

IBM WebSphere Business Modeler, Version 6.1

Highlights

- ***Helps drive higher ROI by enabling business analysts to design and model business processes before deploying them***
- ***Simulates process changes and assesses impacts on costs, resource utilization and cycle times prior to deployment***
- ***Helps reduce risk by simulating market changes against current process models***
- ***Enables you to define KPIs to effectively monitor process performance***
- ***Enables regulatory compliance with less time and expense through well-documented, auditable processes***

Creating and maintaining business processes that accurately reflect your organization's business strategy can be a daunting task. Existing business processes can be inflexible and not connected to other business units within your organization, or with critical suppliers and trading partners. Mergers and acquisitions might have left you with a wide range of redundant processes — affecting operating efficiency, productivity and your company's bottom line.

As an important step toward achieving your business goals, your ability to effectively optimize business processes can help your organization become more flexible and responsive to changing business conditions — while helping to reduce your total cost of ownership (TCO). And implementing business process management (BPM) through a service oriented architecture (SOA) can help you achieve your critical business goals even more quickly.

Helping you reduce the complexity, time and cost to develop business processes

IBM WebSphere® Business Modeler, Version 6.1 products can help you fully visualize, understand and document your organization's business processes. Collaboration capabilities help you achieve quick results by enabling subject matter experts to work together to clearly define business models and eliminate inefficiencies. You can model, assemble and deploy business processes, then monitor and take actions based on key performance indicators (KPIs), alerts and triggers to continually optimize these processes. By using WebSphere Business Modeler software, you can tightly link business processes with your strategic corporate objectives and continuously improve these processes over time.

WebSphere Business Modeler products are the entry point for the IBM BPM portfolio, and include:

- *IBM WebSphere Business Modeler Basic, designed to provide an affordable, easy-to-use tool for business users to model, document and print business processes.*
- *IBM WebSphere Business Modeler Advanced, designed to provide all the features of WebSphere Business Modeler Basic, along with complex model simulation and analysis capabilities. With this product, IT users can export models to multiple build-time environments to help jump-start application development.*
- *IBM WebSphere Business Modeler Publishing Server, a Web-based tool designed to enable users to publish business process models to a common repository, so that multiple subject matter experts can review the information simultaneously through a standard Internet browser.*
- *IBM WebSphere Business Modeler Publishing Edition, an offering that consists of 10 WebSphere Business Modeler Advanced licenses, along with one WebSphere Business Modeler Publishing Server license.*

Model, validate and document business processes affordably

WebSphere Business Modeler Basic software is designed to be an affordable entry edition that provides basic modeling capabilities to capture data. You can use WebSphere Business Modeler Basic to model, validate and document business processes. Three modeling modes in WebSphere Business Modeler Basic — basic, intermediate and advanced — enable you to determine the level of detail displayed in diagrams, dialogs and wizards, giving you a choice as to how much of this information you want to be displayed. WebSphere Business Modeler Basic also includes a reporting tool and a complete set of static documentation reports. These reports provide an easy way to present the information contained within the model, so that you can quickly use the reports without having to first develop them.

Take advantage of the full function of WebSphere Business Modeler Advanced

WebSphere Business Modeler Advanced software includes all of the capabilities of WebSphere Business Modeler Basic, as well as simulation, analysis and redesign capabilities. With WebSphere Business Modeler Advanced, you can further bridge the gap between your IT assets and your business goals by taking advantage of the product's robust functionality for business process analysis. And you can fully leverage its process, enterprise, essential data, artifact, organization, resource, timetable and location modeling. Besides the three modes available with WebSphere Business Modeler Basic, WebSphere Business Modeler Advanced also includes a mode for Business Process Execution Language (BPEL) for the IBM WebSphere Process Server, Version 6.1 run time, a mode for XML Process Definition Language (XPDL) for IBM FileNet Business Process Manager, Version 4.0.2 and a mode for IBM WebSphere MQ Workflow Flow Definition Language (FDL). BPEL and FDL compatibility enable you to work in the mode in which you plan to deploy the process.

WebSphere Business Modeler Advanced offers a flexible, visual process modeling environment that is enhanced by the ability to color-code elements according to role, classification or organization units. Along with the name, you can also add labels to the top and bottom of an object — and customize a model so that the appropriate labels can be displayed for the appropriate audience. WebSphere Business Modeler Advanced also includes a “swimlane” layout that you can use to create a model according to role, resource, organization unit and classifier. You can also edit a model in the swimlane layout.

The WebSphere Business Modeler Advanced simulation engine enables you to simulate the dynamic behavior of your process, so that you can analyze workloads and bottlenecks. By using the simulation engine, you can determine the most efficient model before you implement the process. You can view analyses on the process, resources, activities and queues during the simulation or after the simulation is complete. WebSphere Business Modeler Advanced animates the flows

in a step-by-step simulation that enables you to see real-time simulation data. You can move from the modeling phase to the simulation phase after entering metric information (such as costs and time) into the model while in the process editor.

The WebSphere Business Modeler Advanced contains report templates that can automatically create written, numerical and graphical reports. These reports provide valuable guidance in process analysis and redesign, and deliver a detailed weighted average analysis to validate and optimize the processes that you’ve defined. You can improve your business by understanding the time and cost performance of your processes. If you need a customized report, the report designer can help you create it. Or you can publish models to the Web using WebSphere Business Modeler Publishing Server. Then, subject matter experts can collaborate by viewing and commenting upon these models using a standard Web browser.

After you have built, simulated, analyzed and corrected your processes, you can deploy them to WebSphere Process Server through BPEL, Web Services Description Language (WSDL) and XML Schema Definitions (XSDs). WebSphere Business Modeler Advanced can export models to the IBM WebSphere Integration Developer tooling environment by generating service component architecture (SCA) components, modules and Task Execution Language (TEL) for human tasks, and business rules.

WebSphere Business Modeler Advanced also includes the ability to generate business measures models defined in the business measures attributes of an activity. This feature enables WebSphere Business Modeler Advanced to support IBM WebSphere Business Monitor software by allowing you to take a snapshot of a modeled process and update it with KPI and metric information. You can also define situations that enable WebSphere Business Monitor to determine that a situation has occurred and an action must be taken. For example, an alert can be triggered when an order exceeds a threshold, or a certain customer order needs special handling. Or, if a process is taking too long and is exceeding your service level agreement (SLA), a manager can receive an e-mail alert, notifying him or her to address the area that is causing the bottleneck.

New features in Version 6.1

WebSphere Business Modeler Basic, Version 6.1 and WebSphere Business Modeler Advanced, Version 6.1 offer a number of BPM enhancements, including:

- *BPM interoperability enhancements that enable WebSphere Business Modeler to work more effectively with the IBM BPM portfolio and provide tighter integration with those core products*
 - Improved traceability between WebSphere Business Modeler and WebSphere Integration Developer, Version 6.1. This new feature allows users to trace changes through the development life cycle of WebSphere Business Modeler and WebSphere Integration Developer. This helps to ensure a strong change management process across the two products and helps to ensure integrity between the business process and deployment models.
 - Improved integration with IBM FileNet Business Process Manager Version 4.0.2. WebSphere Business Modeler enables the generation of a comprehensive set of artifacts, including XPDL for the IBM FileNet Business Process Manager, so that WebSphere Business Modeler will be the complete BPM design tool for all of IBM BPM solutions.
- Support for human tasks. This new human task definition can be used to reflect in runtime engine tasks that are performed by people. This feature allows for the complete definition of a human task, including staff assignments, escalations and notifications.
- Human task visualization through IBM Lotus® Workplace™ eForms integration. As part of the human task support, Lotus Workplace eForms designer enables users to define the layout of the forms that will be accessed when performing human tasks.
- IBM Rational® Data Architect integration. WebSphere Business Modeler also integrates with Rational Data Architect, sharing data definitions to and from Rational Data Architect to help ensure tight linkage of business processes and data.
- *BPM process definition enhancements that streamline product and feature integration to jump-start and improve BPM projects*
 - Business rules support. The business analyst can now capture business policies and practices in processes that can be used to enforce business policies, make decisions, and infer new data from existing data. The new task object that depicts business rules as part of process definitions can be deployed directly on WebSphere Process Server.
 - Support for predefined process monitoring measures. As part of defining the business process for BPM deployment, users can enable predefined monitoring metrics, such as durations, during the process definition. These predefined metrics can be used seamlessly in the WebSphere Business Monitor model editor as a pattern and implemented within WebSphere Business Monitor.
- *Business user productivity enhancements that enable business analysts to create and analyze models faster and more effectively*
 - Support for business item state changes. Users can document and customize the views of the possible states of a business item, along with the state transitions in the context of a process flow.
 - Ability to export reports to Microsoft® Office. Users now have the option to export predefined and user-defined reports in Microsoft Word .docx format to effectively share information from WebSphere Business Modeler across an organization.

- Ability to copy and paste multiple elements across processes. In addition to the existing copy-and-paste features, users can now use the marquee tool available as part of the WebSphere Business Modeler palette to copy and paste model elements across different processes.

Additional features in Version 6.1 include:

- *BPM analysis enhancements that help improve comprehensive BPM analysis to determine resource utilization across multiple process instances.*
- *Improved management of large models within and across modeling projects through a feature that allows users to work effectively across groups and teams.*
- *Cross-project referencing support that enables users to reference elements from other projects in their workspace. This eliminates the need to duplicate elements within projects and improves workspace organization.*

Publish business processes created within WebSphere Business Modeler

WebSphere Business Modeler Publishing Server enables you to publish business processes created within WebSphere Business Modeler. Then, authorized users can view and comment on the business processes using a standard Web browser. By more widely publishing business processes, you can increase the accuracy of the model and help reduce the risk of a particular subject matter expert introducing information that isn't universally relevant. A published business process can also serve as a training tool for new employees. The business process model can provide new employees with a high-level view of their roles in the company and clearly identify the tasks that they are expected to perform.

Besides viewing business processes, authorized reviewers can use WebSphere Business Modeler Publishing Server to comment on a diagram or on its supporting information. Because the comments are visible and other reviewers can respond to the comments, WebSphere Business Modeler Publishing Server provides a forum for discussing and resolving issues related to developing a business process. The comments and responses are tracked by originator,

and date and time of creation. Users can then export these comments and responses to permit the modeling team to update the model, making it more accurate.

WebSphere Business Modeler Publishing Server comprises three major components:

- *Publisher, which acts as a gateway to the publishing server*
- *Publishing server, which hosts published business modeling projects*
- *Client, which is a standard Web browser with the Scalable Vector Graphics (SVG) Viewer plug-in, enabling you to zoom in and out of process diagrams*

Optimize collaboration to create effective business processes

Whether you are establishing business process modeling as a core competency or expanding your business modeling environment, WebSphere Business Modeler Publishing Edition enables team collaboration in the publishing and reviewing of business process models. This packaged offering includes one license for WebSphere Business Modeler Publishing Server and 10 licenses for WebSphere Business Modeler Advanced. With WebSphere Business Modeler Publishing Edition, subject matter experts can help ensure process model accuracy while facilitating communication and participation across your organization.

For more information

WebSphere Business Modeler software provides best-in-class business modeling and simulation capabilities that you can use to help you run your business more effectively — as well helping to reduce operating costs. With WebSphere Business Modeler, you can take advantage of easy-to-learn and easy-to-use integration capabilities to help improve productivity across your enterprise. You can more clearly define and visualize what the core activities are, and use this information to deliver the flexibility you need to capitalize on market opportunities that can help you stay ahead of the competition.

To learn more about IBM WebSphere Business Modeler, Version 6.1, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/integration/wbimodeler

For the latest hardware and software requirements for IBM WebSphere Business Modeler

Advanced, Version 6.1, visit:

ibm.com/software/integration/wbimodeler/advanced/sysreq/



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