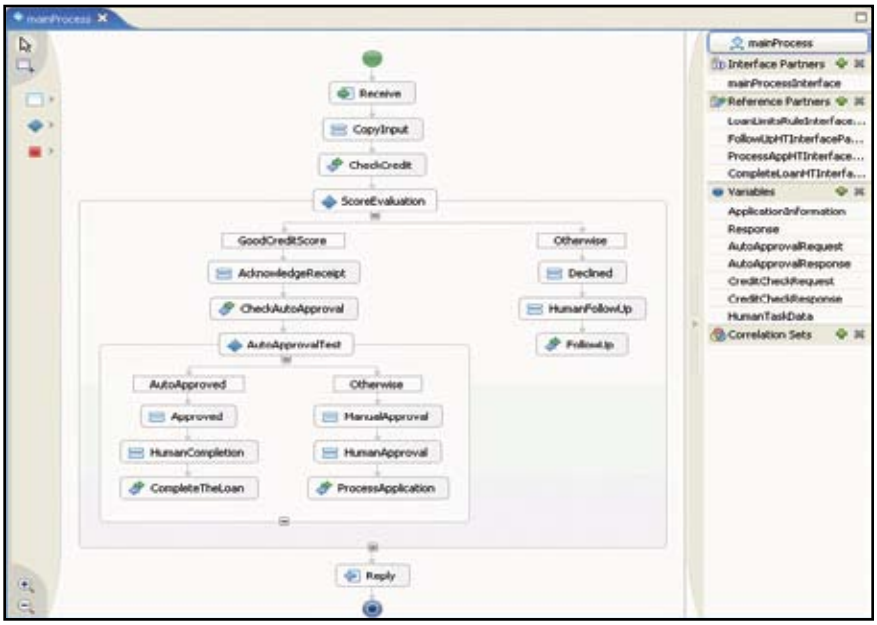
WebSphere software

IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 and IBM WebSphere Integration Developer for Multiplatforms, Version 6.0.2

Highlights

- ***Enables you to rapidly construct and deploy processes that can meet the goals of your business***
- ***Delivers one platform, one tool for end-to-end integration to provide service discovery, mediation and orchestration***
- ***Integrates more (into the process) with Web services, application adapters and advanced messaging capabilities***
- ***Supports comprehensive, human-centric business process management and task management***
- ***Provides service-governance capabilities with dynamic run-time discovery and invocation of services***
- ***Offers advanced administration and management features***
- ***Provides simplified tools to describe, create and manage business processes with minimal skills***
- ***Delivers high performance and quality of service with advanced fault-tolerance and error-detection capabilities***



WebSphere Process Server enables rapid and easy construction of new service flows and mediations

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 the pack. Business process management (BPM) enables you to do exactly that.

At the heart of BPM is IBM WebSphere® Process Server for Multiplatforms, Version 6.0.2, 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

WebSphere Process Server and IBM WebSphere Integration Developer for Multiplatforms, Version 6.0.2 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 IT functions 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 common tool for building SOA-based integration solutions across WebSphere Process Server, IBM WebSphere Enterprise Service Bus (WebSphere ESB) and IBM WebSphere Adapters. As a result, WebSphere Integration Developer simplifies integration with rich features that accelerate the adoption of SOA by rendering existing IT assets as service components that can encourage reuse and efficiency. Integration developers can assemble complex business solutions with minimal skills — whether processes, mediations adapters or code components. They can also construct process and integration solutions using drag-and-drop technology, without having a working knowledge of Java™ coding. And IBM WebSphere Business Modeler uses WebSphere Integration Developer capabilities to provide a business-centric view of process modeling.

Orchestrate

WebSphere Process Server implements 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 in disparate applications into the process and integration with information-management-based systems. Flexibility is maximized through the ability to choose which services to invoke from IBM WebSphere Service Registry and Repository, depending on environmental factors that affect the process instance at that time. Together with WebSphere Business Modeler and 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 ESB. 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.

New in this release

WebSphere Process Server for Multiplatforms, Version 6.0.2 and WebSphere Integration Developer for Multiplatforms, Version 6.0.2 have been enhanced with a number of new features and capabilities, including:

The ability to integrate more into the process with enterprise-wide reach and connectivity

These capabilities come included with the product, providing integration with Web services, application adapters and advanced messaging capabilities.

True governance of services

Integration of WebSphere Service Registry and Repository with WebSphere Process Server helps provide end-to-end governance for all services. WebSphere Service Registry and Repository integration also provides dynamic, on demand capabilities to Business Process Execution Language (BPEL) processes by enabling process participants (imports and exports of service components) to search relevant services and service metadata information. This capability enables you to adapt process behavior in real time that is suitably augmented by the service metadata in WebSphere Service Registry and Repository.

Easy-to-use, comprehensive, human-centric BPM scenarios

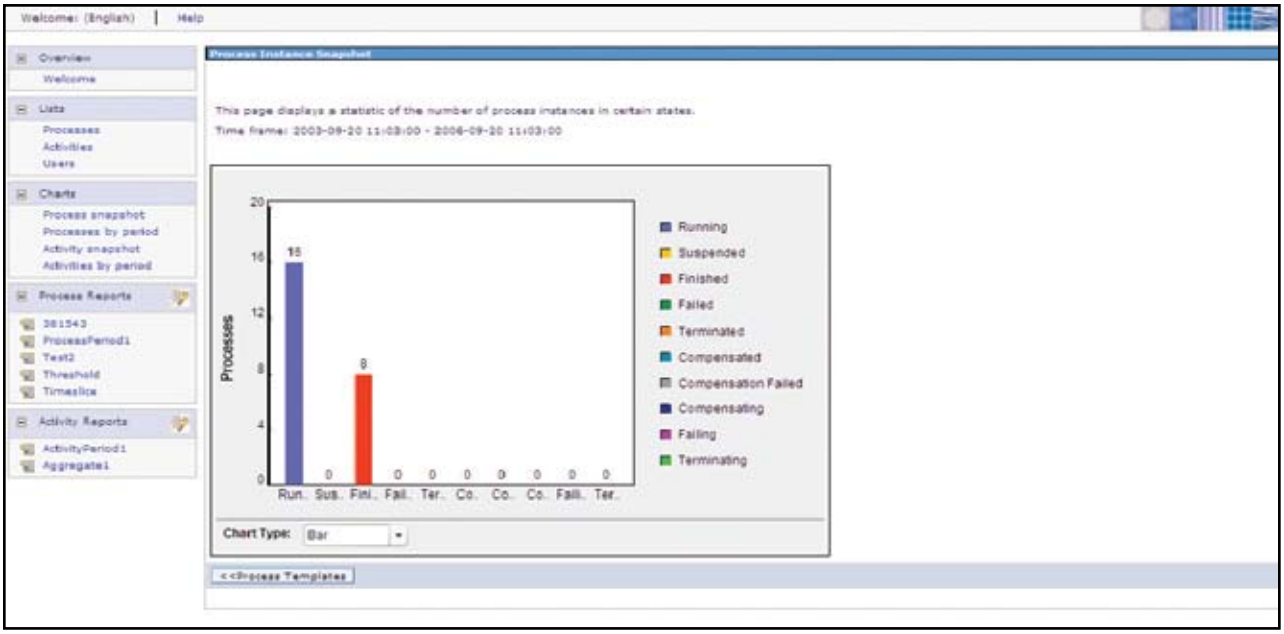
These scenarios include:

- *A rapid Web-client-generation tool for business users to generate user interfaces and task lists.*
- *A customizable administration and configuration client for administrators.*
- *Enhanced support so that you can easily build business-user clients from powerful JavaServer Faces (JSF) components, for both Web-based and portal clients.*
- *Support for a Web services interface for workflow client applications on any platform, including Microsoft® .NET and Java 2 Standard Edition (J2SE), which means easier access for remote clients to interact with the process.*

- *A remote client-install option that can install clients transparently using WebSphere Process Server application programming interfaces (APIs) (not just on the same system as WebSphere Process Server).*
- *The ability to assign work to a group or team of individuals who all share the same job or responsibilities, in shifts or in parallel.*
- *The ability to handle ad hoc tasks, which can offer line-of-business (LOB) users the flexibility to create other tasks (such as inserting these tasks into a task-list) and schedule follow-on work for the same user or follow-up tasks for coworkers.*

It also enables them to handle events that were not planned for in advance, and provides the ability to create a customized e-mail message for human-task escalations (for example, to alert a manager that a task has not been processed).

- *Post-processing of staff query results that enables you to plug in your specific workforce-management policies, such as staff workload balancing, substitutions when an employee is absent or setting preferences for active users. It also supports the integration of other custom staff repositories.*
- *The ability to automatically transition directly from one human task to the next within the same business process using the server-controlled page-flow capability.*
- *The ability to query and filter lists of business processes based on process variables that contain customer-specific data, such as order ID or customer name. You can also store those queries and filters as private views.*
- *A graphical view for processes that enables you to track the status of process instances and each individual activity.*



WebSphere Process Server gives you visibility and measurability of your processes' and systems' performance.

Runtime administration improvements (dynamic reconfiguration, with no need to rebuild or redeploy)
Runtime administration improvements made in this release include:

- *Administration configuration of mediation properties and end points*
- *Dynamic end-point selection that enables you to intervene to get part of the process to interface to a different system (for example, to change from Oracle to Siebel dynamically for future process instances)*
- *The ability to handle unmodeled faults from Web service invocations*
- *The ability to add mediation modules after deployment without going into WebSphere Integration Developer*
- *The flexibility to manage your BPM solution without having to redeploy or reauthor the process*
- *Cleanup service for completed business processes*
- *Automatic staff query refresh using a timer-controlled daemon*
- *New IT-level observation, reporting and statistic capabilities, offering graphical charts and flexible drill-down capabilities for historical and accumulated data, such as average process duration or actual work time*

Tight integration between information services and business processes
Integration enhancements include:

- *The introduction of an information-service activity that is designed to provide direct access to relational database systems with the support of full Structured Query Language (SQL) and interaction with other information-management services, such Extract, Transform and Load (ETL), and federated access to heterogeneous information sources such as ECM systems.*
- *WebSphere Integration Developer tooling plug-in support for information-management activities*

Market-leading middleware designed for BPM
WebSphere Process Server and WebSphere Integration Developer enable you to take advantage of IBM's extensive experience and long history in providing solutions that address your BPM challenges. With the combination of open standards, SOA, the new features and enhancements described here, WebSphere Process Server and WebSphere Integration Developer enable you to rapidly build and deploy flexible on demand processes that integrate with your existing assets. This means that you can build your SOA the way you want it—flexible, fast, and business-driven.

For more information
To learn more about IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 and IBM WebSphere Integration Developer for Multiplatforms, Version 6.0.2, contact your IBM representative or IBM Business Partner, or visit:

ibm.com/software/integration/wps

To join the IBM WebSphere Global Community, visit:

www.websphere.org

To find out more about how IBM is helping to drive standards for an SOA programming model, visit:

www.osoa.org

IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 at a glance

Hardware requirements

For IBM AIX®

- IBM System p™ machine at 375MHz or faster
- Minimum 1.3GB (1350MB) available disk space for installation
- Approximately 600MB temporary space during installation
- Minimum 512MB physical memory; 1GB recommended
- CD-ROM drive

For HP-UX

- PA-RISC processor at 440MHz or faster
- Minimum 512MB physical memory; 1GB recommended
- Minimum 1.5GB (1550MB) available disk space for installation (includes software development kit [SDK])
- Approximately 600MB temporary space during installation
- CD-ROM drive

For Linux® on IBM System i™

- System i models that support logical partitioning (LPAR) (64 bit kernel support only) with a minimum of 450 client performance workload (CPW) in the Linux partition
- Minimum 16GB available disk space for the IBM OS/400® partition; minimum 2.5GB for the Linux partition; minimum 1.3GB (1350MB) for installation
- Approximately 600MB temporary space during installation
- Minimum 512MB physical memory; 1GB recommended for the OS/400 partition
- CD-ROM drive

For Linux on System p

- Any compatible System p model
- Minimum 1.3GB (1350MB) available disk space for installation
- Approximately 600MB temporary space during installation
- Minimum 512MB physical memory; 1GB recommended
- CD-ROM drive

IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 at a glance (continued)

Hardware requirements (continued)

For Linux on IBM System z™

- System z processor (64 bit kernel support)
- Minimum 1.3GB (1350MB) available disk space for installation
- Approximately 600MB temporary space during installation
- Minimum 512 MB physical memory, 1GB recommended
- CD-ROM drive

For Linux on Intel®

- Intel Pentium® (or equivalent) processor at 1GHz or faster (32 bit kernel support only)
- Minimum 1.3GB (1350MB) available disk space for installation
- Approximately 600MB temporary space during installation
- Minimum 1GB of physical memory
- CD-ROM drive

For Sun Solaris Operating Environment

- Sun Solaris SPARC workstation at 440MHz or faster, or Sun Solaris Opteron (toleration only)
- Minimum 1.3GB (1350MB) available disk space for installation
- Approximately 600MB temporary space during installation
- Minimum 512MB physical memory; 1GB recommended
- CD-ROM drive

For Microsoft Windows® 2000, Windows 2003 and Windows XP Professional

- Intel Pentium (or equivalent) processor at 1GHz or faster (32 bit operating system support only)
- Minimum 1.3GB (1350MB) available disk space for installation
- Approximately 600MB temporary space during installation
- Minimum 1GB physical memory
- CD-ROM drive

IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 at a glance (continued)

Software requirements

For AIX

- Operating environments (one of the following)
  - IBM AIX 5L™, Version 5.2
  - AIX 5L, Version 5.3
- Supported databases (one of the following)
  - IBM Cloudscape™, Version 5.1
  - IBM DB2® Universal Database™ Enterprise Server, Version 8.1 with Fix Pack (FP) 13 or Version 8.2 with FP 6
  - IBM DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - IBM Informix® Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with Service Pack (SP) 4

For HP-UX

- Operating environments (one of the following)
  - HP-UX 11, Version 1 with Quality Pack of June 2005 with required HP-UX patches for Java
  - HP-UX 11, Version 2
- Supported databases (one of the following)
  - Cloudscape, Version 5.1
  - DB2 Universal Database Enterprise Server, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - Informix Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with SP4

For Linux on System i and Linux on System p

- Operating environments (one of the following)
  - Red Hat Enterprise Linux (RHEL) AS, Version 4.0 with Update 3
  - SUSE Linux Enterprise Server (SLES), Version 9.0 with SP3
- Supported databases (one of the following)
  - Cloudscape, Version 5.1
  - DB2 Universal Database Enterprise Server, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - Informix Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with SP4

IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 at a glance (continued)

Software requirements (continued)

For Linux on System z

- Operating environments (one of the following)
  - RHEL AS, Version 4.0 with Update 3
  - SLES, Version 9.0 with SP3
  - SLES, Version 10.0
- Supported databases (one of the following)
  - Cloudscape, Version 5.1
  - DB2 Universal Database Enterprise Server, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - Informix Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with SP4

For Linux on Intel

- Operating environments (one of the following)
  - RHEL AS, Version 4.0 with Update 3
  - RHEL ES, Version 4.0 with Update 3
  - RHEL WS, Version 4.0 with Update 3 (supported for application design, development and testing only; not supported for production use)
  - SLES, Version 9.0 with SP3
  - SLES, Version 10.0
  - Red Flag Advanced Server, Version 4.1 with FP 1
- Supported databases (one of the following)
  - Cloudscape, Version 5.1
  - DB2 Universal Database Enterprise Server, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - Informix Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with SP4

IBM WebSphere Process Server for Multiplatforms, Version 6.0.2 at a glance (continued)

Software requirements (continued)

For Sun Solaris Operating Environment

- Operating environments (one of the following)
  - Sun Solaris, Version 9 (SPARC) with Patch Cluster of September 2005
  - Sun Solaris, Version 10 (SPARC and Opteron x84-64)
- Supported databases (one of the following)
  - Cloudscape, Version 5.1
  - DB2 Universal Database Enterprise Server, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - Informix Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with SP4

For Windows 2000, Windows 2003 and Windows XP Professional

- Operating environments (one of the following)
  - Windows 2000 Server and Advanced Server with Update roll-up 1 for SP4
  - Windows 2000 Professional with Update roll-up 1 for SP4
  - Windows 2003 Server Datacenter, Standard and Enterprise Edition with SP1
  - Windows XP Professional with SP2

Note: Windows 2000 Professional and Windows XP are supported for application design, development and testing only; no support is provided for production use.

- Supported databases (one of the following)
  - Cloudscape, Version 5.1
  - DB2 Universal Database Enterprise Server, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - DB2 Information Integrator, Version 8.1 with FP 13 or Version 8.2 with FP 6
  - Informix Dynamic Server, Version 9.4
  - Oracle Enterprise Edition 9i (9.2.0.7)
  - Oracle Enterprise Edition 10g (10.1.0.4)
  - Microsoft SQL Server Enterprise 2000 with SP4

For the latest hardware and software requirements for WebSphere Process Server, Version 6.0.2, visit **ibm.com**/software/integration/wps/sysreqs.

IBM WebSphere Integration Developer, Version 6.0.2 at a glance

Hardware requirements

For Linux on Intel

- Intel Pentium III processor at 1GHz or faster (32 bit kernel support only)
- Minimum 5.5GB available disk space for installation
- Approximately 1GB temporary disk space required for installation
- Minimum 1GB physical memory; 1 to 2GB recommended

For Windows

- Intel Pentium III processor at 1GHz or faster (32 bit kernel support only)
- Minimum 5.5GB available disk space for installation
- Approximately 1GB temporary disk space required for installation
- Minimum 1GB physical memory; 1 to 2GB recommended

Software requirements

For Linux on Intel

- RHEL WS, Version 3.0 with Update 2
- SLES, Version 9

For Windows

- Windows 2000 Advanced Server with SP3 and SP4
- Windows 2000 Server with SP3 and SP4
- Windows 2000 Professional with SP3 and SP4
- Windows Server 2003, Enterprise Edition
- Windows Server 2003, Standard Edition
- Windows XP Professional with SP1 and SP2

For the latest information on hardware and software requirements please visit: **ibm.com**/software/integration/wid/sysreqs/.

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