

TIBCO ACTIVEMATRIX BPM

AT A GLANCE

TIBCO ActiveMatrix BPM provides BPM native to the TIBCO ActiveMatrix platform, in a unified solution that reduces the cost and effort of developing, deploying, and managing composite BPM and SOA applications.

BENEFITS

- **Business Empowerment:**
Enables greater business involvement and process ownership by simplifying process development and management in an enterprise environment.
- **Rapid, Easy Process Development:**
Model- driven approach with debugging and emulation simplifies process development by shielding enterprise complexity. Allows a fast, iterative approach that delivers rapid time to benefit.
- **Unified BPM and SOA Platform:**
Reduces the cost and effort of developing, deploying, and managing BPM and SOA applications. Enables the development of new, more agile, composite process-driven applications.
- **Work Management:**
Manage work distribution to maximize the performance and utilization of people in the process.
- **Workflow Patterns:**
Built-in support eliminates the need for complex code or rules.
- **Enterprise Work Inbox:**
Work from multiple processes and applications can be matched, distributed, aggregated, prioritized, and presented to users in a single work list.

Business processes define how an enterprise operates and differentiates itself. Increased globalization, greater competition, and stricter regulation drive the need to optimize processes for operational excellence. Competitive advantage lies in the ability to adapt business processes to changing conditions quickly and efficiently. Business process management (BPM) enables enterprises to automate, manage and optimize processes to maximize operational efficiency and effectiveness. Enterprise BPM is a tough problem though.

TIBCO ActiveMatrix® BPM allows the business to own process management while meeting the realities of the enterprise. Business teams can own, manage, and optimize their process applications, while IT owns the supporting infrastructure.

Using TIBCO Business Studio™ as the modeling tool, business experts and process developers collaborate to develop model-driven process applications that simplify process development. These applications are deployed on the ActiveMatrix platform, which provides enterprise services such as access to data and applications, grid-based scalability and reliability, and management.

ActiveMatrix BPM decouples process and work management to provide flexibility in how work is distributed to people and how they are managed to perform that work relative to business goals and commitments. The workforce can now be managed as a single resource pool, breaking down functional silos, and optimized globally to maximize performance and utilization.



TIBCO ActiveMatrix BPM provides powerful yet easy-to-use tooling for modeling and developing business processes, for viewing work lists and performing work, and for monitoring running processes.

ATTRIBUTES & CAPABILITIES

Model-Driven Process Development

Using TIBCO Business Studio as the modeling environment, all aspects of process applications are model-driven: processes using BPMN, user forms and page flows, business data using UML, organizational structures and work items. Processes can be simulated, debugged, and emulated within the modeling environment.

Process Management

Supports stateful business processes and stateless page flow processes. Processes are exposed as services and easily consume services to support reuse and composition. Dynamic sub-process selection allows processing paths to be driven by context. Versioning and deployment is by process application, allowing the process and supporting models to be versioned as a single unit, with dependencies and version compatibilities of applications tracked.

Work Management

Process and workforce management are separated, allowing work from multiple processes and applications to be presented in a single, unified "work inbox." Using dynamic organization and work models with capability-based distribution, work is routed to the right resource at the right time. Organization models define structure, positions, and privileges, and are mapped to the corporate directory. Work models define work and who can do it, and enable contextual optimizations for distribution. Work is offered or allocated to any qualified resource in accordance with models; qualification is dynamic and tuneable at runtime. Work items are aggregated into individual work lists.

Workflow Patterns

Built-in, model-driven support for control, resource, and data workflow patterns, eliminates the need for complex, brittle custom coding or rules – see www.workflowpatterns.com. Native support for resource patterns that define common interactions between processes and people for distribution of work items, including the separation of duties (maker-checker or 4-eyes), chaining, and piling patterns.

User Workspace Clients

Allows business users to view their work lists and perform work using easy-to-use Ajax and gadget-based web clients and mobile devices. Workspace clients can be customized based on user role and privileges, and are easily integrated into custom clients or portals. Presentation layer is extensible to support rendering in multiple presentation technologies.

Unified BPM and SOA Platform

The ActiveMatrix platform provides SCA-based composition model and OSGi-based infrastructure for developing, deploying, and managing BPM and SOA applications: common deployment and management tooling, grid-based vertical and horizontal scalability, high availability, automatic elasticity to match load, and governance. Data and application services used by the process application bind to SOA services, providing access to enterprise data and applications.

Reporting and Analysis

Visually interactive reporting and analysis of process and work management performance is performed by TIBCO ActiveMatrix® BPM Spotfire®.

Monitoring and Management

Event stream of actions on process instances, work items, and users provides an audit log that can be viewed, filtered, correlated, and linked. Applications can subscribe to the event stream. Monitoring tools provide process, work item, and user performance metrics. Work items can be reallocated between people and work distribution dynamically optimized without impacting running processes.

PLATFORM AND STANDARDS

Operating Systems

- MS Windows Server 2008
- MS Windows Server 2008 R2
- Red Hat Enterprise Linux 5.4
- SUSE Enterprise Linux 11
- Oracle Solaris 10 SPARC
- Oracle Solaris 10 x86
- IBM AIX 6.1

Databases

- Oracle 11gR2 including Oracle RAC
- Microsoft SQL Server 2008

Java Runtime

- JRE 6

Browsers

- Microsoft IE 8
- Mozilla Firefox 3.6
- Google Chrome 9
- Apple Safari 4 and 5

Standards

- BPMN
- XPDL
- UML

About TIBCO

TIBCO Software Inc. (NASDAQ: TIBX) is a provider of infrastructure software for companies to use on-premise or as part of cloud computing environments. Whether it's efficient claims or trade processing, cross-selling products based on real-time customer behavior, or averting a crisis before it happens, TIBCO provides companies the two-second advantage™ - the ability to capture the right information, at the right time and act on it preemptively for a competitive advantage. More than 4,000 customers worldwide rely on TIBCO to manage information, decisions, processes and applications in real-time. Learn more at www.tibco.com.

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