



WebSphere® software

IBM WebSphere Process Server and IBM WebSphere Integration Developer Version 6.1.2

Highlights

- *A simple and flexible execution of standards-based business process solutions in an SOA*
- *An integrated SOA platform to orchestrate an organization's assets*
- *Comprehensive, advanced human-workflows capabilities that enhance the support for the business user with a new, ready-to-run Web 2.0 business process management (BPM) client*
- *The flexibility to modify in-flight process instances and skip activities, to jump forward and backward between activities, and to modify data for a running process*
- *Enhanced life-cycle management of BPM projects by managing the reuse and traceability of process artifacts, simplified collaboration with WebSphere Business Modeler, and leveraging Rational Asset Manager*
- *Accelerated iterative development between business analysts and IT developers through integration with WebSphere Business Modeler*
- *Extended platform and infrastructure currency, including Microsoft Windows 2008 Server and IBM i 6.1*

Your business engine for critical processes

Markets change, economies rise and fall, new threats and opportunities present themselves, and your business is in the middle of it all. In this dynamic, on demand world, you need to take back control of your business. You need to respond faster than your competitors, out-maneuvering them to stay ahead of the game, and provide your customers with the service and products that differentiate you from your competitors. Business process management (BPM) enables you to do exactly that.

At the heart of BPM is IBM WebSphere® Process Server, Version 6.1.2, a high-performance business engine that can run your critical business processes securely, consistently and with transactional integrity. Whether you need to automate processes in the factory, process claims and financial payments, run an efficient

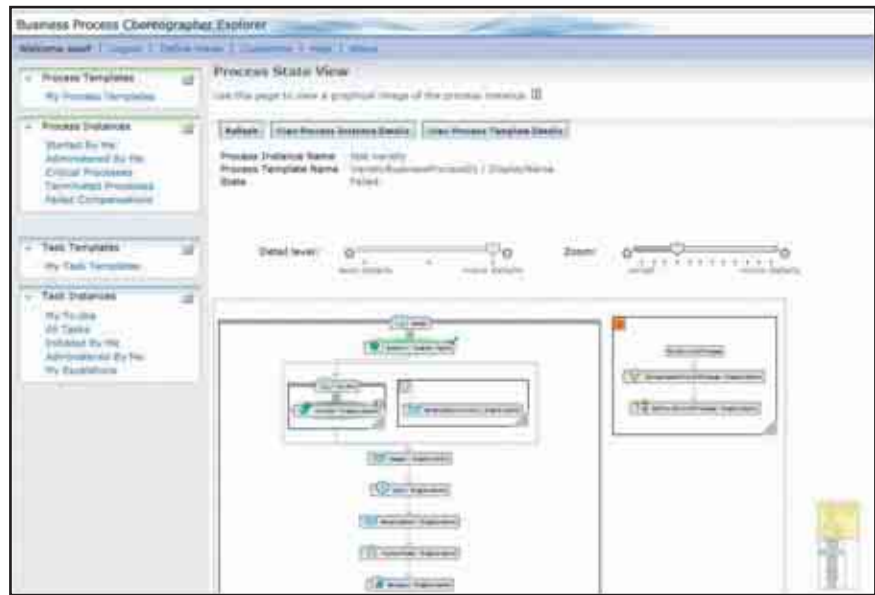
supply chain or help ensure compliance with the latest industry regulations, WebSphere Process Server can orchestrate the assets of your business to form highly optimized and effective processes to meet your business goals.

One platform, one tool, one set of skills

IBM WebSphere Process Server and IBM WebSphere Integration Developer, Version 6.1.2 together deliver a unique integration experience that can help simplify resource integration at the process level right through to the information held in your business applications and components. They help deliver a service oriented architecture (SOA) based on a common model to orchestrate, mediate, connect, map and run the underlying functions and tasks as part of your business processes.

Visualize

Your integration developers have to learn only one set of skills, using one tool for many uses. WebSphere Integration Developer is the Eclipse-based tool for building SOA-based BPM and integration solutions across WebSphere Process Server, IBM WebSphere Enterprise Service Bus and IBM WebSphere Adapters. As a



An example of WebSphere Business Space for Human Workflow on WebSphere Process Server

result, WebSphere Integration Developer simplifies integration with rich features that accelerate the adoption of SOA by rendering existing IT assets as service components that encourage reuse and efficiency.

Integration developers can assemble complex business solutions—regardless of whether the components are processes, mediations, services, human tasks, business rules, adapters or code. They construct process and integration solutions using drag-and-drop technology to visually define the sequence and

flow of business processes. The visual editors for human-related tasks, business state machines, business rules, data mapping and other components minimize the need to write Java™ code. And IBM WebSphere Business Modeler together with WebSphere Integration Developer provides an end-to-end solution for business analysts to collaborate with developers to define and implement business processes in a simple and straightforward fashion. The tight integration between these tools provides the ability to make incremental changes in the business model and apply them without loss of implementation to support business-driven change.

Orchestrate

WebSphere Process Server runs a series of services, as part of a process, with end-to-end transactional integrity. This capability includes comprehensive support for human-related tasks, integration of information from disparate applications into the process, and integration with information management systems. Flexibility is maximized through the ability to choose which services to dynamically invoke from IBM WebSphere Service Registry and Repository, depending on environmental factors that affect the process instance at that time. Together with IBM WebSphere Business Monitor, WebSphere Process Server offers a comprehensive SOA offering that completes the life cycle of business processes.

Mediate

WebSphere Process Server contains a rich set of mediation and integration capabilities also found in WebSphere Enterprise Service Bus. It abstracts the complexities of integration between applications and data sources by mediating between services wherever they are—regardless of vendor, platform or whether they are homegrown or packaged applications. This function means that you can present every asset in the

business as a set of well-defined services—and shield the business from technology changes while providing stable interfaces to orchestrate business processes. With strong support for Java Messaging Services (JMS) that lets you take advantage of the extensive platform reach of IBM WebSphere MQ, as well as Web services, XML and many other standards, you can be assured that your processes can reach every part of your business as well as that of your trading partners.

Market-leading middleware designed for BPM

WebSphere Process Server and WebSphere Integration Developer, in combination with WebSphere Business Modeler, WebSphere Business Monitor, WebSphere Business Fabric and WebSphere Business Events, enable you to take advantage of IBM's extensive experience and long history in providing solutions that address the full life cycle of BPM. With the combination of open standards, SOA, and the new features and enhancements described here, WebSphere Process Server and WebSphere Integration Developer enable you to rapidly build and deploy

flexible processes that integrate all aspects of the process—from the people interactions to integration with existing services and applications. This means that you can build your SOA the way you want it—flexible, fast and business-driven.

New in this release

WebSphere Process Server, Version 6.1.2 and WebSphere Integration Developer, Version 6.1.2 have been enhanced with a number of new features and capabilities, including:

Platform alignment and currency

- *Support for IBM WebSphere Application Server, Version 6.1.0.17, the latest release level of WebSphere Application Server*
- *Support for IBM i 6.1, enabling WebSphere Process Server to run on the latest release of IBM i to leverage the native facilities of this operating system*
- *Support for Microsoft® Windows® Server 2008 as a runtime platform, enabling WebSphere Process Server to run on the latest version of Microsoft's server operating system*
- *Support for Oracle 11g as the underlying database for all WebSphere Process Server components for leveraging the latest version of Oracle's database management system*

Enhanced usability, enabling better business flexibility

Enabling easier installation and configuration of WebSphere Process Server is key to a successful deployment of your SOA infrastructure. New installation and configuration enhancements increase the usability of WebSphere Process Server:

- *Enhanced installer installs interim fixes for WebSphere Process Server and WebSphere from a default or specified directory as part of the standard installation process*
- *Simplified installation process enabled by the availability of a complete installation package at each fix pack level*
- *Database scripts for creating database instances on remote servers now available directly from the installation media, eliminating the need to install WebSphere Process Server to gain access to the scripts*

Enhanced developer productivity

WebSphere Integration Developer enhances life-cycle management of BPM projects through integration with IBM Rational® Asset Manager, Version 7.1

- *Helps manage the reuse and traceability of models and other artifacts. It delivers a scalable solution for clients who need to manage large numbers of BPM artifacts and the relationships between them. The user can search for, and publish, artifacts from WebSphere Integration Developer. Attachments can be managed through the Web-based user interface for Rational Asset Manager. Links to data and batch upload of data are also supported by Rational Asset Manager.*
- *Helps simplify collaboration with WebSphere Business Modeler. The repository is a key component in providing simple sharing of BPM models and other artifacts between business and IT users, whether they are using WebSphere Business Modeler, WebSphere Integration Developer, or the Monitoring Model Editor in WebSphere Business Monitor. This helps eliminate explicit exporting and importing of artifacts when using multiple tools, which can simplify the user experience.*

Changes to accelerate development time

WebSphere Integration Developer V6.1.2 includes an enhanced integrated test client and delivers improved problem determination.

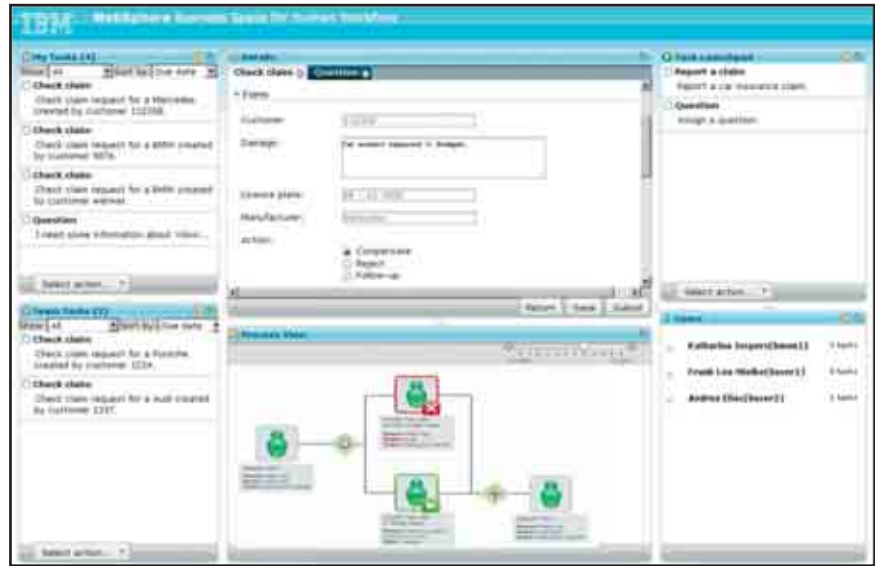
- *Enhanced visual tracing of more components during testing. The test client now supports fine-grained tracing from execution into the implementation of more components during testing. Fine-grained trace allows visual testing of various components and shows other state data. It delivers an improved ability to trace into the implementation and to visually test Extensible Stylesheet Language Transformation (XSLT) maps in the test client.*
- *Enhanced human task testing and access to data such as SOAP messages and log records. With this support, the developer can manipulate aspects of human tasks during testing. The developer can also examine SOAP messages as they enter and exit Service Component Architecture (SCA) modules. Data values used in testing can now be shared more easily across test cases.*

- Ability to restore the unit test environment (UTE) to the state that was originally configured for the test server (WebSphere Process Server or WebSphere Enterprise Service Bus) at installation, if it changed. Also provides the ability to add a WebSphere Process Server or WebSphere Enterprise Service Bus server to the UTE using a simple user interface.
- Improved console messages and transaction quality-of-service support, to help decrease instances of repeated messages and application stack traces. Provides validation of quality of service settings and fix-up problems. This can help reduce problems currently only found at execution time.

Integration with WebSphere Business Modeler

The integration of WebSphere Process Server with WebSphere Business Modeler helps accelerate iterative development by improving collaboration between business analysts and IT developers.

- Helps improve traceability of human tasks and business rules. Supports the ability to compare and merge human task and business rule changes in a business process imported from WebSphere Business Modeler. Provides support for business process annotations from WebSphere Business Modeler.



An example of WebSphere Business Space for Human Workflow on WebSphere Process Server

- Helps improve traceability between WebSphere Business Modeler and WebSphere Integration Developer by allowing the annotations within a business process to be shown in WebSphere Integration Developer. It can also be used to add comments to tasks in the Business Process Execution Language (BPEL) editor.
- Adds support for business calendars and provides the ability to handle calendar information from WebSphere Business Modeler. The calendar information helps improve actions based on time by allowing calendar rules to be created and used, such as rules for dealing with weekends and holidays as non-business days.

Graphical user interfaces for business users to improve process interaction

WebSphere Process Server V6.1.2 empowers business users with the new Web 2.0 BPM client for business users for faster time-to-value through these key productivity capabilities:

- New ready-to-run Web 2.0 BPM client for business users with configurable worklists and detailed work item views, including support for ad hoc collaboration using pre-built human tasks
- Graphical process view for business users to view tasks
- Additional business process capabilities, enabling better business flexibility

Improved interactions with in-flight processes

WebSphere Process Server V6.1.2 has new and enhanced capabilities for interacting with in-flight business-process instances to enable more flexibility in reacting to changing business conditions:

- *Enhanced flexibility for modifying the flow of in-flight process instances with the ability to skip activities, as well as to jump forward and backward between activities*
- *Ability to incorporate process-relevant data changes in-flight*
- *Generic interface based on Representational State Transfer (REST) for programmatic interaction with human tasks*
- *Ability to leverage business calendars authored in WebSphere Business Modeler or WebSphere Integration Developer for defining specific time-based settings (for example, durations and timeouts) in business processes and human tasks*

Enhanced ease of use

Enhancements related to product ease of use enable faster and more effective

development, testing, deployment, execution and administration of business process solutions:

- *Enhanced support for Web Services Description Language (WSDL) XML Schema Definition (XSD), enabling the use of many industry-standard XML schemas*
- *Improved application start and server restart times*
- *Enhanced trace to capture what is flowing through the server at run time for later display in the WebSphere Integration Developer Integrated Test Client, with the full power of the test client for problem determination and analysis of application logic*
- *Generations of additional events and event information that can be leveraged by WebSphere Business Monitor to better track decision responses*

Why platform matters

The platform you use matters. Some systems have greater reliability, flexibility, security, scalability and availability than others. That is why WebSphere Process Server is now available on a greater range of systems than ever

before, including the IBM System z™ platform and now the IBM i operating system. Because we know that platform matters to you.

IBM System z

For many years, the mainframe has been associated with a set of traditional core values: availability, security and scalability. As a result, many enterprises around the world have chosen the mainframe as their deployment platform for mission-critical applications. It is no surprise that in industries such as banking, where factors like security are so important, there is a strong affinity to mainframe servers.

IBM WebSphere Process Server for z/OS® Version 6.1.2 takes advantage of today's System z servers by taking the traditional values of the mainframe to the next level. It offers:

- *Extremely high levels of application and data availability for business resiliency.*
- *Rock-solid security and privacy.*
- *Massive horizontal and vertical scalability features for non-disruptive growth.*
- *An optimized operating environment with higher utilization and balanced system design.*

- *Advanced multidimensional virtualization capabilities.*
- *Highly responsive, autonomic and intelligent workload management.*
- *Compliance with open and industry standards.*
- *Unmatched platform support for transformation and integration of existing applications and data.*
- *Specialty engines that are integrated with and leverage existing assets with a new set of economics.*
- *World-class integrated support.*

These capabilities that the mainframe brings to the market are becoming very important for all industries. The cost that results from failures, whether downtime or security breaches, can be very expensive. Thus, resiliency is of growing importance. By choosing to run WebSphere Process Server on System z, companies across a range of industries can take advantage of these key capabilities to help address many of their business requirements.

IBM i

WebSphere Process Server runs natively under IBM i.

The IBM i integrated operating environment has a highly scalable and virus-resistant architecture with a proven reputation for exceptional business resiliency to provide the efficient IT infrastructure that companies rely on to support business-critical applications.

The IBM i operating environment integrates a trusted combination of relational database, security, Web services, networking and storage-management capabilities. It provides a broad and highly stable database and middleware foundation for efficiently deploying business-processing applications.

The IBM i operating environment has helped companies over many years to focus on innovation and delivering new value to their business, not just on managing their data-center operations. IBM i:

- *Provides low total cost of ownership.*
- *Runs a wide range of applications, from character-based and enterprise resource planning (ERP) to SOA.*
- *Delivers industry-leading customer and IBM Business Partner satisfaction.*
- *Supports mixed workloads on a single server, with stability at high levels of system utilization.*
- *Delivers a secure design that provides natural defenses against viruses and the vulnerabilities that they attempt to exploit.*
- *Delivers reliability as a feature, not an option.*
- *Helps ensure the investment protection of IT assets.*



IBM WebSphere Process Server, Version 6.1.2 at a glance

Hardware and software requirements:

For the latest information about hardware and software requirements for WebSphere Process Server, Version 6.1.2, visit:

ibm.com/software/integration/wps/sysreqs

IBM WebSphere Integration Developer, Version 6.1.2 at a glance

Hardware and software requirements:

For the latest information about hardware and software requirements for WebSphere Integration Developer, Version 6.1.2, visit:

ibm.com/software/integration/wid/sysreqs/

For more information

To learn more about IBM WebSphere Process Server, Version 6.1.2 and IBM WebSphere Integration Developer, Version 6.1.2, please contact your IBM marketing representative or IBM Business Partner, or visit the following Web sites:

- ibm.com/software/integration/wps
- [ibm.com /software/integration/wid](http://ibm.com/software/integration/wid)

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