

IBM Software Group

Business Performance Management Partner Community Call: Domains Review

Marie Wieck General Manager, Business Integration & Industry Solutions May 7, 2004



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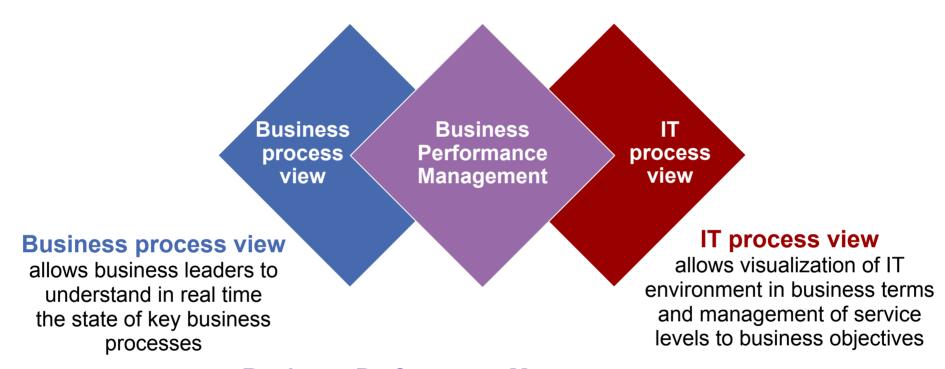


Agenda

- Welcome
- New since March
- Domain Discussions
 - Process Eric Wayne
 - Business Rules Mark Linehan
 - ▶ Common Event Infrastructure Denilson Nastacio
 - Business Systems Management Mark Masercola
 - Information Louis Thomason
 - Workplace Kumar Bhaskaran
- Q & A
- Supporting the Partner Ecosystem Kevin McAuliffe



An Emerging Market Need — Business Performance Management



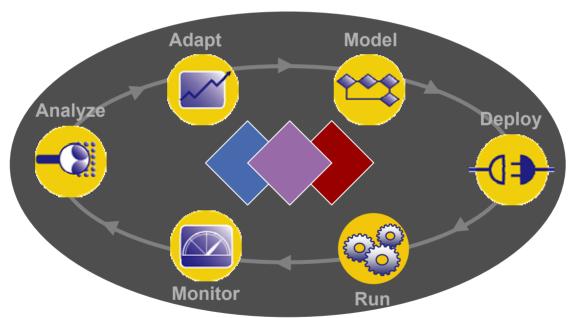
Business Performance Management

allows an organization to understand the status of business processes across business and IT, put that understanding in context against goals and trends, and take action quickly to improve execution



Business Performance Management: Our Process

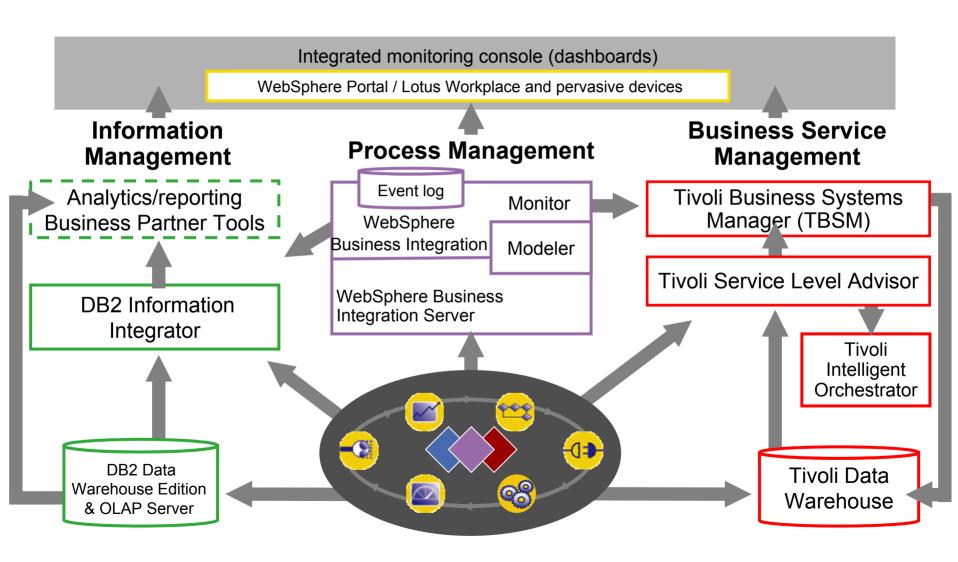
- Anticipate/respond to customer needs, competitive threats, and regulatory pressures
- Enable companies to see business information and understand and adapt business processes and IT infrastructure



A set of capabilities to analyze and model processes; monitor business performance in real time; track current performance against goals/historical trends; align information and IT management with business priorities.



IBM supports the path today: core components





New since March....

Business Performance Management Ecosystem

- ▶ 34 original partners + 33 new partners = 67 total community members
- New educational materials posted to ibm.com/software/bpm, partner resources
 - 1 Whitepaper, 5 domain presentations, updated Insurance Demo, & CEI SDK
- Engaging with Systems Integrators

Analyst insights: Gartner, Forrester & Meta

- Confirmed that Business Performance Management is an important initiative
- Agreed with the market definition and scope of BPM
 - The BPM market can appear complex
 - Need to focus on customer pain points
 - Must clearly articulate incremental steps
- ▶ Together, IBM and our partners, are driving interest in this emerging market

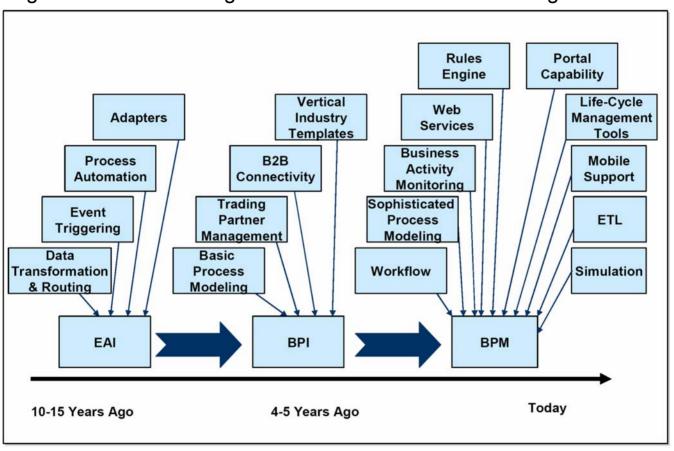
Taking Business Performance Management to our Customers

- Strong interest in Business Performance Management from IBM customers
 - For 100% growth in business process modeling in Q1
- Help customers understand where they should start?



Evolution of Integration Suites

Giga illustration showing their view of the evolution of integration suites



Source: Giga Research, a wholly owned subsidiary of Forrester Research, Inc., February 2, 2004

Key:

- EAI enterprise application integration
- BPI business process integration
- BPM business process management
- ETL extract, transform and load



Domain Discussions

Download at ibm.com/software/bpm click on "Partner Resources"

The Business Rules Domain

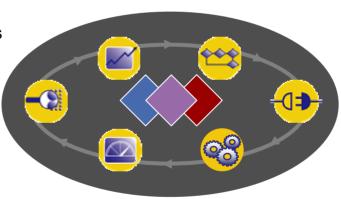
Outlines the technical interfaces partners can exploit to integrate business rules for dynamic process control and adaptive performance management.

The Workplace Domain

Delivers collaborative workplaces for human users with specific roles to manage business & IT operations based on visualized real-time performance metrics and alerts.

The Information Domain

Specifies the technical interfaces that partners can exploit to analyze and report real-time business event and performance information.



The Business Systems Domain

Delivers tools to align IT with business operations to assess impact and optimize value

The Common Event Infrastructure

Specifies a commonly applicable event infrastructure for business and IT event management.

The Process Domain

Delivers tools to model, integrate, and manage business operations.

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IBM Business Performance Management: Business Process Domain

Eric Wayne



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Agenda

What is the Process Domain for Business Performance Management?

How can Process Management tools support the creation of Content to drive business operations?

How can Business Processes provide <u>Context</u> for use across the Business Performance Management Domains?



Business Performance Management Domains

Adapt

The Information Domain

Specifies the technical interfaces that partners can exploit to analyze and report real-time business event and performance information.

Model

The Common Event Infrastructure

Specifies a commonly applicable event infrastructure for business and IT event management.

Deploy

The Business Rules Domain

Outlines the technical interfaces partners can exploit to integrate business rules for dynamic process control and adaptive performance management.

Analyze

The Workplace Domain

Delivers collaborative workplaces for human users with specific roles to manage business & IT operations based on visualized real-time performance metrics and alerts. Monitor Run

The Business Systems Domain

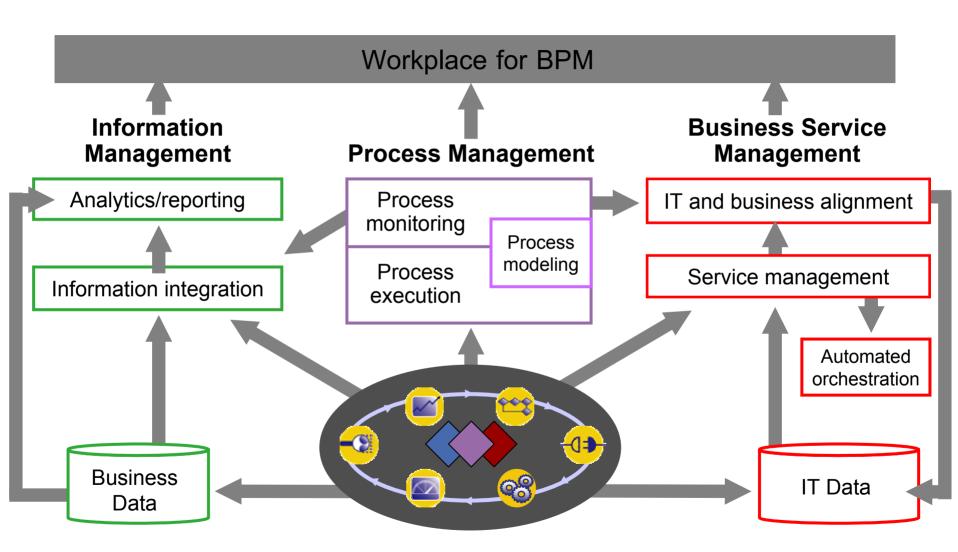
Delivers tools to align IT with business operations to assess impact and optimize value.

The Process Domain

Delivers tools to model, integrate, and manage business operations.



Business Performance Management: Core Capabilities





The Process Domain

Delivers tools to model, integrate, and manage business operations

Enables partners to use integrated modeling tools to:

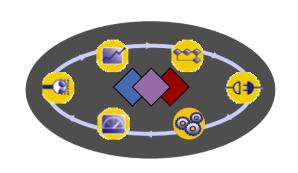
- Design business process quickly and graphically
- Simulate processes to project business benefits
- Integrate people, processes, and information efficiently
- Revise processes to optimize for business advantage

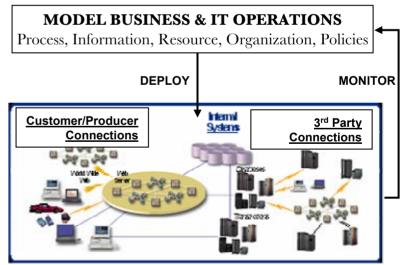
Available Today

- WebSphere Business Integration Modeler
- WebSphere Business Integration Monitor
- Redbooks and technical documentation

Commitment to Open Standards

- UML based metamodel
- Eclipse tools base
- User interface with UML/BPMN-derived Notation
- Export to BPEL, WSDL, XSD
- Save in XMI format



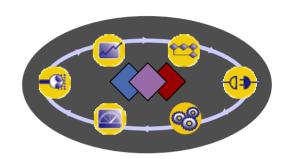


Automate Business & IT Operations



Process Domain Capabilities

- Imagine that you could
 - describe a process
 - graphically model it
 - simulate the operations
 - make iterative changes to optimize results...
- ...then rapidly deploy the process by
 - drawing relationships between data, people, systems and partners
 - identify and mark key business indicators
 - customize the solution for specific deployments
 - test your process and make sure that it runs as expected...
- ·...and, once in production,
 - watch your processes running in real time
 - quickly respond to alerts
 - make real-time decisions about process operations
 - collect, analyze and compare operational performance against the simulation...





Process Management Approach

Phase 1: Establish process modeling methodology

Phase 2: Create the As-Is business process

Phase 3: Create the To-Be business process

Phase 4: Define business measures

Phase 5: Communicate and verify business process model

Phase 6: Build the IT process model

Phase 7: Model the user interfaces

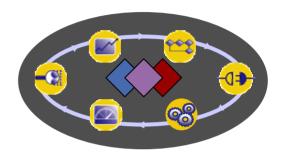
Phase 8: Build the object models

Phase 9: Model partner interfaces

Phase 10: Integrate and connect model

Phase 11: Monitor the process

Phase 12: Improve the business process

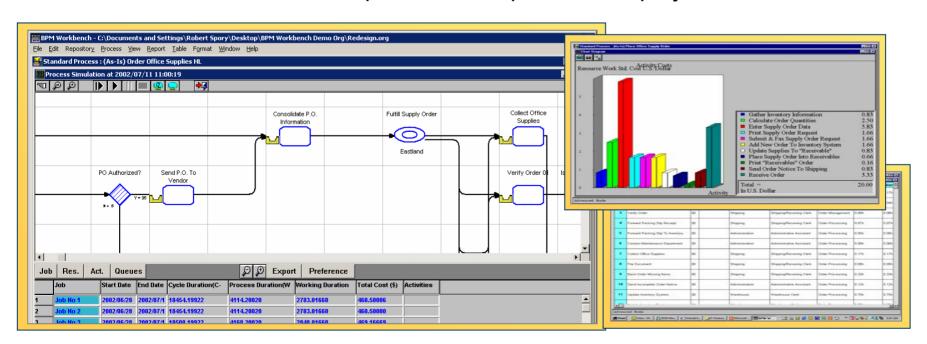




Model Business Functions and Processes

- Deliver flexible, agile business processes optimized to business aims
- Model

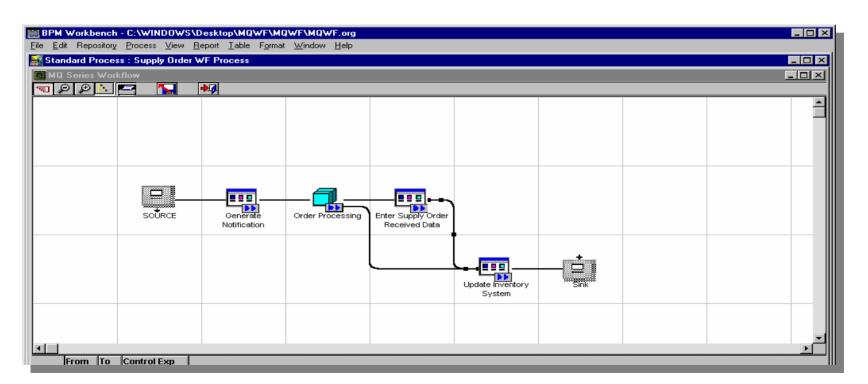
- Make best use of existing resources
- Graphically design processes and quickly redesign across people, partners and applications.
- View costs and projected backlogs in each option you consider
- Deliver "What-if" simulation of operations to optimize and project business benefits





Model Business Functions and Processes

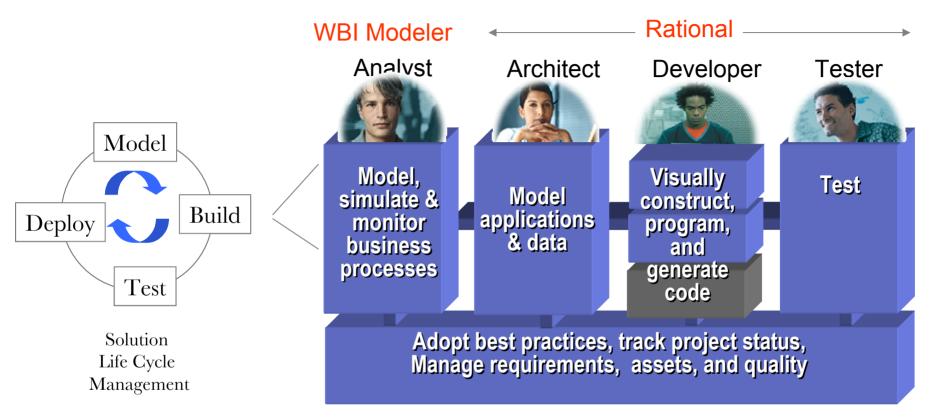
- Shared view of processes and costs across organizations.
- Generate your projected return on investment.
- Set key business measures which may be monitored in operation.
- Fast start toward deployment— output can be used by IT runtime tools







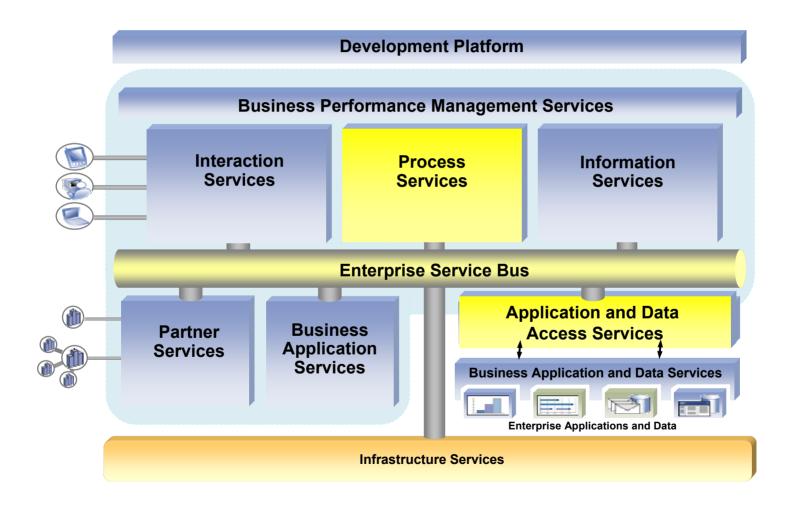
Model Driven Approach over Solution Lifecycle



- Integrated Tools Leverage Rational Investment
- Standards Based -- Plug-in internal and vendor tools
- **Platform Agnostic** Practical Reuse of Models
- Generate As Required Support Heterogeneous Environment

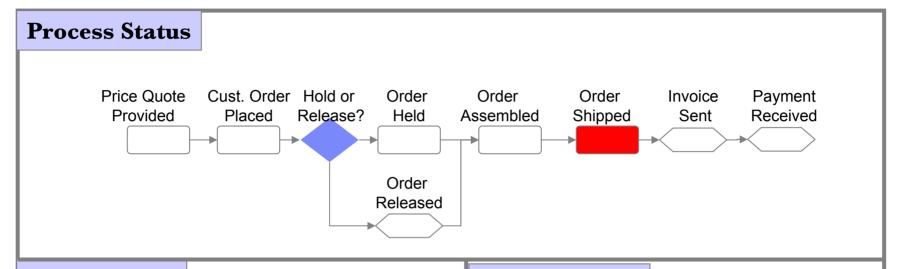


WebSphere Business Integration Reference Architecture





Monitor Process Dashboard



Process Stats

Outstanding Quotes without Orders

Customer	QuoteID	Quote T	ime_	
ABC	1234	02-12 16	5:41	
SAFECO	7363	02-12 17:11		
SCHMIDT	2627	02-13 18:14		
		this	avg.	best
g. time from quote to cash			2.9d	2.1d

Avg. time from quote to assembled 4.0d 2.8d 1.0d

Process Alerts

Alert Notifications (also through pager)

- Customer BRIGHTON order #
 82828 has been on hold for more than
 3 days
- 2. Order Assembly task has exceeded 2 days for order #82922



Monitor End-to-end Business Process Execution

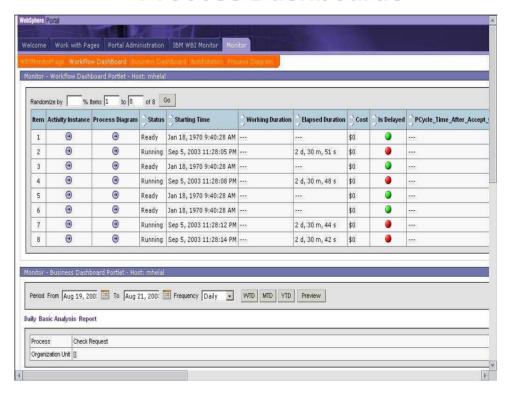
Monitor and manage business process status and execution

<u>Track</u> process in near realtime across value chain

Display information on custom dashboards

<u>Alert</u> the business to react to out-of-line conditions

Process Dashboards





Example: An Insurance Executive Requires A "Remodeled" Claims Approach



Claims Executive



Claims IT Team



- High % of premium income is spent in claims; continual focus on efficiency, with customer sat.
- Recent merger requires "merger" of business processes

 "leading practice" in the combined operation. Speed
 to implement important.
- Applications such as Fraud and Abuse Management must also be continually (and rapidly) updated
- End-to-end "best practice" process model critical.
 Including <u>standard costs</u> to assess returns on investments. Teamwork. Joint ownership.
- "Fast start" to deployment of process critical, within controlled environment.
- Significant portions of the overall claim process within applications. Requires a comprehensive set of tools.



The Team "Remodels" The Claims Approach



Claims Executive



Business Analysts& Claims IT Team



- Claims executives and the business analysis team define the end-to-end processes, "As is" with the business operations modeler tool.
- "What if" analysis with core team of experienced practitioners – agree changes. Create "new", "to be" process.
- All claims functions agree with "leading practice"
- Executive board agrees the Return on Investment and project.
- Standard costs and departmental roles agreed as part of modeling approach.
- Services delivered by applications are defined.
- "To be" models of processes exported to be refined in IT runtime tools.



Business Processes Provide Context for Use Across Domains

The Workplace Domain

People use the BPM Workplace to participate in processes, monitor process execution and manage operations.

The Information Domain

Key performance indicators are often associated with processes and then understood through analysis and reporting.

The Business Systems Domain

Business processes can serve as context to understand the relationships between business goals and IT resources and services.

Business Processes

Rules are often used to provide dynamic control, supporting process decisions and implementing activities.

Business Rules Domain

Business Processes serve as context for events raised at milestones in the flow of business operations.

Common Event Infrastructure
Domain



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IBM Business Performance Management: Business Rules Domain

Mark Linehan



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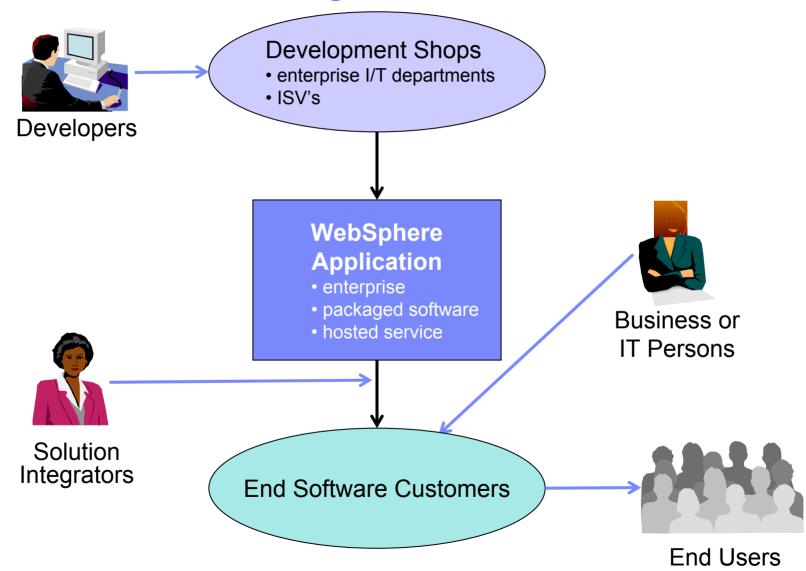


Agenda

Dynamic Behavior Changes
Service Oriented Architecture
IBM Rules Framework
Types of Business Rules
Using Rules with Business Processes
Selectors
OMG's Approach to Business Rules
Summary



Dynamic Behavior Changes



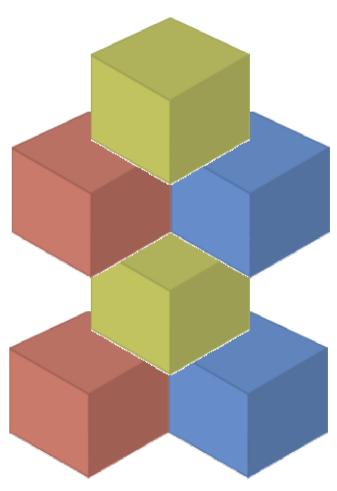


What is a Service Oriented Architecture?

An approach for building distributed systems that deliver application functionality as services to either end-user applications or other services

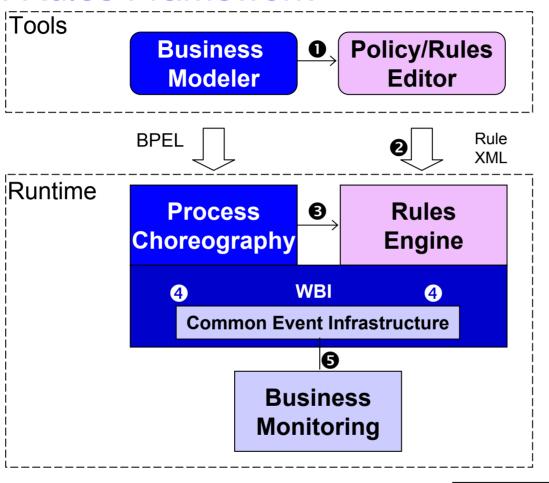
It defines:

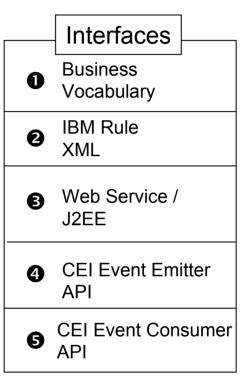
- An architecture that leverages open standards to represent software assets as services.
- Provides a standard way of representing and interacting with software assets
- Individual software assets become building blocks that can be reused in developing other applications
- Shifts focus to application assembly rather than implementation details
- Used externally to integrate with applications outside of the enterprise





IBM Rules Framework





IBM Components IBM or Partner Components

Related components Shown for completeness

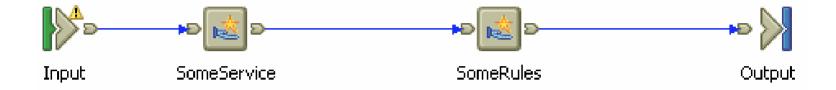


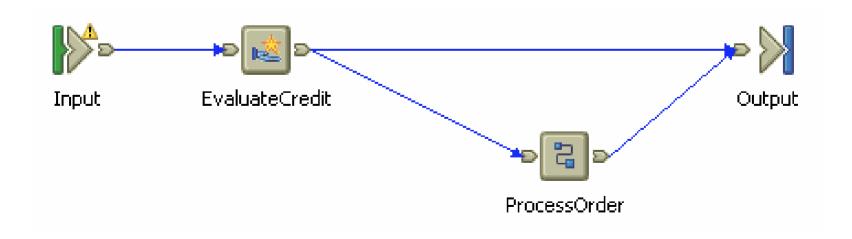
Types of Business Rules

Rule Type	Description	
Simple Business Rules	 Declarative rules defined by business users. Simple if-then statements, decision trees, decision tables Maintain no state across invocations. 	
Event Correlation Rules	 Recognize relationships across multiple CEI events. Detect IT or business situations from patterns in event sequences. Defined by IT or business analysts. 	
Inferencing Rules	 Forward chaining, backward chaining, Prolog-style unification, or other Al rules. Develop "facts" that can drive other rules. Defined by programmers. 	



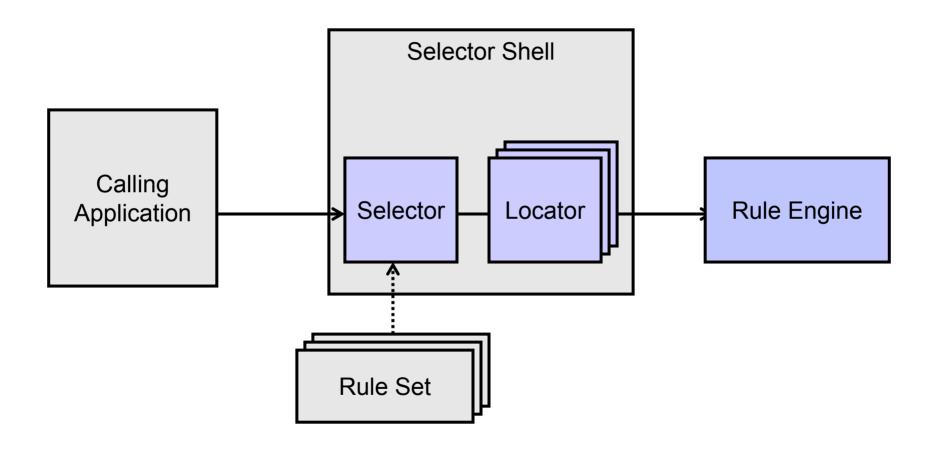
Using Rules with Business Processes





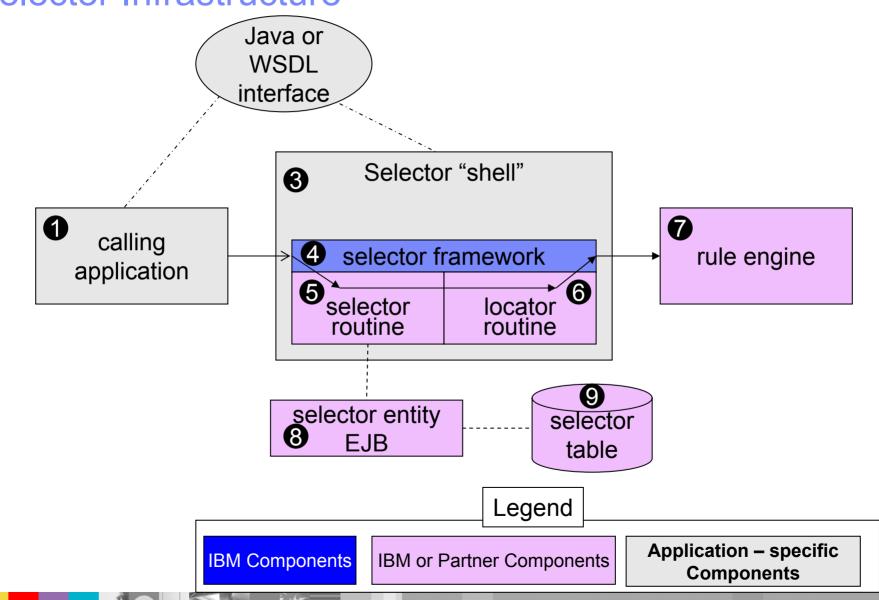


Selector Concept



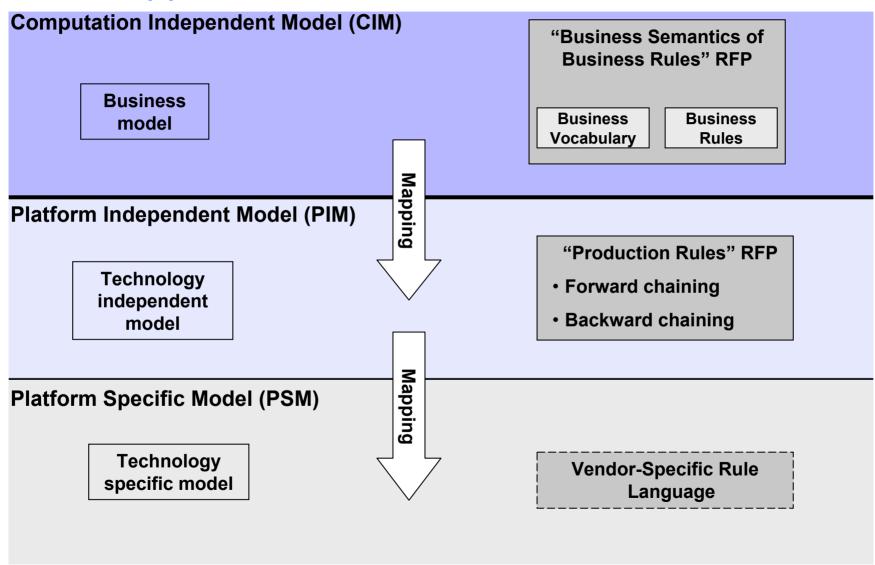


Selector Infrastructure



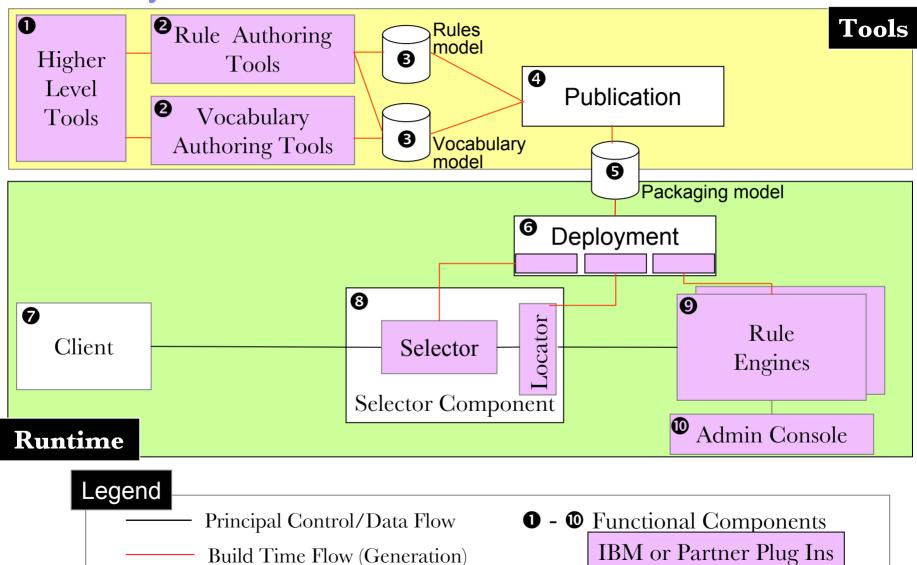


OMG's Approach to Business Rules





Summary





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IBM Business Performance Management: Common Event Infrastructure Domain

Denilson Nastacio



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Agenda

- Market Overview
- CEI & SWG Component Strategy
- Highlights
- Exploiters
- System Design & Programming Interfaces
- IT & Business Integration



Problem Statement

Business systems today have too many different formats for the information they collect about events.

Customers cannot effectively visualize or correlate events from disparate components in a cohesive way.

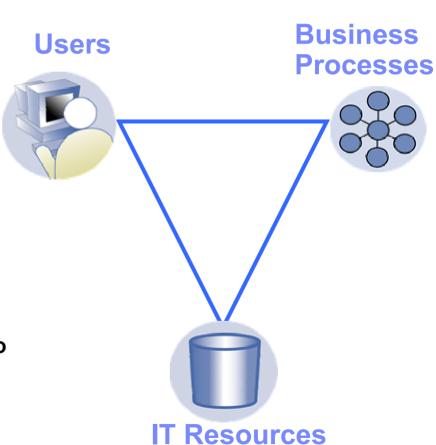
Solution:

Provide a unified event management format for the creation, transmission, and distribution of a wide range of business, system and network events.

Enable customers to consume and correlate IT and business events to achieve successful business services management.

Deliver improved scalability and availability to facilitate the automation of business processes.



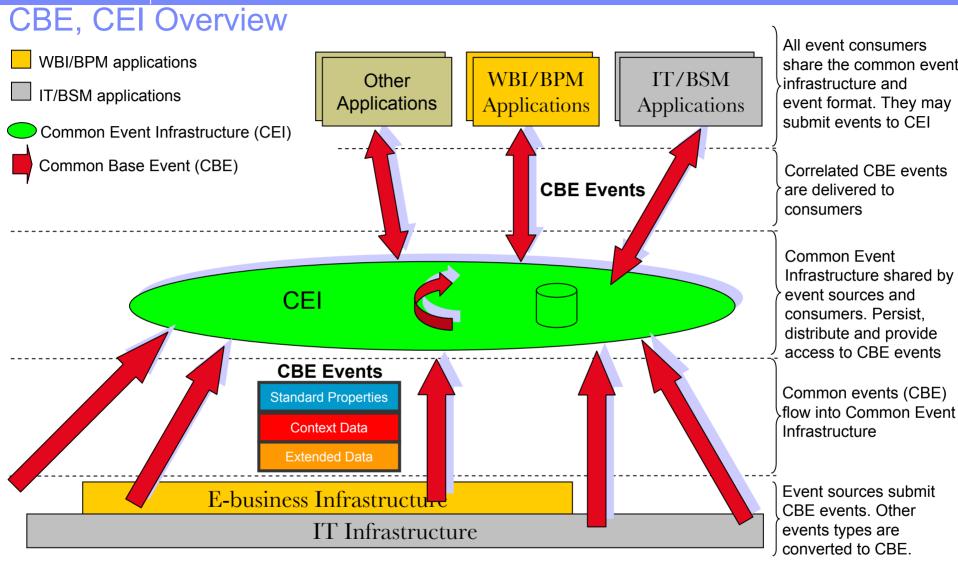




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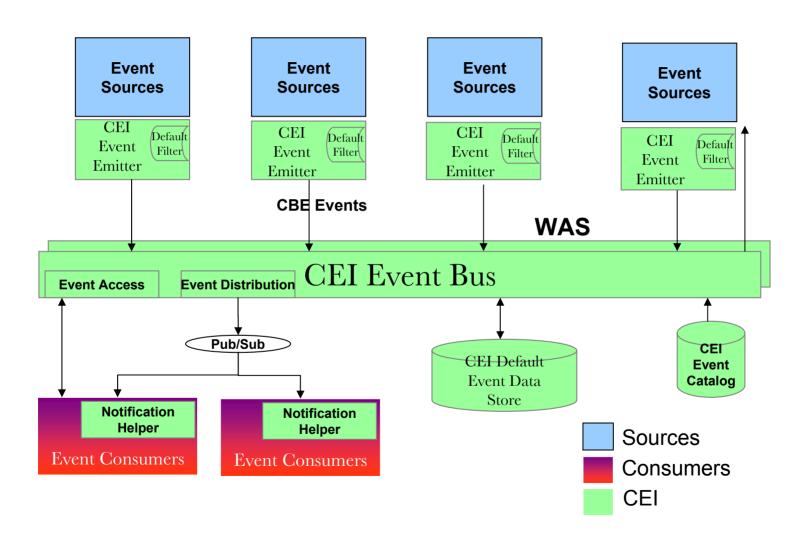


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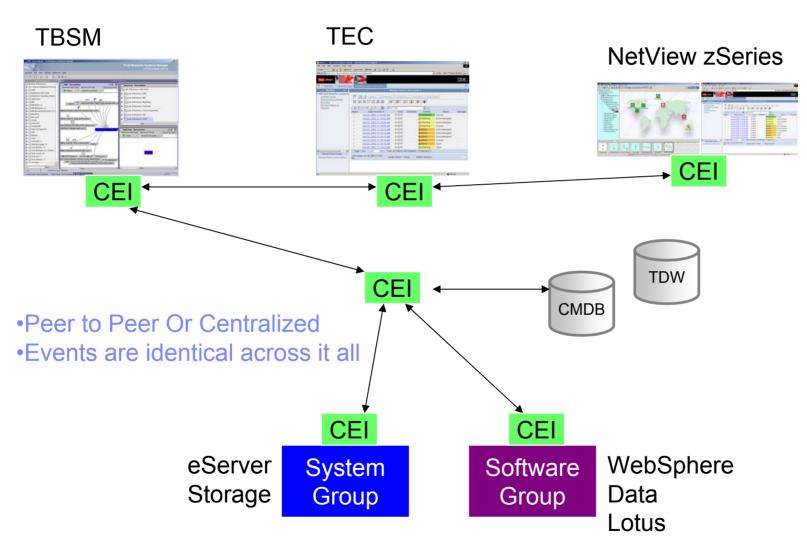


CEI Overview





Enhance Integration with CEI



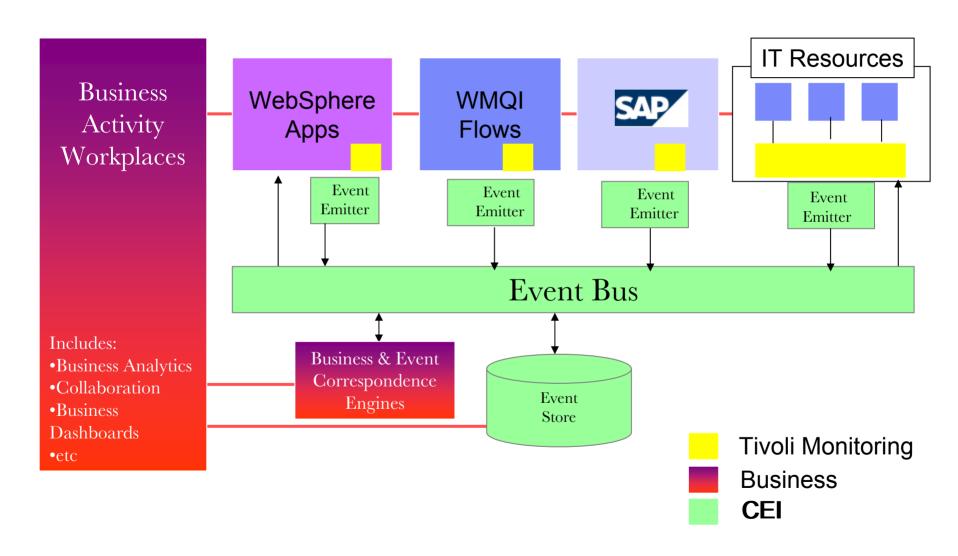


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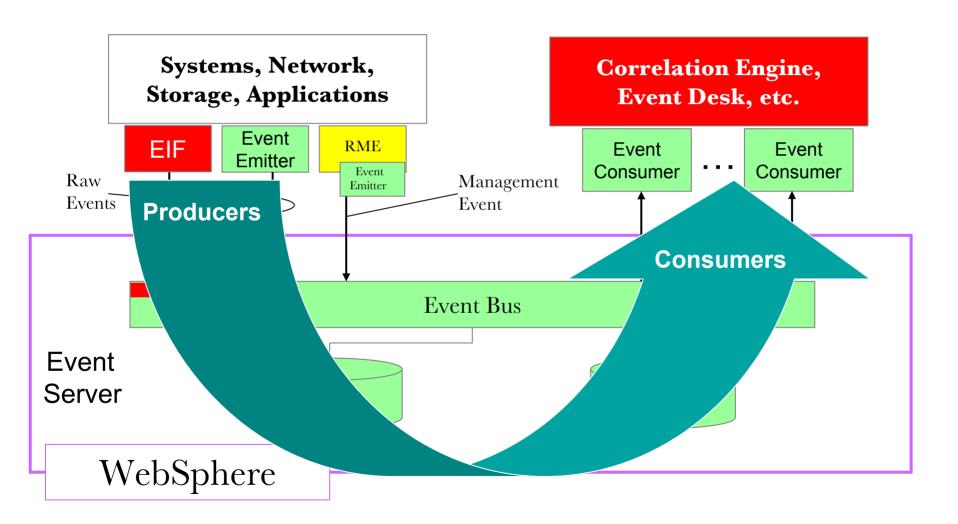


CEI in WBI/BPM Topology



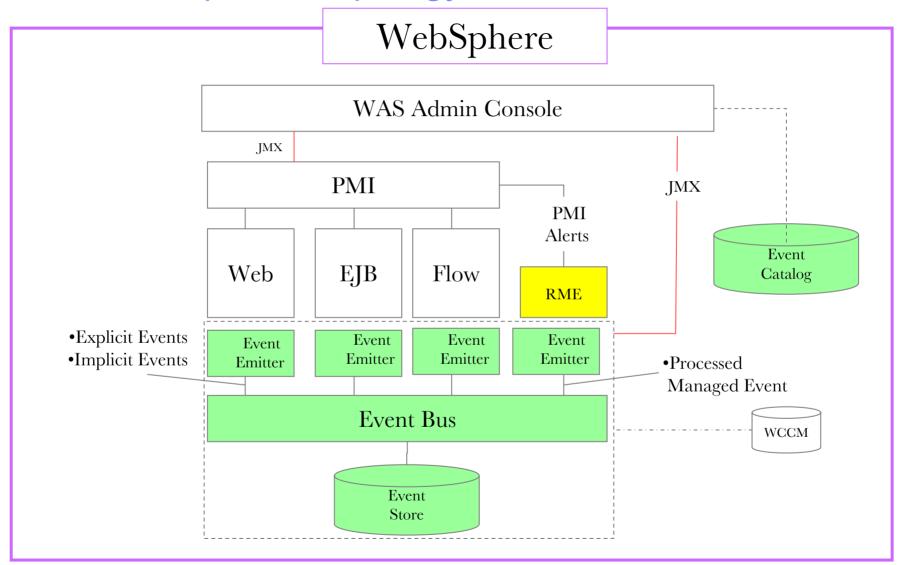


CEI in TEC Topology



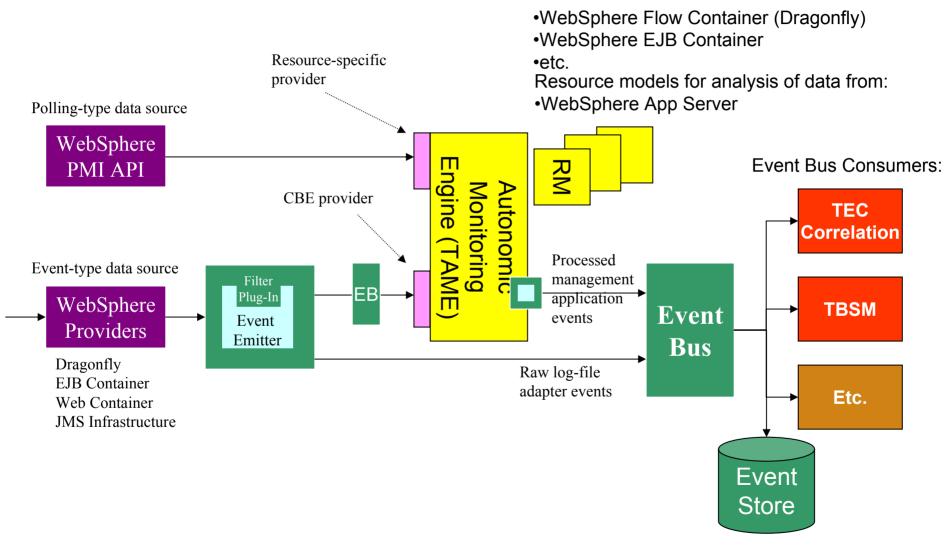


CEI in WebSphere Topology



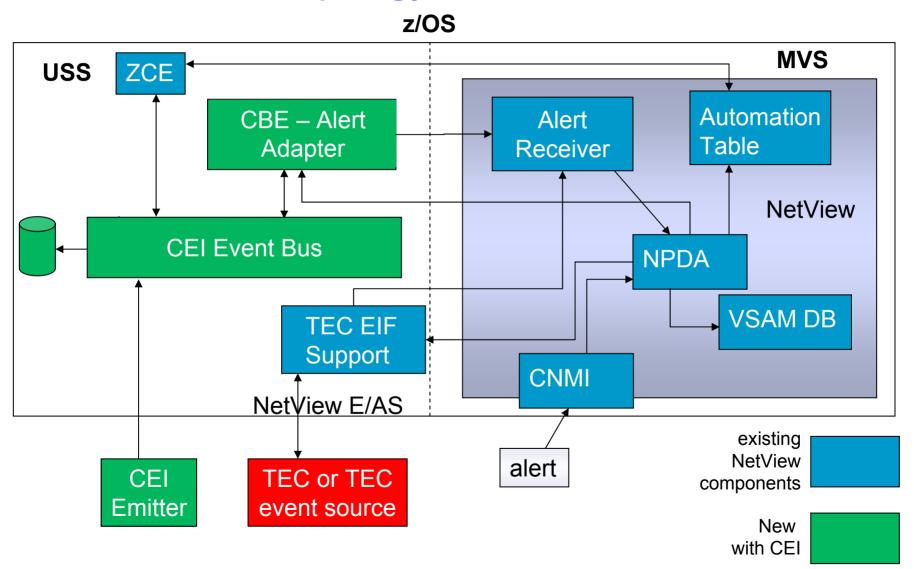


CEI in Monitoring Topology





CEI in NetView Topology

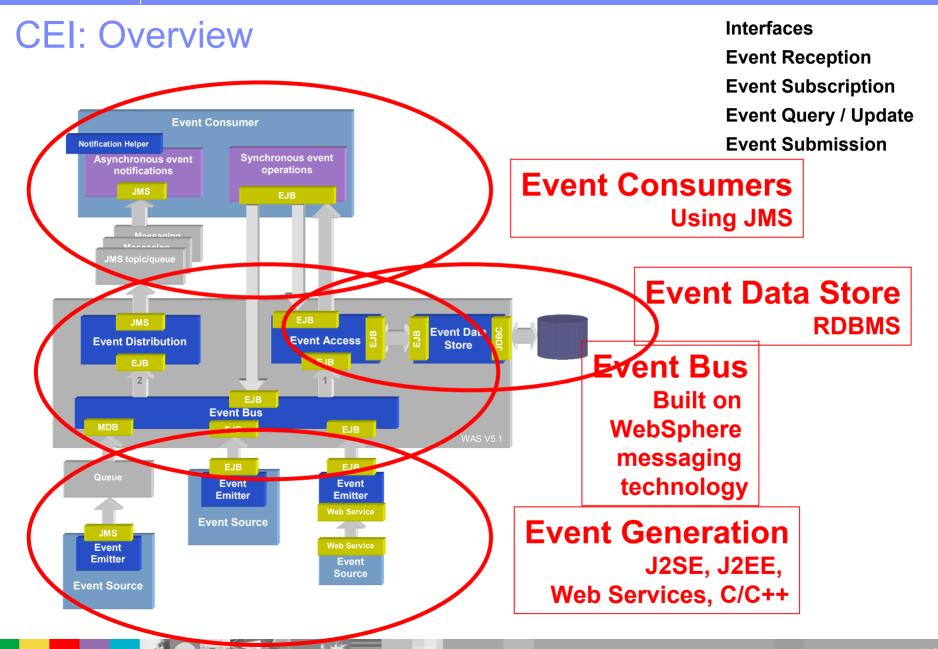




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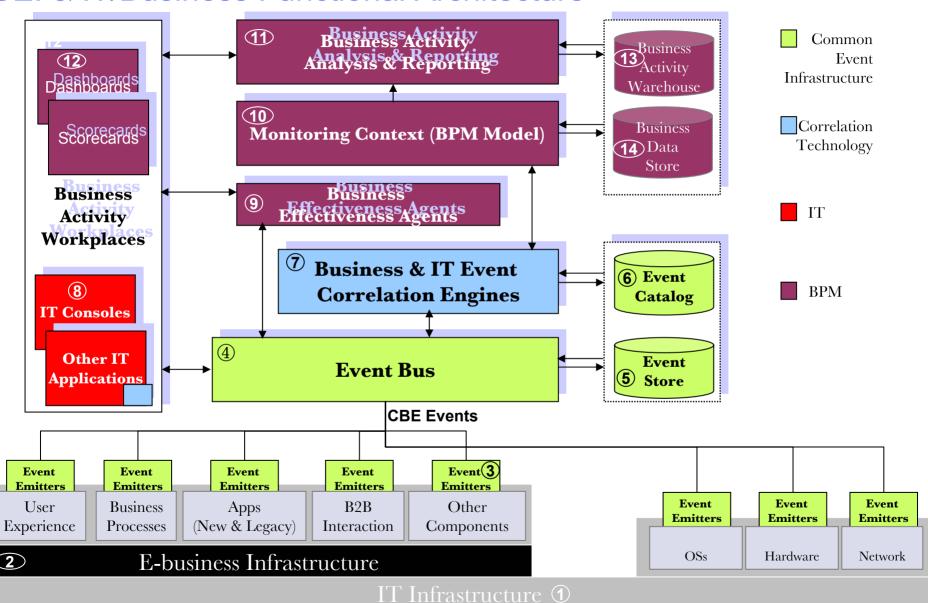


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CEI & IT/Business Functional Architecture



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IBM Business Performance Management: Business Systems Framework Domain Overview

Mark Masercola



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Creating an Open Framework for BPM

The Business Rules Framework

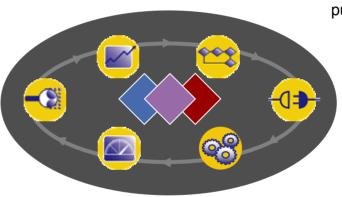
Outlines the technical interfaces partners can exploit to add value. Puts forth a vision and direction for business rules. Example: download white paper and trial IBM software. Now.

The Workplace Framework

Delivers collaborative workplaces for partners to leverage, to securely integrate people, processes, applications, and information via a single point of access.

The Information Framework

Specifies the technical interfaces that partners can exploit to analyze and process business information. Describes the direction for analytics. Example: download white paper. Now.



The Business Systems Framework

Delivers tools to align IT with business processes to optimize value. Examples: download whitepaper. End of March.

The Common Event Infrastructure

Delivers a set of tools to specify and publish any type of business and IT event.

Specifies the overall BPM event infrastructure. Example: download IBM software. End of March.

The Process Framework

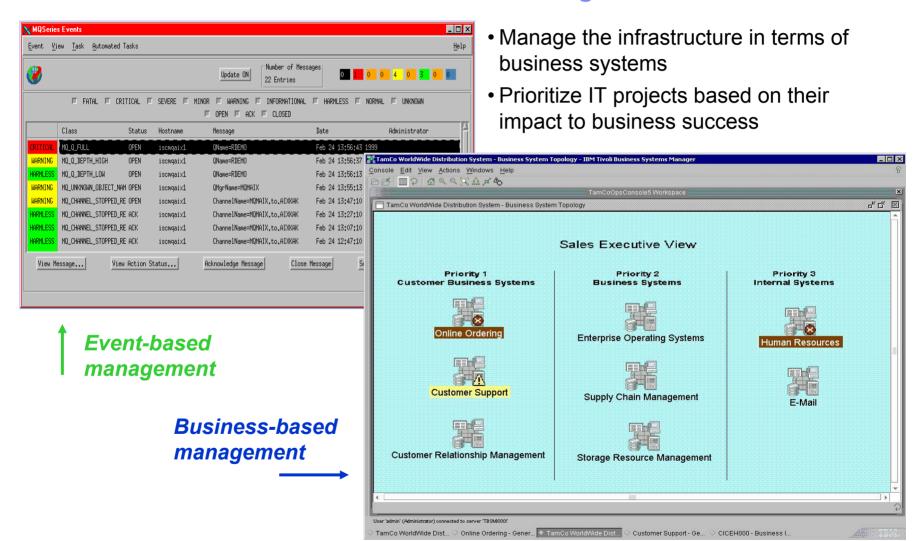
Delivers tools to model and manage business processes. Examples: download IBM software, WBI modeling tools. Now.





Objective of the Business Systems Framework

Translate IT infrastructure status into meaningful business alerts





IBM Business Performance Management: Business Systems Framework Domain Overview

Role of the Business Systems Framework Domain

Architecture of the Business Systems Framework Domain

Integrating into the Business Systems Framework Domain

Additional Resources and Information



Business Systems Framework Architecture Turning IT Information into Business System Information

Present Events in Business Context

(Tivoli Business Systems Manager)



Analyze Events

(Tivoli Business Systems Manager)



Collect and Correlate Events

(Tivoli Enterprise Console)

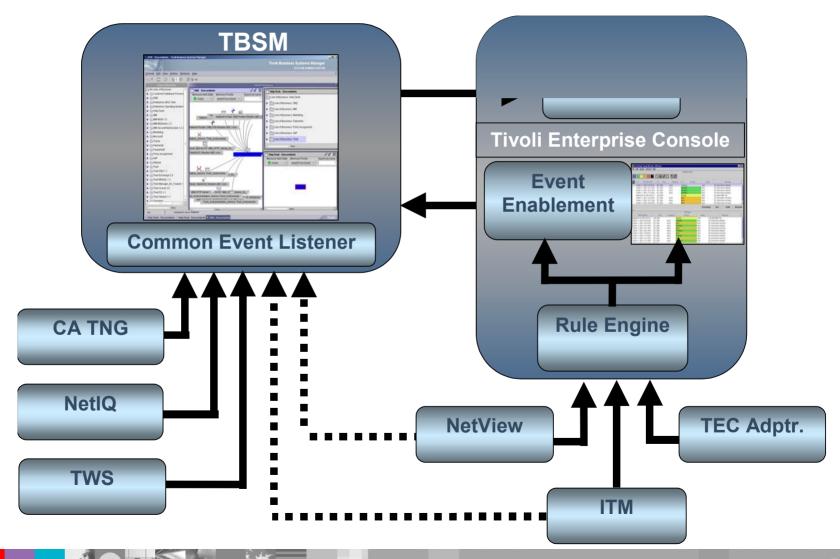


Send Events

(Applications, processes, and resources)



Sample architecture of Business Systems Framework Applications send info to TEC through adapters. TBSM presents status.





IBM Business Performance Management: Business Systems Framework Domain Overview

Role of the Business Systems Framework Domain

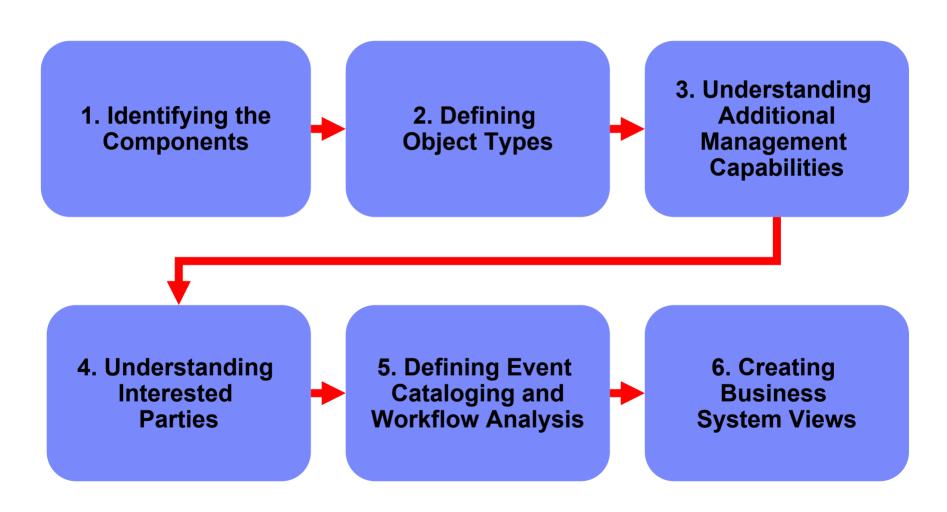
Architecture of the Business Systems Framework Domain

Integrating into the Business Systems Framework Domain

Additional Resources and Information



Integrating Applications into the Business Systems Framework A step by step process to integrating your application





1. Identifying the Components

Select the resources to be included in the Business Service Context

- Compile candidate systems, resources or components
 - ► Applications, processes, resources
- Determine available status information
 - Is the resources up or down?
 - ▶ How is the resource performing?
 - ▶ Are we on track to meet service level agreements?
- Assess ability to communicate status
 - ▶ Can I send an event when the resource goes down?
 - ▶ Can I send an event when the resource comes up?
- Change resource as needed to communicate
 - ▶ Do I have an API or exit to enable me to communicate status?



2. Defining Object Types

Incorporating resources as objects in TBSM object model

- Create an object type for new resource types
 - Software name, version number, and icon
- Extend TBSM object model with new Object Type
 - ▶ Leverage TBSM tool set to define and integrate Object Type



3. Understanding Additional Management Capabilities Define the scope of resource control within TBSM

- Create resource package for each new class
 - Includes definition of events and actions for resource
- Define events that can be forwarded
 - What information can be sent about the resource status?
- Define actions and commands for the resource
 - ▶ What actions should users be able to take on resource?
- Instrument resource as necessary
 - ▶ If no events are actions are pre-defined, resource instrumentation may be necessary to provide access to data



4. Understanding Interested Parties Ensuring that the needs of all users are met

- Compile list interested parties
 - ▶ Operators, Administrators, Business Unit Executives
- Determine information required by each party
 - ▶ Business system status, access to in-depth commands
- Assess ability to meet user requirements
 - Can operators take action to resolve problems?
 - ▶ Can Business Unit Executives understand status at a glance?
- Instrument resource as necessary
 - ▶ Address gaps in capability through instrumentation as needed



- 5. Defining Event Cataloguing and Workflow Analysis

 Communicating resource status and how it will be used
 - Define rules for resource identification
 - ▶ Can I identify resources of this type by name, IP subnet, other?
 - Create TEC adapter for resource
 - Convert resource events into TEC events
 - Create TEC rules for resource events
 - Which events should be forwarded to TBSM?
 - Ensure availability of "clearing events"
 - Prevent old events from collecting in TBSM
 - Outline Workflow based on User Role
 - What should be done when the event is received?



6. Creating Business System Views

Select the resources to be included in the Business Service Context

- Automate business system creation
 - ▶ Leverage object name, object type, or location where possible
- Drag and Drop resources into Business Systems
 - ▶ Pull individual resources from "All Resource" view of TBSM



IBM Business Performance Management: Business Systems Framework Domain Overview

Role of the Business Systems Framework Domain

Architecture of the Business Systems Framework Domain

Integrating into the Business Systems Framework Domain

Additional Resources and Information



Additional Resources and Information

IBM Tivoli Business Systems Manager – Administrator's Guide, Version 2.1.1 http://publib.boulder.ibm.com/tividd/td/BSM/GC 32-0799-01/en_US/HTML/bsmatfrm.htm

IBM Tivoli Enterprise Console – Rules Developer's Guide

http://publib.boulder.ibm.com/tividd/td/tec/SC3 2-1234-00/en US/HTML/ecodmsttfrm.htm

Tivoli Event Integration Facility – Reference, Version 3.9

http://publib.boulder.ibm.com/tividd/td/tec/SC3 2-1241-00/en US/HTML/ecoemsttfrm.htm

IBM Tivoli Enterprise Console – Rule Set Reference

http://publib.boulder.ibm.com/tividd/td/tec/SC3 2-1282-00/en US/HTML/ecosmsttfrm.htm

Ready for IBM Tivoli Software Checklist, IBM Tivoli Enterprise Console

Available through PartnerWorld for Software

IBM Business Performance Management: Information Domain

Louis Thomason

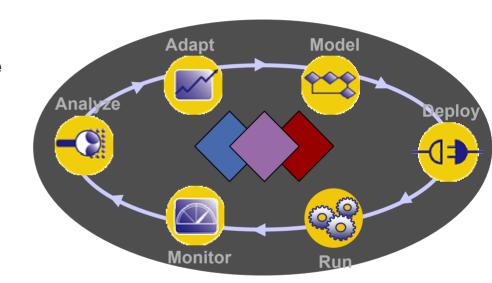


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Process Analysis and the Information Domain

- Companies seek to optimize business processes
- Business goals determine the relevant metrics
- Analysis of these metrics provides business insight
- Information Domain enables the analysis





Analyze The Process

- Enables information based insight to business process
- Integrates Information Across
 - real-time events,
 - historical data, and
 - business transaction data
 - External sources

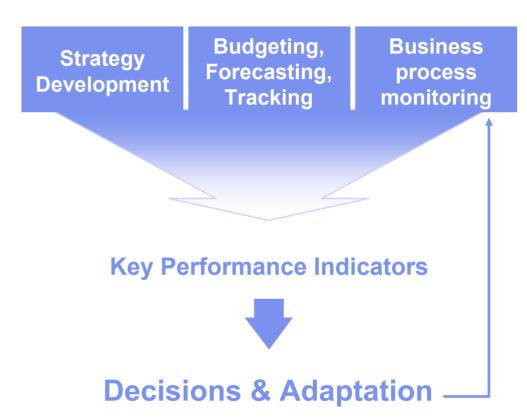
diagnose business process performance problems.

- Enables evaluation of alternatives:
 - Process improvement
 - Strategies linked to process
- Enables Real Time Alerts (New Events)
 - Automated actions
 - Human notification



Leverages Business Intelligence Capabilities

- Methodologies
 - Balanced Scorecard
 - Value-Based Management
 - Activity-Based Costing
- Focus Measures
 - Financials.
 - Customers,
 - Suppliers,
 - Markets.
 - Channels.
 - Products.
 - Profit.
 - etc....

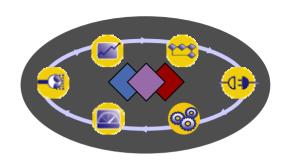




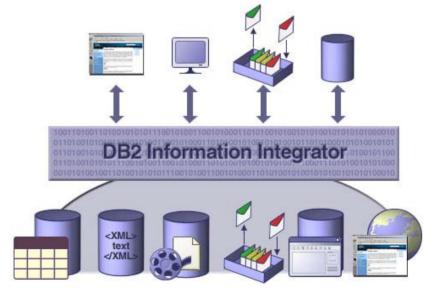
The Information Domain

Specifies the technical capabilities and interfaces partners can exploit

to enable analysis of the business process



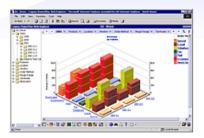
- Enables partners to provide user customizable real-time analytics and reporting on business performance
- Frame work of information integration and business intelligence capabilities to assess business performance and prioritize actions.
- Leveraging
 - Web Services Access to information supports quick assembly
 - Based on Open Standards
 - •SQL, XML, JDBC, ODBC
 - Metadata standards, etc.





Performance Management Dashboards

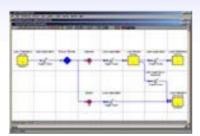
Business
Performance
Analysis
Tools



Analytic workers



Process Monitor



Process Managers

Information Portals



Managers & Employees

Business Service Management Tools



IT Operations

Moving Business Information data closest to the user



Visualization and Reporting

Leverages Integrated Information

- Process
- Event
- Historical Transaction

Supports a range of functions:

- Basic reporting
- Advanced visualization (3D, animation, etc.)
- Statistical analysis
- Advanced analysis multi-dimensional analysis (OLAP)
- Data mining

Leverages underlying information services capability

- Hierarchical metadata
- Integrated scoring
- Query optimization and management
- Aggregations
- Enabled in portal framework



Information Domain

Stored Information Managers

- Stores unique information supporting BPM
 - Process state data
 - Events
 - Historical process and transaction data
 - Warehouses
 - Data Marts
 - Operational Data Stores
 - Content Managers

Information Integration Services

- Focuses control of performance, availability, and integrity
- Insulates analysis from heterogeneity of information
 - Format
 - Location
- Allows changes to underlying sources without impact to analysis and reporting



Information Integration:

Complementary Capabilities

Consolidate historical and event data for local access

- Improve access performance or availability
- Currency requirements: point-in-time consistency (close of day, etc.)
- Complex transformation required to achieve consistent data
- ETL and Replication capabilities

Integrated access to historical and event sources

- Tradeoffs to achieve overall lower cost implementation
- Currency requirements: current data
- Restrictions on source data movement:
 - Data security
 - Licensing restrictions
 - etc.
- Federation



ETL Capability

Traditional

- Batch process executing within a defined time window
- Moving large volumes of data
- Extensive transformations
- Data quality services

Real-time transformation

Invocation in real-time on behalf of federated queries and transactional information flows

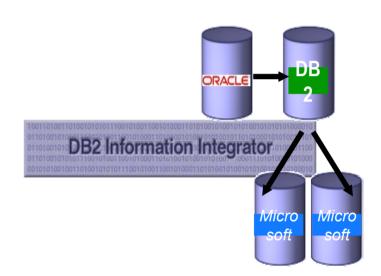
Key capabilities:

- Transformations: change, summarize, convert or combine information
- Metadata:
 - discover the structure and semantics of data sources
 - capture the meaning and description of information sources,
 - actively managing and highlighting the impact of changes, and
 - exchanging this metadata with other tools
 - tools relate information among sources and targets
- Standardize and match content of sources for highest quality results



Replication Capability

- Distribute data databases
 - Heterogeneous
- Flexible topologies
 - Distribution: One to many
 - Consolidation: Many to one
- Match movement modes to usage requirements
 - Table-at-a-time
 - Transaction-at a time
- Managed latency
 - Scheduled, interval-based, continuous
- In-line transformations
 - SQL or stored procedure based

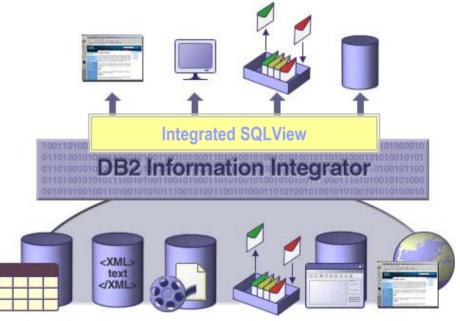




Federation Capability

Query integrated sources as if they were a single source

- Define integrated view across event and historical sources
 - Wide range of data and content sources
 - Extensible to virtually any data source
- Query as if a single source
 - Standard SQL query and expressions
 - Leverage query optimization and caching
- Relational updates



DB2, Oracle, SQL Server, Sybase, Teradata, OLE DB, ODBC, Excel, XML, message queues, Web services, flat files, document repositories, content repositories, LDAP directories, WWW, email databases, and more.



Consolidation and Federation

- Combinations allow best available solution
 - Provide Context
 - Compared to what?
 - What happened last year? Last week?
 - Forecast versus actual?
 - Is this abnormal? Common?
 - When should we escalate?
 - Analysis [filtering]
 - Summaries and aggregates
 - Mining for patterns, predictions

- Capabilities from one strengthen other
 - Data Profiling,
 - Transformation,
 - Data Quality,
 - Metadata Management
 - Query performance optimization

Continuous

Loading



Real Time Warehouse

Parallel ETL Engines

Message flows

Replication

Web services

Concurrent User Queries





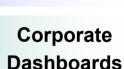
Warehouse

Information Integration



Personalization, data mining, rules, campaigns

> Alerts, triggers, KPIs, Analytics



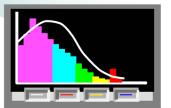
Consumers















Relational Storage

Real Time Business Performance Management Information

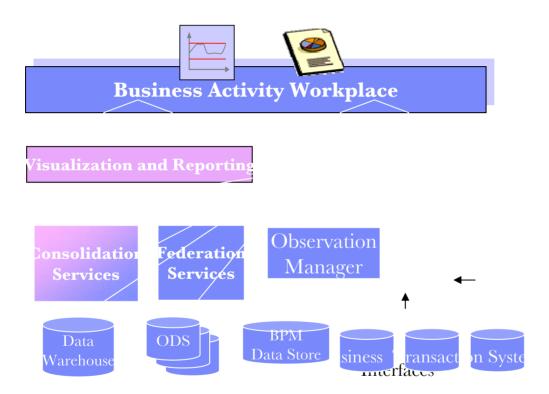


- Proven performance, range of benchmarks
 - TPC-C, TPC-H, SAP, PeopleSoft, JDEdwards, Siebel benchmarks
- Real Time updates/Online Utilities
 - Concurrent loading + queries
 - Queued data loads
- Policy-based query management
- Data Node groups for workload management
 - ODS and Real Time tasks on their own nodes





Information Domain: Interfaces





Information Domain: IBM Capabilities

Information Domain Capability	Products
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Visualization and Reporting Partner

Consolidation Services Partner

DB2 Information Integrator DB2 Warehouse Edition

Federation Services DB2 Information Integrator

Information Storage DB2 UDB





IBM Business Performance Management: Business Process Domain

Kumar Bhaskaran





- □Role of Workplace in BPM
- ■Workplace Architecture
- □User Experience & Dashboards



Business Process Management Domains

Adapt

The Information Domain

Specifies the technical interfaces that partners can exploit to analyze and report real-time business event and performance information.

Model

The Common Event Infrastructure

Specifies a commonly applicable event infrastructure for business and IT event management.

Deploy

The Business Rules Domain

Outlines the technical interfaces partners can exploit to integrate business rules for dynamic process control and adaptive performance management.

Analyze

The Workplace Domain

Delivers collaborative workplaces for human users with specific roles to manage business & IT operations based on visualized real-time performance metrics and alerts.



The Business Systems Domain

Delivers tools to align IT with business operations to assess impact and optimize value.

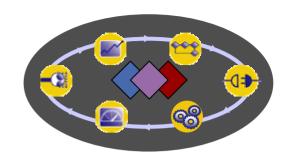
The Process Domain

Delivers tools to model, integrate, and manage business operations.



The Workplace Domain

Delivers collaborative workplaces for human users with specific roles to manage business & IT operations based on visualized real-time performance metrics and alerts



Enable partners to provide user-customizable actionable insights and virtual team collaboration to take real time actions using role-based, context-sensitive Workplaces.

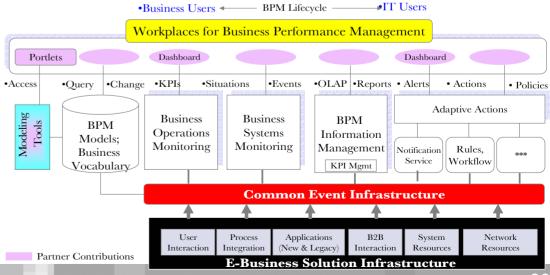
Available Today

Lotus Workplace supports human interaction and collaboration capabilities that can be extended using WebSphere Portal to access enterprise process, applications and systems.
 Business Users
 BPM Lifecycle

- Whitepaper

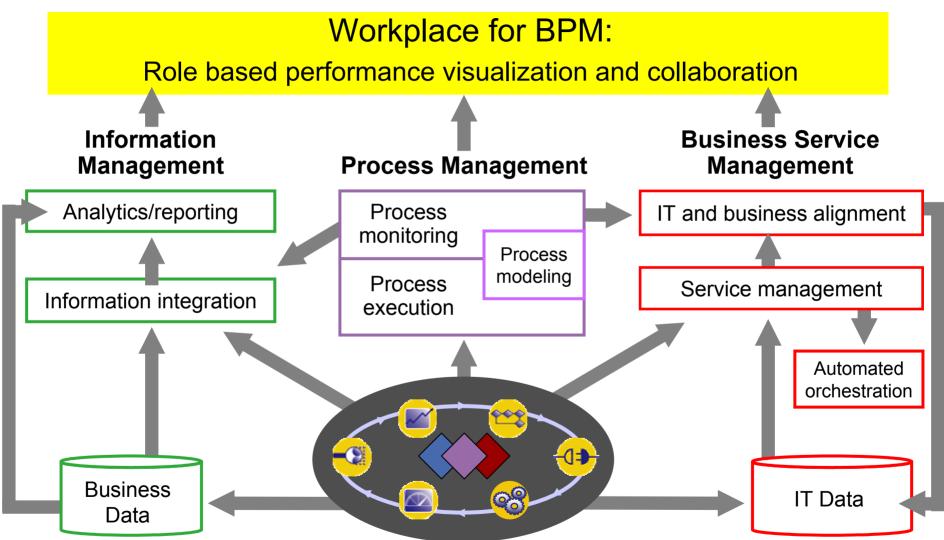
Commitment to Open Standards

 Workplace Domain is based on J2EE, Web Services and Content Management Standards





Business Performance Management: Core Capabilities



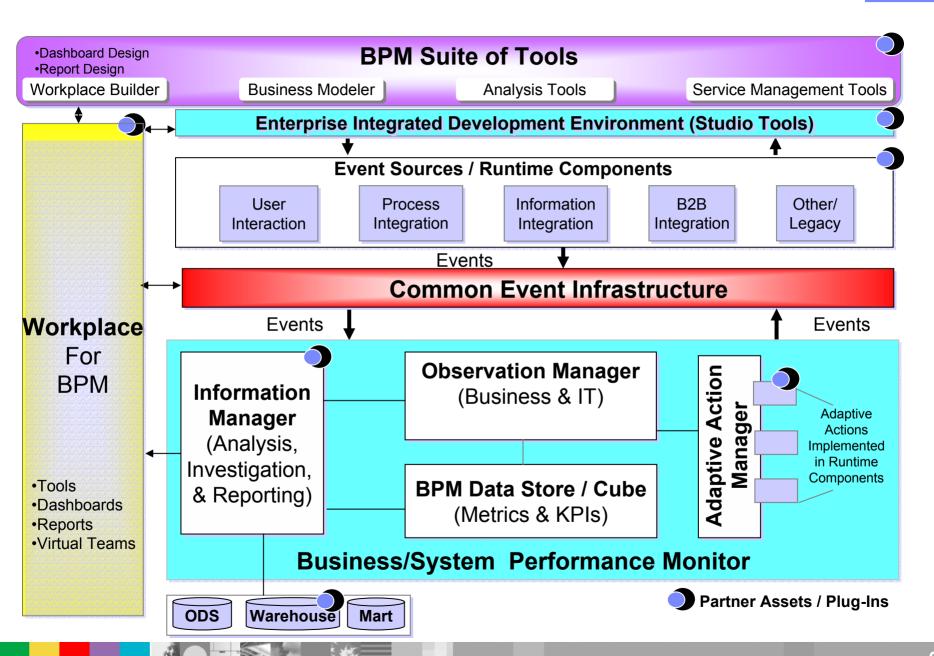


- □Role of Workplace in BPM
- **□**Workplace Architecture
- □User Experience & Dashboards



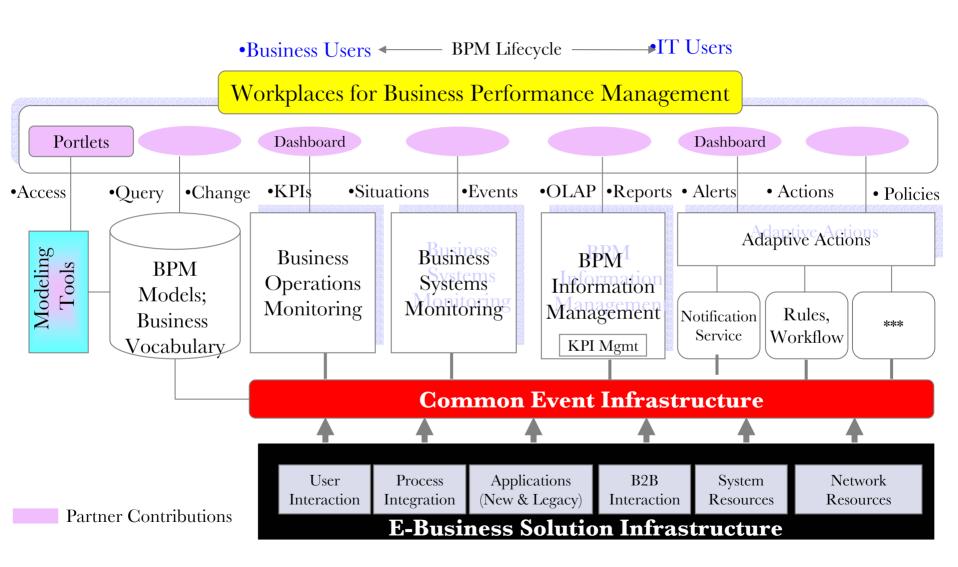
BPM Framework





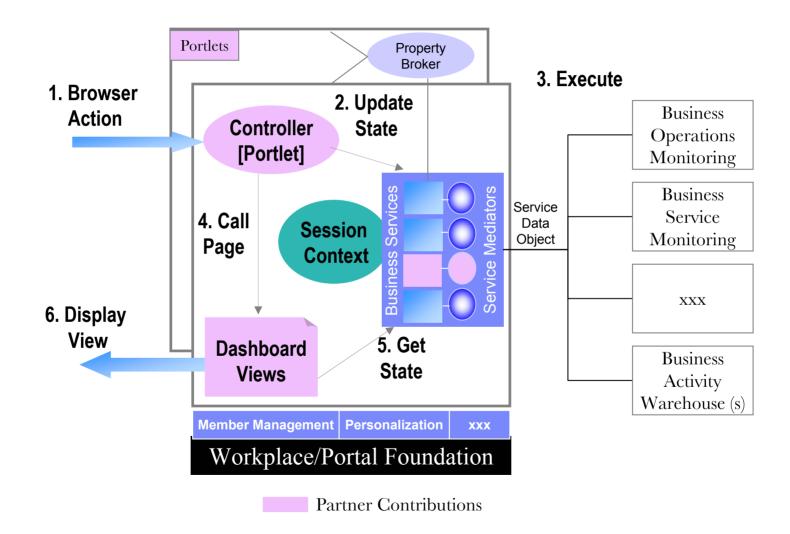


Dashboard Functional Architecture





Dashboard Assembly based on Model-View-Controller Pattern





Workplace for BPM Reference Architecture

BPM
Workplace
Builder

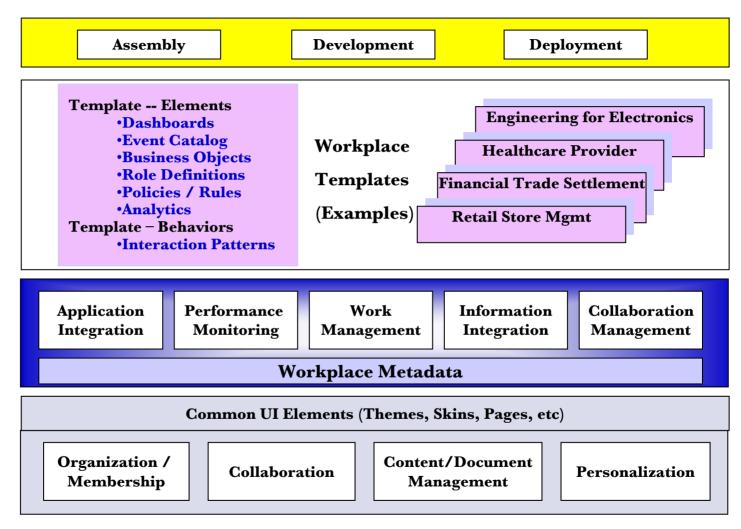
Content

Runtime

BPM Workplace Templates

Workplace Application Services

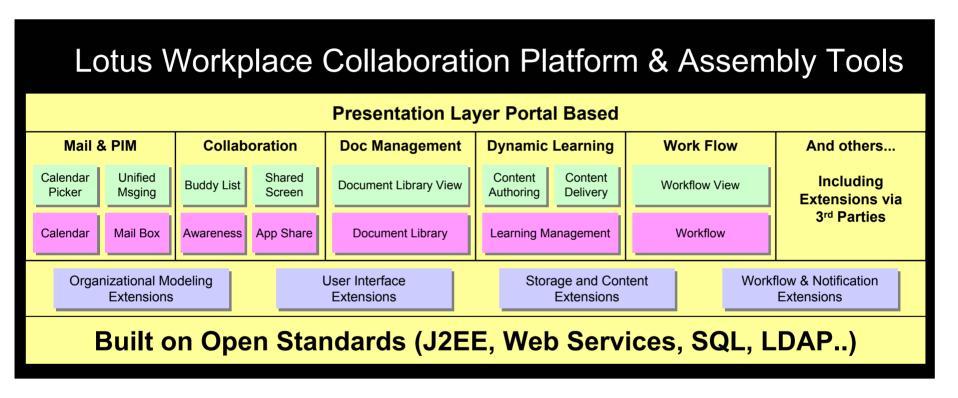
Workplace Foundation



Partner Contributions



Workplace Foundation Architecture

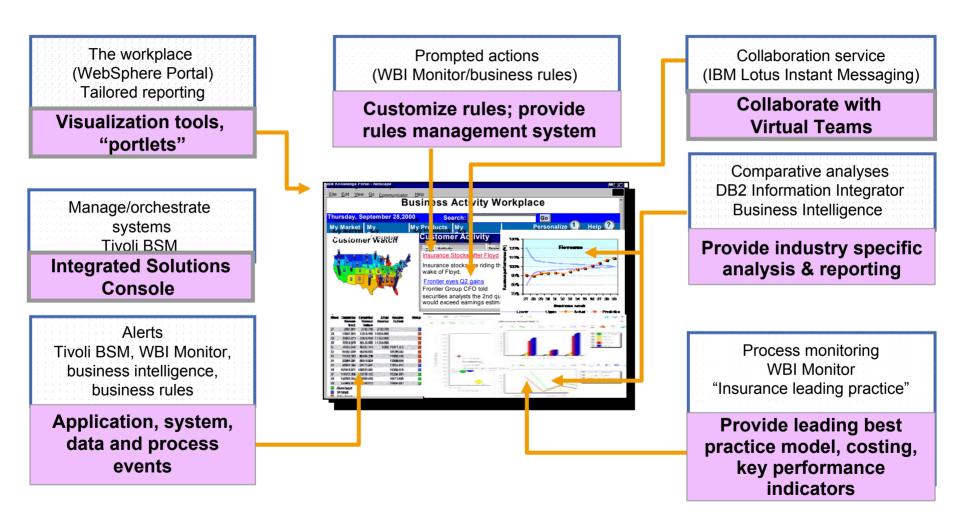




- □Role of Workplace in BPM
- ■Workplace Architecture
- □User Experience & Dashboards



User Experience in Workplace for BPM





Types of Dashboards

Simple classification of dashboards								
Who uses?	What purpose?							
	Executive	Business	Process	Analytic	Console			
Executive								
Line-of-business manage	rs							
System administrators								





Executive Dashboard

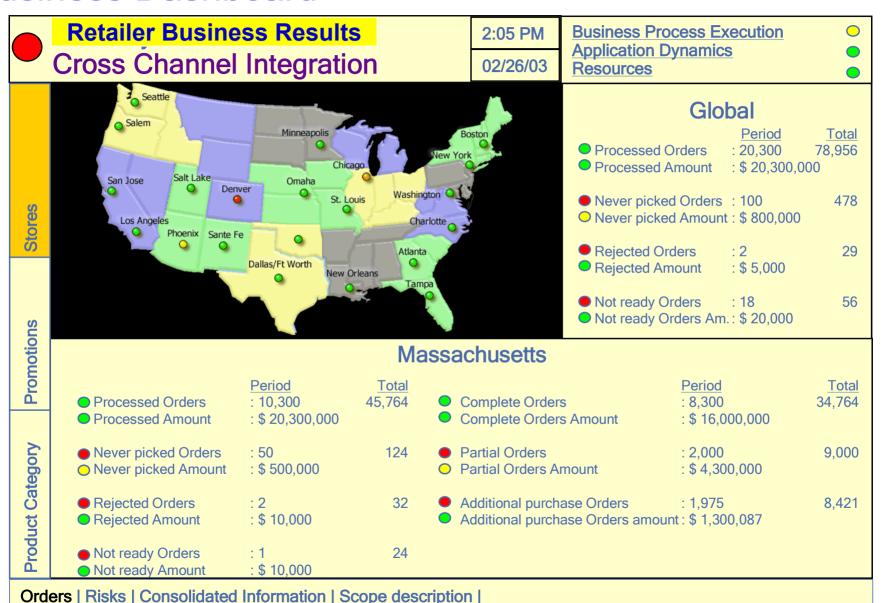






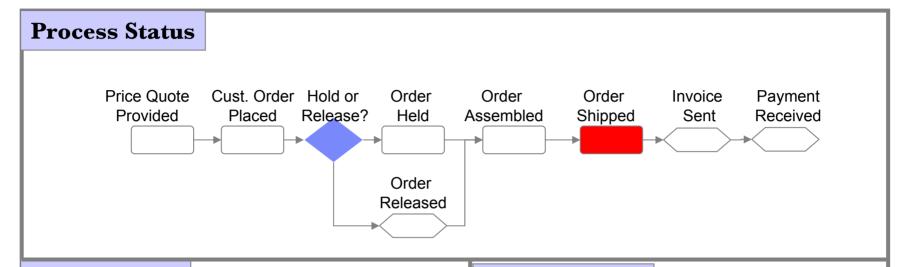


Business Dashboard





Process Dashboard



Process Stats

Outstanding Quotes without Orders

Customer	QuoteID	Quote T	ime	
ABC	1234	02-12 16	.4.1	
SAFECO	7363	02-12 10		
SCHMIDT	2627	02-13 18:14		
		this	avg.	best
Avg. time from quo	te to cash		2.9d	2.1d

Avg. time from quote to assembled 4.0d 2.8d 1.0d

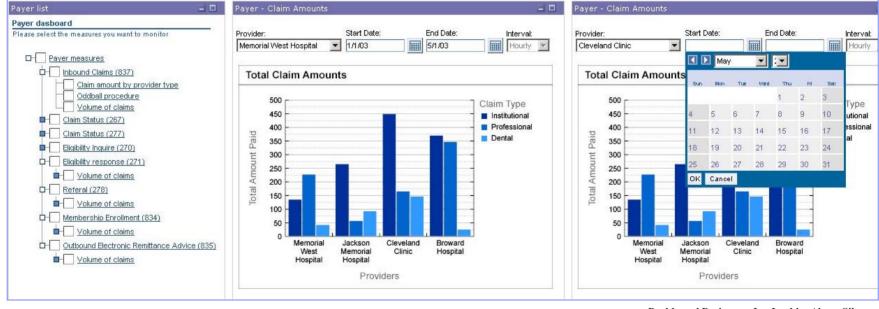
Process Alerts

Alert Notifications (also through pager)

- Customer BRIGHTON order #
 82828 has been on hold for more than
 3 days
- 2. Order Assembly task has exceeded 2 days for order #82922



Analytic Dashboard



Dashboard Designers: Ion Loghin, Aimee Silva











Supporting the Partner Ecosystem

IBM BPM Technical Support:

- Contact your IBM Business Development representative
- Direct technical inquiries and requests for BPM support to the following e-mail: bptswcc@us.ibm.com
 - Please indicate BPM as the subject of the note

Partner Community Calls – Today's Kicks-off the Series

- Calls occurring on a bimonthly basis. Calls will cover topics such as: analyst insight and market drivers, customer roundtable discussions, BPM infrastructure technical discussions, and BPM services engagement best practices
- Next call: BPM Standards
 - Relevant BPM standard
 - What is the current status of the standard
 - How you could get involved
 - Call details to follow







