

Business Process Management Enabled by SOA

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CEO's Cite Innovation as Top Priority for Business Business Model Innovation delivers the greatest returns

Results of 765 CEO interviews worldwide:

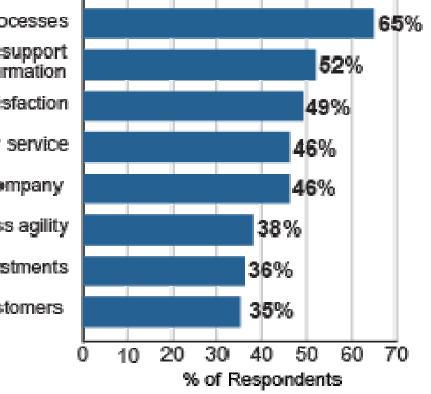
Out Performers place 2X emphasis on **Business Model innovation** than under performers

- CEOs are under intense pressure to innovate
- Corporate culture is critical to sustained innovation
- Business model innovation is the new strategic differentiator





Which key business priorities will your IT organization implement or support in 2007?



Streamlining or optimizing business processes Establishing processes that support real-time business information Increasing customer satisfaction Improving customer service Boosting worker productivity across the company Improving business agility

Gaining better return on IT capital investments

Increasing collaboration with customers

Note: Multiple responses allowed. Data: InformationWeek Research Outlook 2007 study of 300 business technology professionals



Inflexible and Outdated Processes Are the Root Cause of Many Corporate Disasters

Major Airline strands passengers on runway for 10 hours – no food, overflowing toilets



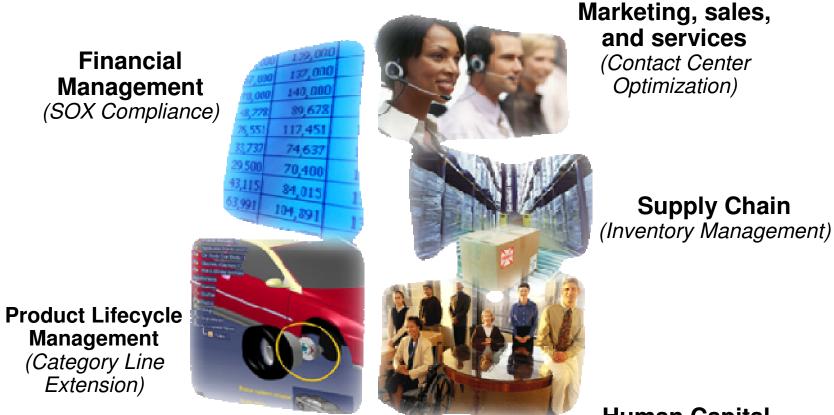


Market-leading cell-phone provider exits market after small fire

Why? Inability to modify processes on the fly.



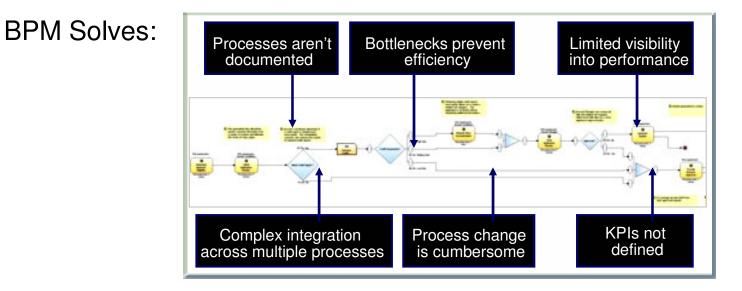
BPM Projects are *Disguised* in Various Ways



Human Capital Management (Employee Self-Service)



Business Process Management is a Discipline...



Integration	Modeling	Monitoring	Models	Process Knowledge	Metrics
Softwa	re that Enable	es BPM	Expert	ise that Delive	ers BPM
Forms	Rules Engine	Workflow	Policies	Business Logic	Methodology

BPM governs organizational and operational activities





BPM and SOA – Better Together

Research



ID Number: G00145586

Publication Date: 9 February 2007

SOA and BPM Are Better Together

"....SOA and BPM initiatives...are more successful and the benefits are compounded when they are united"

"Organizations that align their BPM and SOA initiatives in 2007 will double their likelihood of becoming an industry leader by 2011"

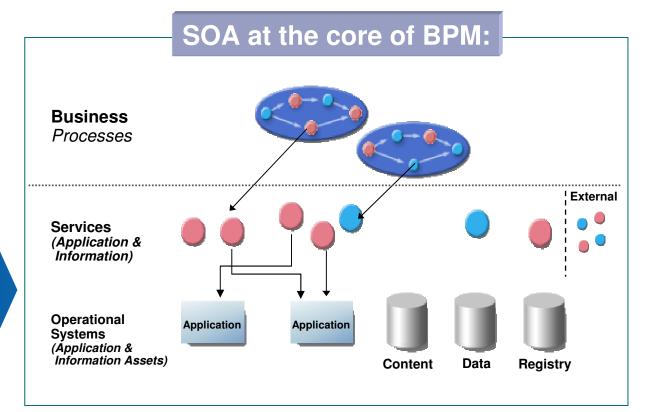
Source: BPM and SOA, Better Together, Paolo Malinverno, Janelle B. Hill, Gartner, Feb 2007.



....and here's why

SOA improves how you design, manage, and optimize your business processes by enabling:

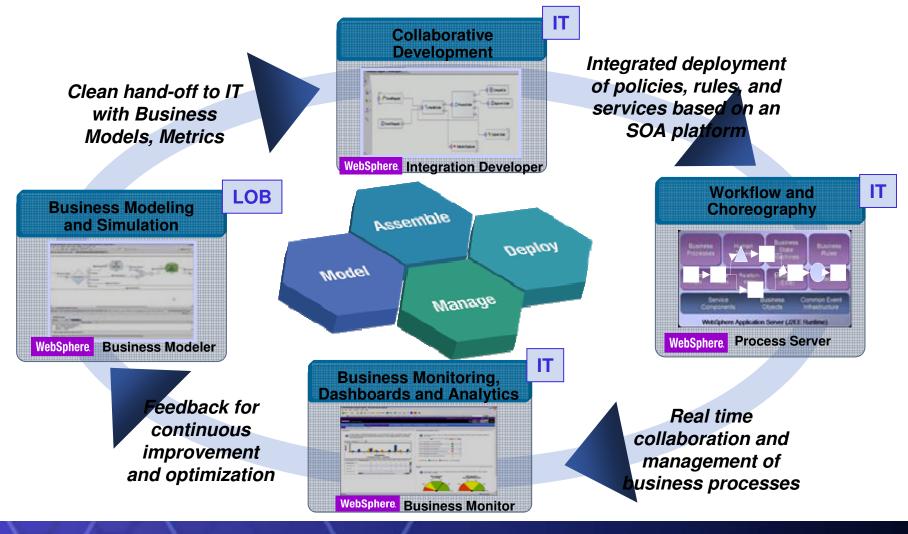
- Solution Building Efficiency
- Reuse of existing assets
- Flexibility in change





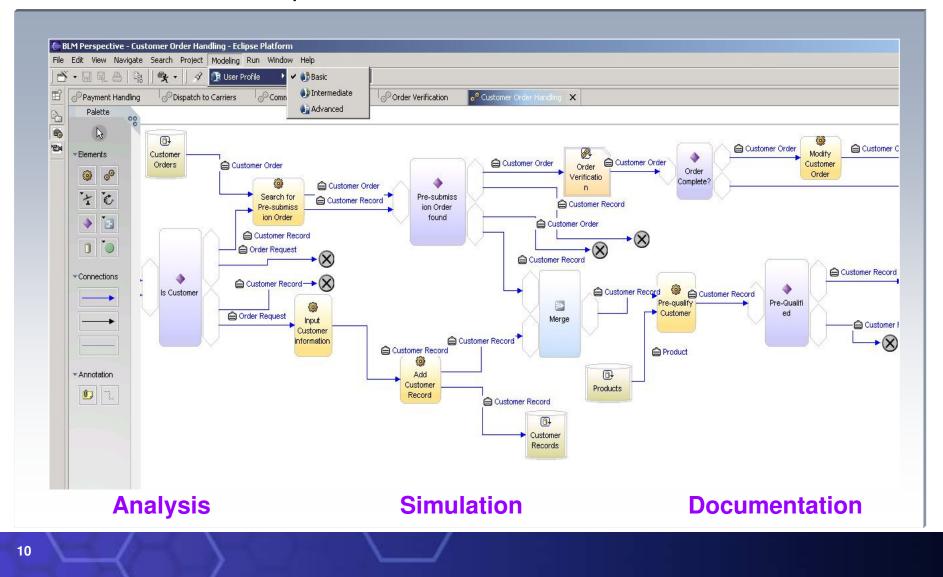
Flexible BPM enabled by SOA

Full support for the BPM life cycle





Process Design & Modeling: WebSphere Business Modeler A Tool for Business People.....





Hand-Off To IT – Precise Business Requirements

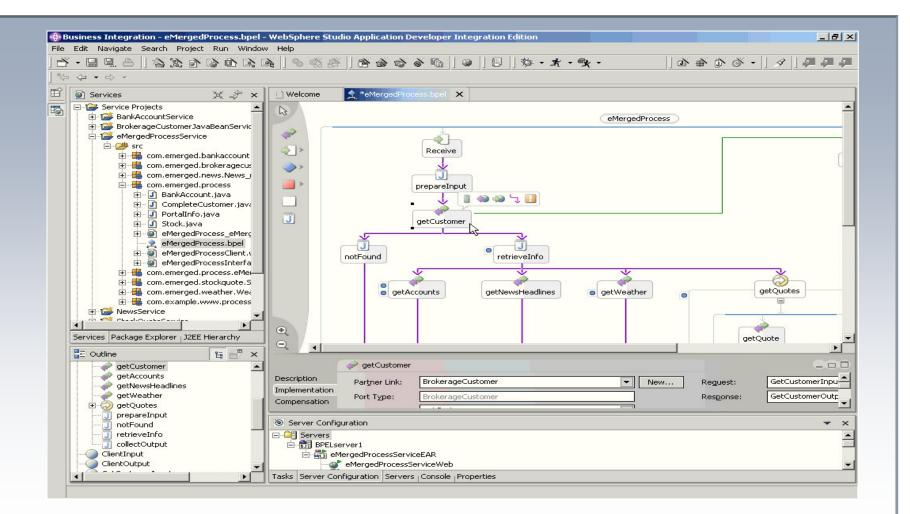
Direct export of models to IT

- BPEL for execution
- XSD for data definitions
- WSDL for services interfacing
- UML for Rational Software Architect
- Precise business requirements
 - For Assemble
 - For Deploy
 - For Manage

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Process Choreography: WebSphere Integration Developer



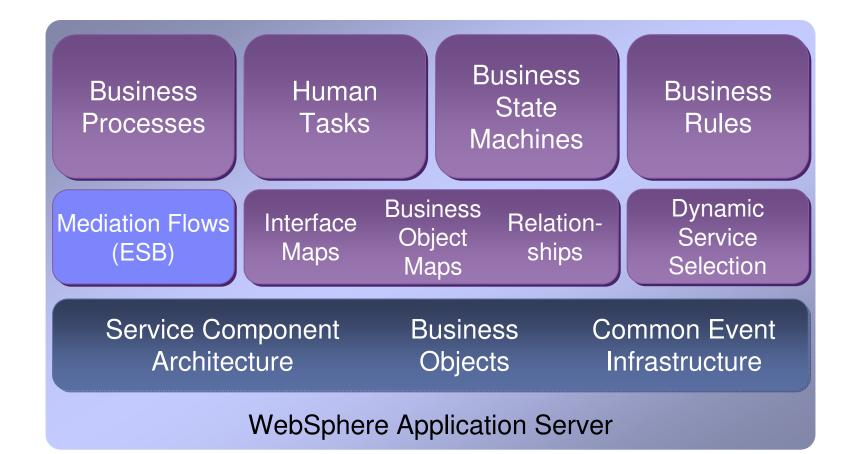
Technical Enrichment

Service Integration

Test

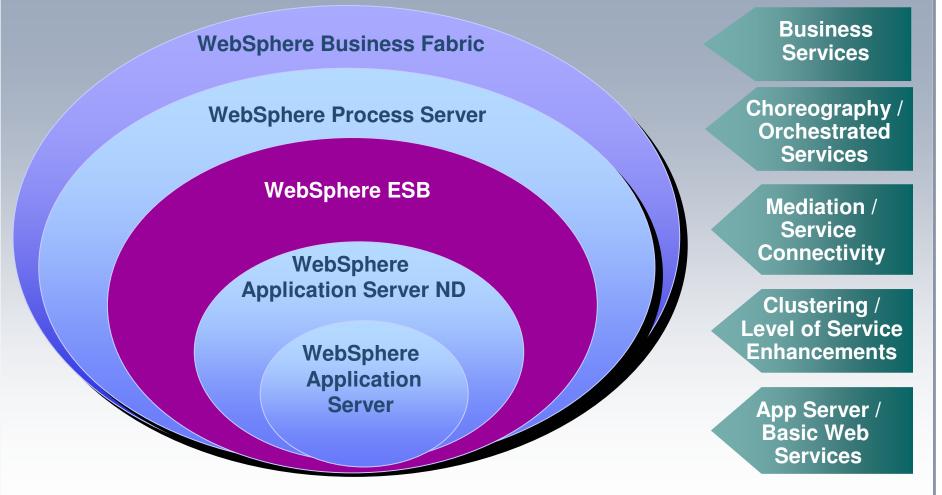


WebSphere Process Server - Components





The WebSphere Stack: From Application Server to a full Business Services Environment



One common code base!



Bus. Process Control & Monitoring: WebSphere Business Monitor

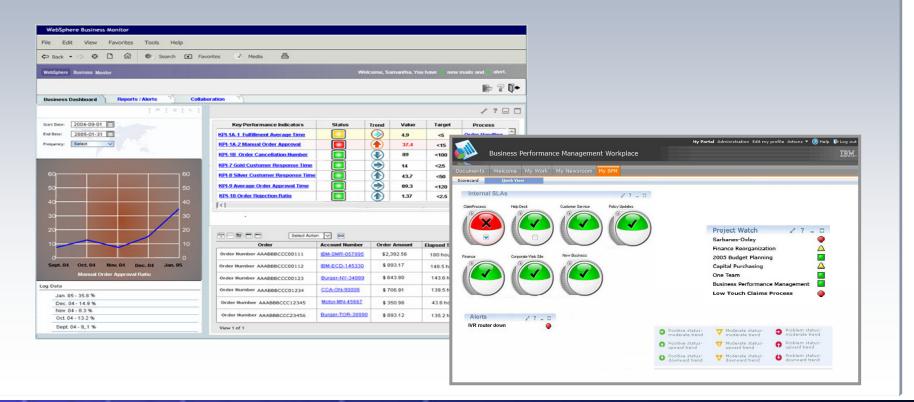
- Controlling of (automated) Business Processes
- Execute tactical decision, e.g. shift or suspend work items, reassign resources
- Alerts and Escalations





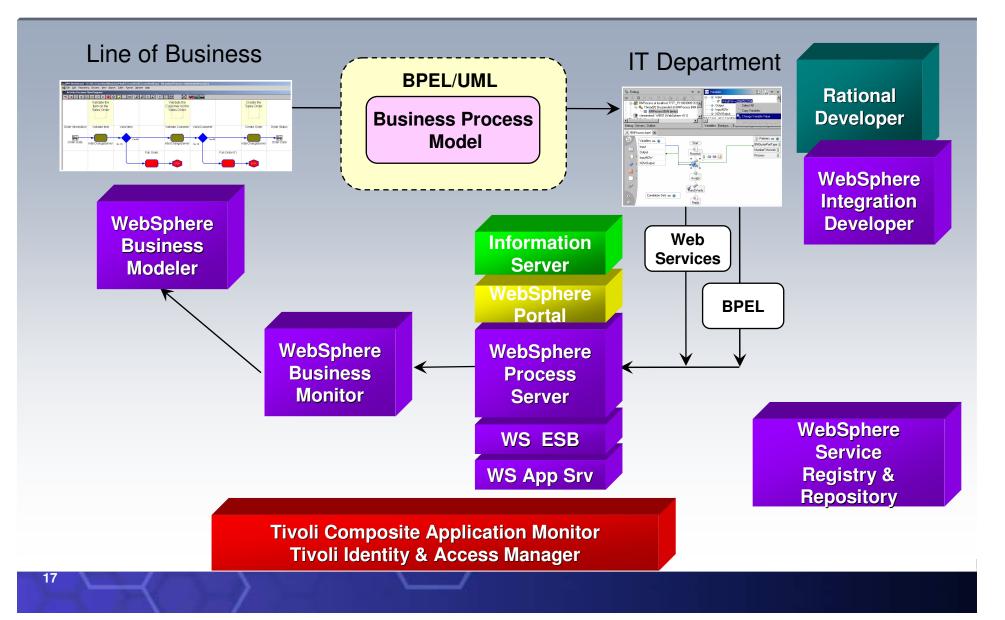
Business Dashboards: WebSphere Business Monitor

- Strategic ("1,000 foot view") or "Executive Dashboard" of your Processes
- Trends from a real-time and historical perspective
- Measurement Points & Units defined by WebSphere Business Modeler
- Feedback of actual Process Performance into Modeler





Closing the Loop..... and the Gap between IT & LOB

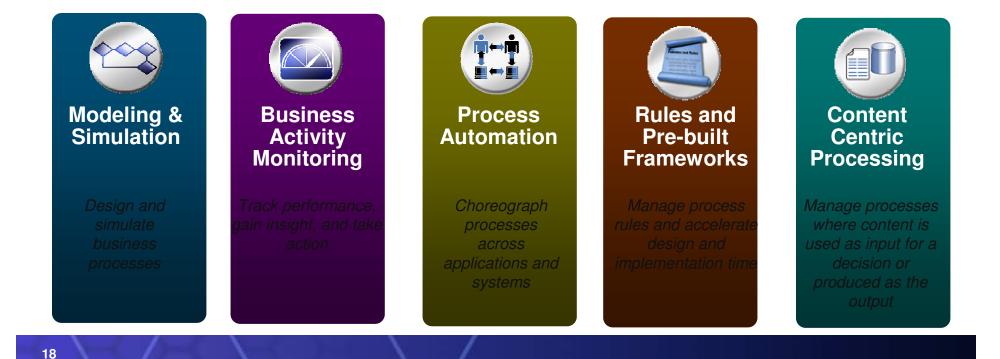






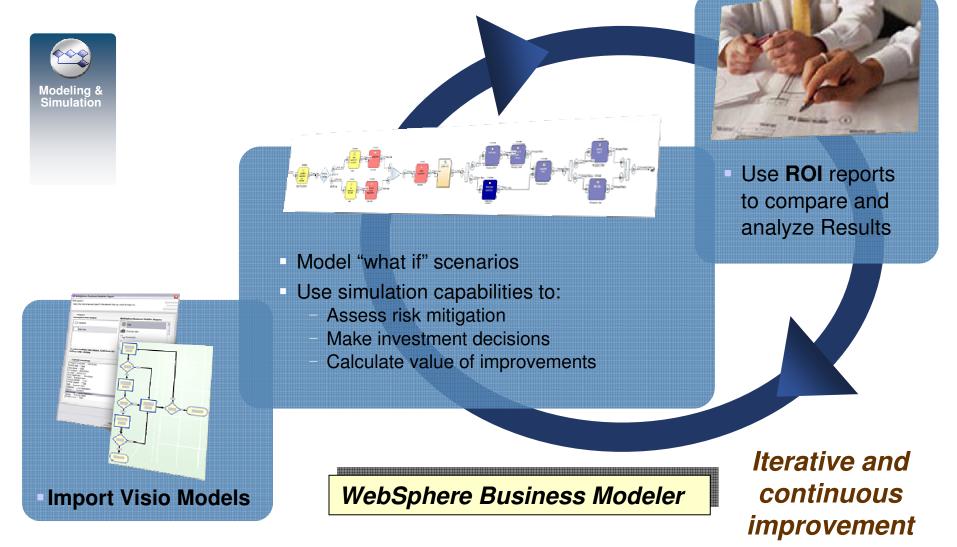
Five Flexible Starting Points for BPM Customers can start BPM in different ways







Business Level Modeling and Simulation





Unigroup Inc.



Business Challenge:

Leverage emerging wireless communications technology to maximize the effectiveness of their Transportation Processes, leading to continuous cost and time optimization of their shipping resources.

Solution: Use business process modeling to document and analyze their critical business processes, yielding more effective communications, cost savings, and improved tracking of both their equipment and customer assets.

Results: 70% reduction in communications cost for van operators. Realtime visibility into shipping resources and location information, and increased customer satisfaction given the ability of letting them know the exact status of their shipments in route.

Implementation Details: WebSphere Business Modeler

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People

Process

Information

IBM SOA

Business Activity Monitoring



Scorecards

Key Performance Indicators for business units

Collaboration

Work with teams to resolve situations

Business Alerts

Notification of situations that require response

Reports & Analyses

Understanding trends by combining real-time performance and historical information

External Information

Information affecting performance

WebSphere Business Monitor

后注题。

4月日日



Identify activities and areas for improvement



(Inventory Management)

- Driving force behind BPM Adoption
 - Synchronize SAP ERP system with various production plant software systems
 - Manual processes requiring data gathering, was time consuming and error prone



Modeled processes for visibility Aligned business and technology priorities Used adaptors to integrate custom apps with SAP Deployed improved processes on an SOA

Rapid Solution Deployment - 4 Months from Concept to Implementation Reduced potential human error with process-controlled automation



Process Choreography and Automation

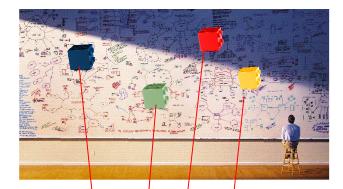


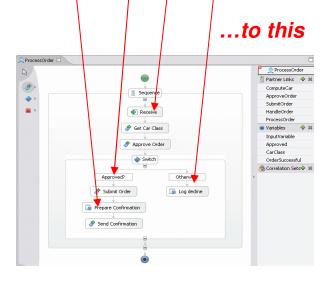
- Runtime for end-to-end SOA-based process automation
 - Flexible, reliable, scaleable, secure
- Integrated ESB for Range and Reach
 - Seamless access to all available services
- Robust Human and System-centric BPM Capabilities:
 - Human to Human; Human to System; System to System



BPM for the Mainframe

Transform your business from this...

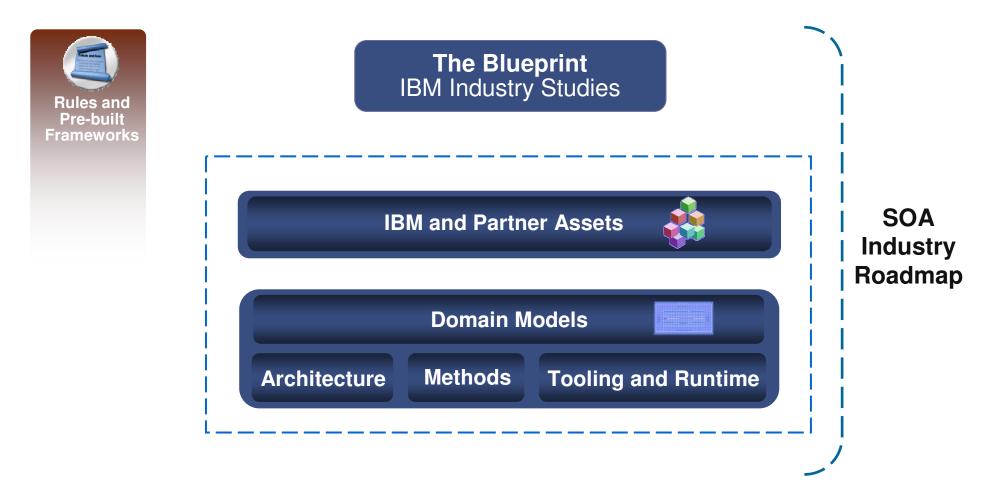






IBM Industry Frameworks accelerate your ability to leverage SOA

IBM SOA





Rules and Pre-built Frameworks

Industry Frameworks

- Service-Oriented Business Solutions Frameworks
- Based on Industry Standards
- Combination of IBM and Business Partner Assets





Industry Content Packs

- Business Service Templates to accelerate deployments
- Expanded industry coverage for Banking and Telecommunications

WebSphere Business Services Fabric

- National Language Support
- Alignment with IBM SOA Foundation
- Additional Standard Operation Environments







Business Challenges:

- Make it easy for Independent Agents to do business with FFIC in a highly competitive landscape
- Improve Agent experience with ease of use and effective business processes to enhance brand loyalty

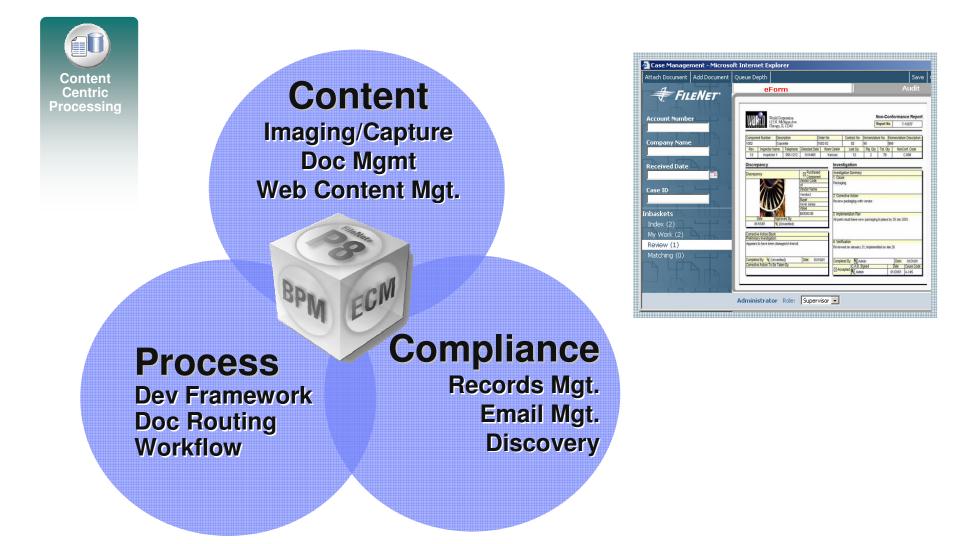
Solution: Service-oriented Business Solution enabled Straight-throughprocessing of personal property quotes and billing inquiries via web and Agency Management systems with self-service tools for Agents to deliver real-time quote functionality.

Results: Personal Property Quote (PPQ) achieved a multi-fold increase in quote volumes. PPQ rolled out to 32 states in 7 months with a 52% reuse of business services between inquiry and quote.

Implementation Details: WebSphere Business Services Fabric was implemented as the SOA solution platform during the initial Billing Inquiry project.



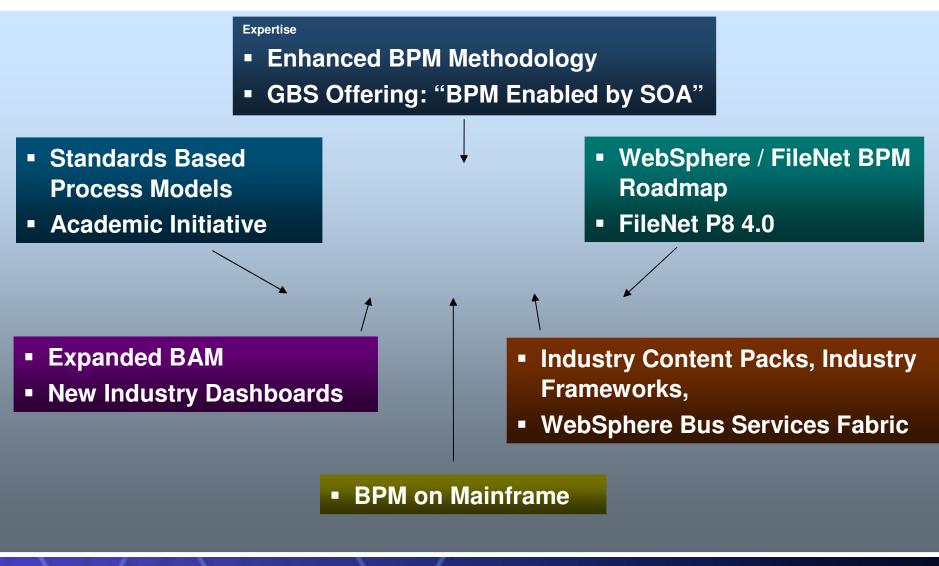
Content Centric Processing





Summary of BPM Announcements

IBM SOA





IBM has a complete BPMS

"IBM is the first and so far the only infrastructure software supplier to offer a **complete BPMS** supporting the end-to-end lifecycle from analytical modeling to performance management and optimization – **based entirely on service oriented architecture.**"

Bruce Silver, Bruce Silver Associates – The 2006 BPMS Report



IBM Leads in BPM Enabled by SOA

Business Expertise:

- BPM Enabled by SOA Readiness Assessment
- 1000+ consultants trained in BPM Methodology and BPM Enabled by SOA Engagement
- 20 BPM Training and Education classes available

Technical Leadership

- Breadth of Offerings from Tooling to Runtime; From Dashboards to BAM; Modeling, Simulation, Choreography, Frameworks, and ECM
- All supported by SOA

Market Recognition:

- Leader in Gartner BPA MQ
- Leader in Forrester Integration, Human, and Content centric BPM WAVES

Vibrant Ecosystem

- 300+ BPM Business Partners
- 4000+ pre-builts assets in the SOA Business Catalog





Summary: BPM enabled by SOA

Software, services, and expertise

Business- focused	Supports industry and semantic standards to increase the business value of SOA
Fast and flexible	Provides the ability to more quickly create and change SOA applications using pre-built, customizable assets
Promotes reuse	Makes it easier to reuse existing assets in SOA composite business services
Innovative	Enables creation of new and innovative applications and business

Innovative models from existing IT investments

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NYS Dept of Taxation and Finance



Business Challenge: NY State Dept of Taxation and Finance (NYS DTF) processes 11 million personal and 2 million corporate returns annually using aging technology that can't keep up with the demands of citizens and users. NYS DTF needs systems and tools that are flexible, permit faster change and reduce overall costs.

Solution: Leveraging SOA and BPM, NYS DTF is rapidly transforming their systems, data, people, and business processes to be more functional, flexible and responsive to citizens, users and legislation. Traditional mainframe batch processing is shifting to transactional. Manual processes are transforming to automated business processes. Real-time business activity monitoring is replacing daily printed run reports.

Results: Rapid modernization of legacy batch systems to transactional. More channels to enhance voluntary compliance. Web services and XML linkage to IRS for corporate taxes. High component reuse, lowered costs. Reduced errors and business exceptions. Higher value business metrics.

Implementation Details: WebSphere Business Modeler, Business Monitor, Process Server, Integration Developer, Application Server, Flat File Adapter, Commerce, DB2 V9 pureXML, DataStage, Workplace Forms, CICS Transaction Gateway, Rational Suite, Tivoli Composite Application Monitor.