

# MQSeries Workflow 3.3

## The world is changing

In the increasingly competitive environment of e-business, organizations require business agility to allow them to react to and exploit the changes in customer and marketplace demand in a manner that is not constrained by their IT systems. In fact, the IT system itself must provide the flexibility to overcome these constraints.

Business managers need a dynamic start-to-end view of the business that enables them to analyse, evaluate and select, implement and Control all aspects of the value chain within their business and with their customers, suppliers and partners.

## Business Process Management

BPM gives a business the ability to execute what it wants to do, when it wants to do it and how it wants to do it. It allows the business to design and align its processes to meet a set of business goals and objectives, usually measured against a set of business metrics.



## The process engine for WebSphere and MQSeries

IBM<sup>(R)</sup> MQSeries<sup>(R)</sup> Workflow Version 3.3 is the powerful process engine at the heart of IBM's Business Process Management software, enabling business agility, service-level management and rapid process deployment based on WebSphere and MQSeries. It executes process definitions captured during modeling and ensures that business functions are performed reliably and correctly using the transactional integrity of MQSeries. It is scalable, taking full advantage of multiple processors and clustering, and is particularly well suited to web

### **MQSeries Workflow:**

- The process engine for e-business
- Standards-based web and application integration support
- Leverages investments in organisation and IT infrastructures
- Transactional messaging and XML support
- Ultra-reliable and scalable
- Embedded into flexible next-generation solution packages

server farms. It executes processes running from subseconds to many months. Its full restart and recovery capability makes it truly fault tolerant. When you require high availability, essential in today's e-business environment, MQSeries Workflow is the engine you can bet your mission-critical business processes on.

The powerful process engine facilitates the integration of services provided by IT and organisational infrastructures.

Managing business process logic separate from participating services enables your organization to be and remain agile in a constantly changing and dynamic market place - so vital in the competitive world of e-business.

## Defining your business processes

MQSeries Workflow 3.3 provides a graphical editor to help you design your business processes. A process orchestrates interactions with individual services to perform a complex federated business task. Services are defined as activities, or subprocesses, with input and output data, sequential and parallel flows; control and data flows can be different. With MQSeries Workflow, each case can be handled differently per the

data passed through the process, thereby handling virtually unlimited business complexities.

## Open Interface for Process Definitions

Business process definitions are represented in Flow Definition Language (FDL), a simple text-based format which provides an open interface between process modeling and development tools, and the process engine. It is supported by MQSeries Workflow and several 3rd-party tools.



## **Business Process Management with IBM MQSeries Workflow**

### **Controlling Process Execution**

The execution of processes is controlled by MQSeries Workflow servers, which maintain process state, determine what's next, log steps performed and interact with users and applications. It passes data automatically between resources participating in the process. Leveraging the transactional capabilities of MQSeries and Relational Databases, MQSeries Workflow makes sure nothing gets lost nor executed twice, even in the event of system failures. MQSeries Workflow knows exactly where to resume processing.

### **Standards-based approach to application integration**

Built natively upon MQSeries messaging and XML, MQSeries Workflow can reliably interact with transactions on all platforms supported by MQSeries, including web application servers and EJBs.

And it can directly take advantage of other MQSeries products such as MQSeries Integrator and the MQSeries Adapter Offering, that are all built to the same single architecture for Business Integration.

### **Standards-based Web Support and Ultrathin Client**

Processes supported by MQSeries Workflow can be readily deployed to web browsers, supported by the standards-based web client of MQSeries Workflow which runs on top of the MQSeries Workflow Java APIs and exploits HTML, XML, servlets, JSPs, Java, HTTP, and RMI over IIOP. It is supported by a JSP-wizard

available as a plug-in to WebSphere Studio that generates user front-ends based on the data formats defined in MQSeries Workflow process definitions.

### **Rapid Process Deployment**

With this JSP-wizard and its standards-based approach to business integration, MQSeries Workflow enables the rapid deployment of new business processes to the participating resources. It also enables a new iterative approach to integration driven by the needs of the business process.

### **Platforms - MQSeries Workflow Servers**

- Microsoft Windows (NT and 2000)
- IBM AIX
- HP-UX
- SUN Solaris
- IBM z/OS and OS/390, with plug-in support available for CICS and IMS transactions

### **Platforms - MQSeries Workflow Clients**

- Web browsers
- Microsoft Windows

### **Platforms - MQSeries Messaging and XML for Application Integration**

- 35 platforms
- including web application servers and EJBs

### **New in this release**

Key new functions provided with this release include

- Comprehensive web integration support, including user client, J2EE EJB/JNDI support, and

an authentication exit for secure single signon

- Support for web server farms
- Oracle 8, in addition to DB2
- Asynchronous event handling
- Dynamic subprocess invocation
- Staffless performance
- Extended container size
- Tivoli Inventory support

### **For more information**

For more information about MQSeries Workflow 3.3, contact your IBM representative, or IBM Business Partner today.

### **On the Internet**

Visit the MQSeries Workflow home page at <http://www.software.ibm.com/ts/mqseries/workflow>

You deliver new services  
... *We manage the processes behind them*

You run processes manually today  
... *We automate them*