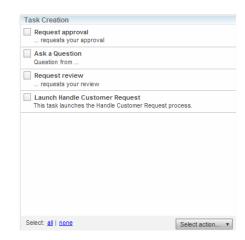
Team List



Human Workflow Diagram



Tasks Created by Me

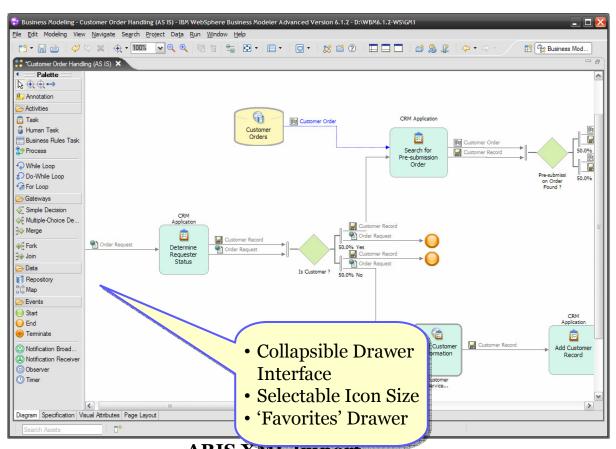


Tasks Creation



Human Centric Modeling and Simulation

You can't optimize what you can't see





Model, simulate and seamlessly deploy

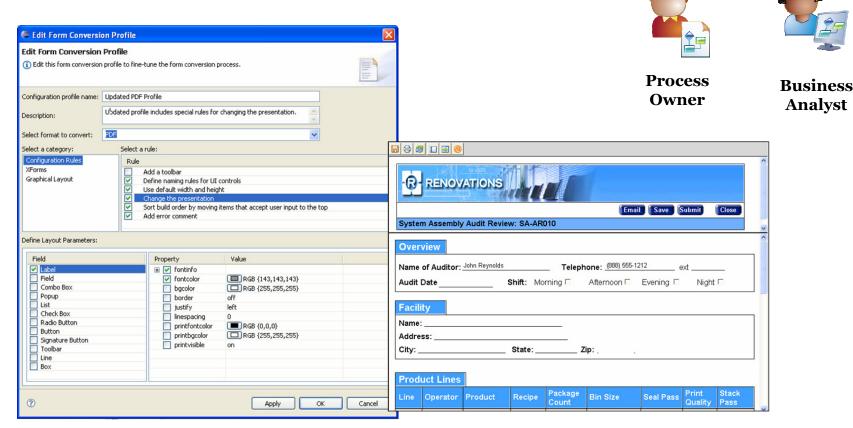
ARIS XML Import Microsoft Excel XML import Custom graphical images Visualize in BPMN format

WebSphere Business Modeler



Create Business Forms Rapidly and Easily

Designed by business people for business people



Human workflow storyboarding in WebSphere Business Modeler

Share forms through WebSphere Business Modeler Publishing Server Lotus Forms Included in WebSphere Business Modeler

Storyboarding Support

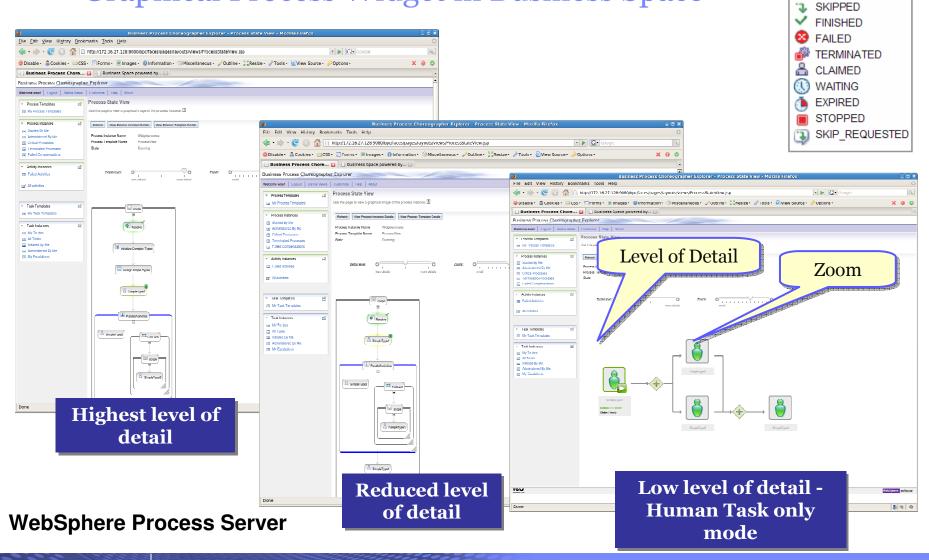


INACTIVEREADY

RUNNING



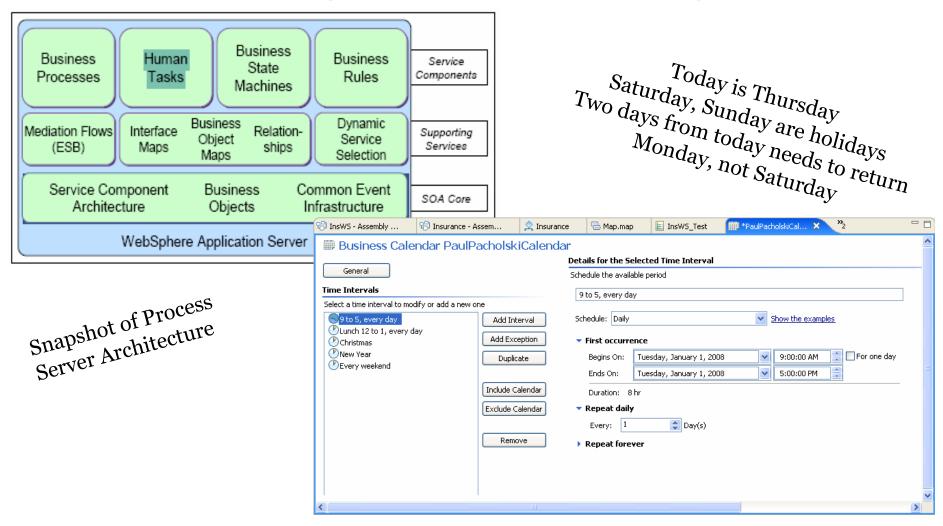
Human Centric DeploymentGraphical Process Widget in Business Space





WebSphere Process Server

Human Task Management and Calendaring







Monitor, Predict and Act

Real-time visibility and actionable insight into processes

- Monitor KPIs, business situations, process information, events and activities in real-time
 - New in v6.2: predictive KPIs enabling users to pre-empt potential problems and take advantage of potential opportunities
- Aggregate and correlate information from disparate sources



BAM dashboards for mobile devices

Collaboration on monitoring interfaces through WebSphere Business Modeler Publishing Server





WebSphere Business Monitor

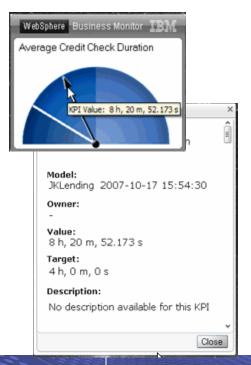


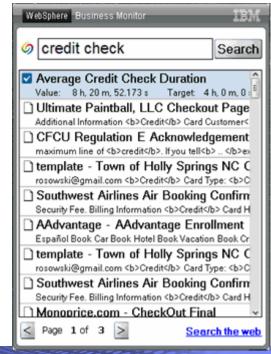
Keep Critical KPIs and Alerts in View

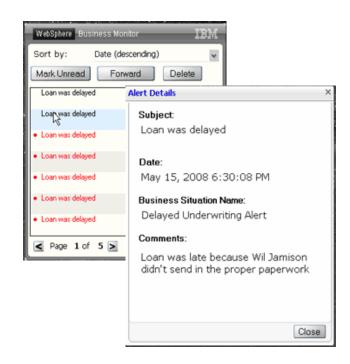
Integration with Google Gadgets

- > View and search Monitor KPIs, files, emails, chats etc.
- > Free-floating KPI and Alert widgets

KPI Gadget display individual KPI Desktop Search Gadget searches your desktop and your KPI's Alert Gadget display alerts for specified user







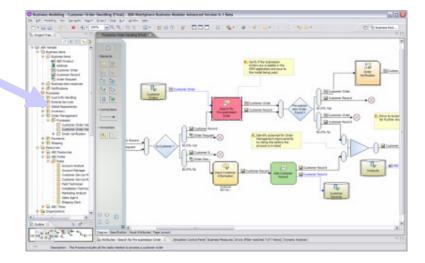


Feed Process Performance Data into Process Models Simulate the processes you monitor with actual, real-time data



Agility Indicators





Collaborate on monitoring interfaces through WebSphere Business Modeler Publishing Server



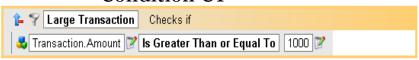


WebSphere Business Events

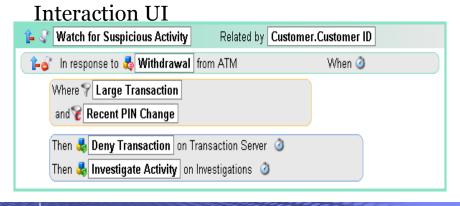
Correlation of business events

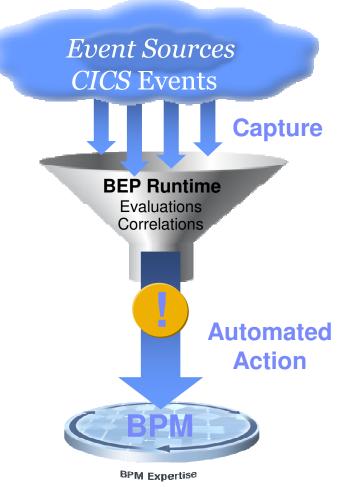
- > Broadest range of event sources
- **>** Business user interface
- > Massive scalability and speed
- > The Power of BPM to respond

Condition UI



Building Blocks





WebSphere Business Events



Where does Business Event Processing fit in a Complete BPM Solution?

Business Event Processing

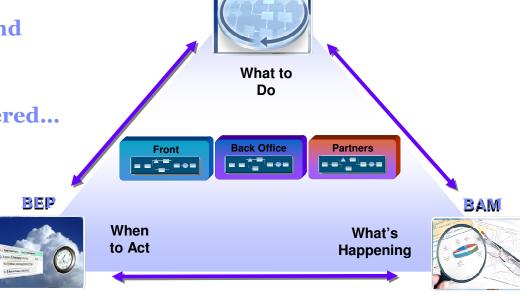
> Detects event patterns as they happen...

> Across different event types and disparate event sources...

> Where events may not be ordered...

> Where the actionable event needs to be derived from physical events...

> Involving systems, humans or both.



BPM

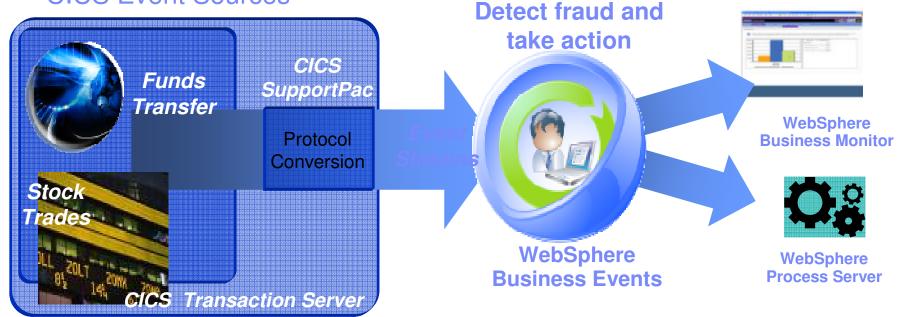
A Complete BPM Solution

Know When to Act, What To Do, and Watch What's Happening



Capture mainframe event sources for greater insights and action

CICS Event Sources



WebSphere Business Events integration with WebSphere Business Monitor, Tivoli NetCool and CICS Transaction Server



Deploying on System z provides differentiated value Enabling intelligent IT that works for your business

The New IBM System z10 Enterprise Class

The power of many . . .







... the simplicity of ONE

Server Leadership: 40+ years in the making!

Mainframe utilization rates often exceed 80%, and are designed to handle sustained peak workload utilization of 100% without service level degradation.

- Consolidation of hundreds of applications
- Granularity of WebSphere deployments
- Messaging speeds to support SOA
- Price / performance improvement of specialty engines
- Adapt faster to workload variations such as dynamic SOA
- Respond automatically to demand from CICS, IMS, DB2, WebSphere, ...
- Deploy new WebSphere workloads in minutes



- **Agenda** SOA, BPM and Human Tasks
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Summary

BPM is not a project, but a continuous and sustainable evolution that incrementally improves the way you do business today and delivers an ongoing stream of benefits.

- ➤ Humans are an inevitable part of business management solutions understanding how to collaborate, model, predict and optimize processes via human interaction could propel your organizations' ability to respond to requirements
- ➤ IBM's BPM suite addresses how to enable people within your processes: business space allows changes made at the glass by business analysts and business users alike contains widgets for key components of a BPM: modeling, simulation, deploying and monitoring
- > Human error is possible protect your business with top-notch security inherent to system z
- ➤ Enable CICS to act as a source of events for use in Event Processing, allowing visibility into the business processes



Customers turn to IBM for unmatched breadth of BPM Software & deep BPM and Industry Expertise

#1 in BPMS market share* Over 4600 BPMS customers in over 30 countries and growing...

Depth of BPM Expertise

- World-class BPM methodologies. process templates, industry best practices, and benchmarks
- **BPM Competency Centers**
- > BPM value assessments and workshops
- > 1000+ BPM consultant specialists
- > 1,770+ systems integrator and reseller partners
- > 4000+ ISV partners
- > 10,750+ GBS/GTS practitioners
- > 20+ BPM training and education courses

Breadth of BPM Software

- Collaborative business process modeling and simulation
- **Best-in-class integration tools.** technologies, and adaptors
- > Comprehensive asset repositories for BPM-related reuse
- > Dynamic, policy-based process customization using composite business application
- > High performance, scalable process orchestration and execution engine
- > Real-time activity monitoring and response
- > Pre-built industry solution accelerators and industry models



"The IBM [BPM] software that we now use has encouraged better business practices throughout our organization, making our company as well as our customers more profitable." ACI GLOBAL

* Gartner BPMS market share, June, 2007, Michele Cantera



Call to Action:

Let IBM help you get started with SOA on System z

explore

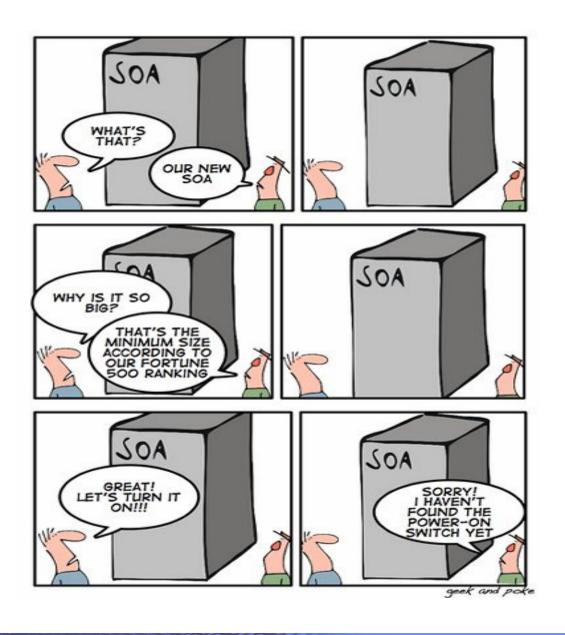
- SOA Sandbox
- z Integrated Architecture Workshops (zIAW)
- SOA Assessment Workshop
- Process ImprovementWorkshop (PIW)



learn

- Attend a local industry or technology event – contact your WebSphere rep
- Download additional information about IBM's
 BPM suite – including demos and WhitePapers







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WebSphere BPM, System z





References

- > z/OS Getting Started: WebSphere Process Server and WebSphere Enterprise Service Bus V6 (Sg247378)
- > The Value of IBM System z and z/OS in Service-Oriented Architecture (RedPaper rp4152)
- > Product Information
 - Business Space
 - WebSphere Modeler
 - WebSphere Process Server
 - WebSphere Monitor
 - WebSphere Business Events



Additional Information



Human Resource Substitution & Escalation

WebSphere Process Server, WebSphere Integration Developer

>Assigning People to Human Tasks

- Works out of the box with VMM [Virtual Member Manager]
- Can be configured to work with other people directories (e.g., production people)

>Support for managing time constraints

 Multi-level escalation with e-mail based notification to involve additional people or services when the progress of a human task falls behind the modeled expectations

Customizable e-mail Notification

>Enhanced human-centric BPM capabilities

 IBM Lotus Forms integration for human task activities for business user clients

Delete human tasks on success only

Exercise more granular control over the tasks that are deleted
by providing an option to delete only those that have
completed successfully, while retaining those tasks that likely
require investigation



SOA delivers business value today on System z

Flexibility, growth, reuse, decreased cost



- > 97% of customers justified their SOA project on cost
- > 100% saw increased business flexibility
- > 51% saw revenue growth

Source: The Business Value of SOA, 2006 Institute for Business Value Study

SOA System z customer benefits

- 1. Eliminated system downtime
 Fifth Third Bank
- 2. Increased business efficiency

 HSBC
- 3. Reduced time to value by over 50%

 Crowley Maritime
 - 4. Lowered costs while improving qualities

Insurance Services Office, Inc.

5. Differentiation through a flexible technology model

Hoplon Infotainment



Why System z? The Value of Proximity

Transportation Industry POC Presentation Presentation Logic Logic **Business** Logic Avg CPU time per Avg CPU time per trx trx (ms) (ms) **Business** 11.73 2.64 Logic Amount of data Amount of data xfrd per trx xfrd per trx (KB) (KB) 54.4 0.5 Data Data DB₂ Logic Logic

- Effect of refactoring business logic to be co-resident with z/OS data:
 - Average CPU time per EJB transaction was reduced by over 77%
 - Number of bytes of data transferred per EJB transaction was reduced by 99%
 http://www.ibm.com/support/techdocs, Optimizing WebSphere Performance on DB2, WP100558



What are Widgets?

