

Making the move to IBM WebSphere Process Server

A migration strategy for WebSphere heritage product customers



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Executive summary

For organizations that rely on previous-generation SOA and BPM technologies from IBM—heritage products such as IBM WebSphere® Business Integration Server Foundation, WebSphere MQ Workflow, and WebSphere InterChange Server—now is the time to begin planning your migration to WebSphere Process Server, the next-generation solution for BPM powered by SOA. WebSphere Process Server is a proven, integrated platform for all SOA-based process automation, workflow, integration and business process management activities. This consolidated solution offers one integrated programming model and development environment, combining IBM's flagship process integration features on a common Java™ application server runtime.

While WebSphere Process Server combines the capabilities of its three predecessor products, it provides many new features that help organizations expand the reach of their integration, workflow, and BPM implementations, bringing greater value to the business and to IT. Migrating to WebSphere Process Server also provides a perfect opportunity to reevaluate legacy processes and leverage the new features of the platform to optimize these processes in accordance with business objectives. To help customers make the transition to WebSphere Process Server, IBM provides enhanced migration tools and extended entitlements to help protect your WebSphere investments and minimize operating costs.

With a proven migration methodology backed by a world-class services organization and strong IBM Business Partner support, WebSphere Process Server provides a natural roadmap for your existing heritage implementations, enabling you to extend the value of your WebSphere investments while running critical business processes securely, consistently, and with transactional integrity.

Introduction: Toward a migration strategy

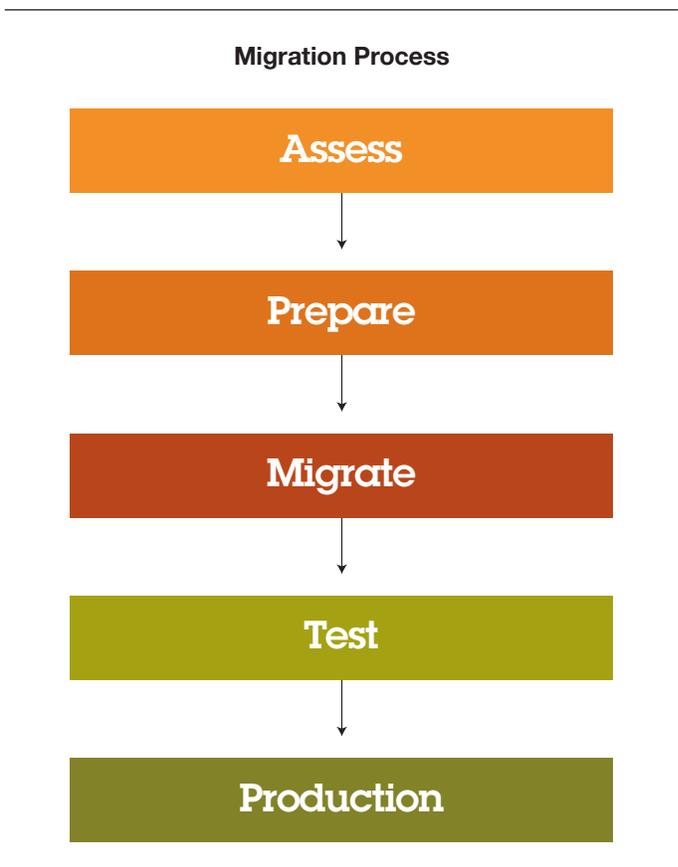
For years, organizations have relied on heritage SOA and BPM products from IBM—WebSphere Business Integration Server Foundation, WebSphere MQ Workflow, and WebSphere InterChange Server, including versions of those products bundled as part of WebSphere Business Integration Server and WebSphere Business Integration Server Express. They've used *WebSphere Business Integration Server Foundation* to provide a standards-based integration platform for natively building and deploying composite business process applications, including those with Java components. They've

used *WebSphere MQ Workflow* to automate long-running business process workflows with advanced human interactions, enabling robust closed-loop BPM solutions and business process workflow integration. They've used *WebSphere InterChange Server* to coordinate and synchronize business process activities between packaged or existing applications on diverse platforms.

The capabilities of these three products have long been rolled into a single IBM solution, *WebSphere Process Server*, which is a proven, market-leading, integrated platform for all SOA-based process automation and business process management activities. This consolidated solution offers one integrated programming model and development environment, combining IBM's flagship process integration features on a common Java application server runtime.

While WebSphere Process Server combines the capabilities of its three predecessor products, it is more than the sum of those individual parts. It provides many new features in addition to existing features that are more powerful and easier to use, including:

- The ability to flexibly handle complex system-to-system interaction to facilitate straight-through processing.
- Business rules and event sequencing capabilities that can be used to change the process on the fly to react to changing business conditions.
- The ability to manage short- and long-running transactions and human workflow capabilities (including rollback when necessary) to handle exceptions and escalations.



IBM provides a proven migration methodology to help guide customers through the migration process.

With end-of-service dates of April 2012 having been announced for WebSphere Business Integration Server Foundation, WebSphere Business Integration Server, and WebSphere Business Integration Server Express, now is the time to begin planning your migration to WebSphere Process Server.

This white paper provides an overview of WebSphere Process Server and outlines the benefits of migrating to WebSphere Process Server from WebSphere heritage products. It highlights the features and capabilities that IBM WebSphere Process Server provides to facilitate the migration process, and it describes IBM's extended entitlement offering. Finally, it describes the IBM migration methodology and the IBM resources that are available to help organizations migrate successfully to WebSphere Process Server, including assessment workshops, custom roadmaps, and implementation services.

The benefits of migration

WebSphere Process Server is a high-performance business engine that can give organizations the agility to design, automate, and manage the processes that meet their business goals. By migrating from a WebSphere heritage platform to WebSphere Process Server, organizations can take advantage of enhancements that accelerate time to value and drive significant cost savings.

Extended business process capabilities

WebSphere Process Server delivers extended business process capabilities, including microflows (or service orchestrations within a single transaction), compensation, built-in event handling, and advanced human task handling, including adding ad-hoc tasks. It also provides business state machine and business rule capabilities, as well as new support for adapters, mediation flows, interface maps, business object maps, relationships, and dynamic service selection.

WebSphere Process Server provides Eclipse-based tooling and enables native integration with Java programs, standard web services, and messaging infrastructures. It also provides an out-of-the-box Web 2.0 business user client.

WebSphere Process Server includes WebSphere Enterprise Service Bus, which exposes existing applications and data as new business services without impacting the current IT environment—connecting disparate resources and maximizing reuse of your assets, regardless of vendor or platform. IBM also offers industry assets and accelerators like our WebSphere Industry Content Packs, a set of prebuilt industry specific accelerators for the WebSphere Business Process Management (BPM) offerings including WebSphere Process Server.

One integrated tool for BPM development

Migrating to WebSphere Process Server empowers organizations to deliver higher quality solutions at a lower cost with a single integrated tool for assembling end-to-end process

integration. WebSphere Integration Developer is the user-friendly authoring environment that provides a unified interface across a full suite of WebSphere and IBM Rational® tools, enabling a streamlined development approach for process design, business rules, human workflow, adapter configurations and more.

Based on Eclipse technology, WebSphere Integration Developer enables you to define orchestrations between processes, construct mediations between services, and integrate capabilities that were previously hidden within packaged business applications. With WebSphere Integration Developer, BPM developers have access to a complete toolbox for building composite applications, including an assembly editor for overall solution assembly, and intuitive and efficient drag-and-drop options that help accelerate development.

New opportunities to optimize

Business process requirements are constantly evolving, which means that, over time, processes that once served the business well may no longer be as effective and may not meet the changing needs of the business. Yet there never seems to be an opportune time to stop and revisit them. Migrating to WebSphere Process Server is the perfect opportunity to reevaluate existing business processes and to optimize them to better meet today's needs and accommodate emerging business trends. In this way, migration can be leveraged as a valuable business opportunity—a chance to assess current processes, then leverage the new features of the platform to optimize these processes to not only meet but exceed business

objectives, laying a foundation for more flexible change in the future. Taking this opportunity to optimize processes contributes to the overall business and technical value of the solution, increasing your return on investment.

Facilitating the migration process

To help customers make the transition from WebSphere heritage products to WebSphere Process Server, WebSphere Integration Developer provides migration tools that convert source artifacts from the previous platform to WebSphere Process Server. These tools include migration wizards for WebSphere Business Integration Server Foundation, WebSphere InterChange Server and WebSphere MQ Workflow. The output of these migration wizards supports WebSphere Process Server service components such as human tasks, business object maps, and relationships.

With the latest version of WebSphere Process Server, IBM provides a number of substantial product enhancements designed to streamline the migration process for WebSphere heritage product customers. These enhancements make the migration process easier and more efficient than ever. For example, the solution provides improved workflow migration for WebSphere Business Integration Server Foundation and WebSphere MQ Workflow, enabling higher levels of reuse. WebSphere Process Server also provides functionality and APIs that enable customers to migrate running process instances from the heritage platform to the new layout.

For customers migrating from WebSphere InterChange Server, migration support enhancements in WebSphere Process Server include improved store and forward capabilities, better system health monitoring, and performance parity for migrated code. The latest software version is specifically designed to help reduce the complexity of the migration and help improve runtime performance. Selective migration facilitates the migration of large repositories, and more flexible migration rules result in fewer migration errors.

Protecting your WebSphere investments

For IBM, protecting customers' past investments in IBM integration software is a high priority, which is why IBM enables customers to extend their existing entitlements on WebSphere heritage products to include WebSphere Process Server during the migration process without incurring additional cost. Extended entitlement helps customers get access to and support for both their currently entitled heritage products and the newly entitled products while paying support and subscription fees only for one set of products (runtime and tooling) until certain milestones occur. For more information, see IBM's entitlement guidelines for WebSphere Process Server at: ibm.com/software/integration/wps/library/entitlement.html

Once WebSphere Process Server is in production, existing licenses for WebSphere Business Integration Server Foundation, WebSphere InterChange Server, and WebSphere MQ Workflow can be converted to WebSphere Process Server.

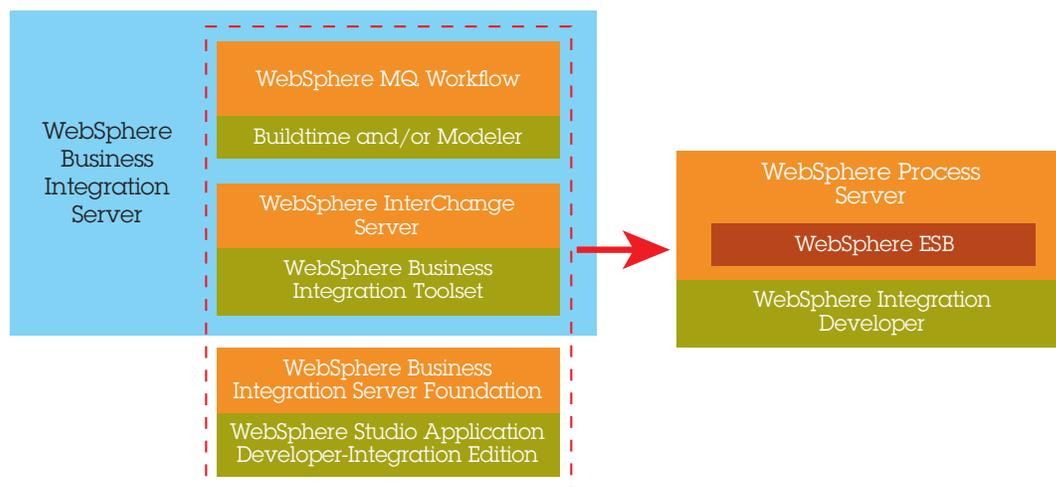
A proven migration methodology

WebSphere heritage customers who are ready to begin developing a migration strategy to WebSphere Process Server have a wealth of IBM resources to draw upon. IBM offers a proven migration methodology to guide customers through the process, backed by a world-class services organization that can provide the appropriate level of support for each organization. From initial assessment and roadmap planning through testing and implementation, IBM has the expertise to help ensure successful migration to WebSphere Process Server.

The IBM migration methodology is constructed of five discrete phases:

- **Assessment**, including project scoping, risk assessment, high-level planning and recommendations, and estimating project costs and time.
- **Preparation**, which includes more detailed planning, including refining estimates, planning resources, and identifying work activities.
- **Migration**, which includes code migration, skills migration, and migration of the development environment.
- **Testing**, including regression testing and performance testing/tuning.
- **Rollout to production**, ensuring the successful transition of operations from development/test to production.

IBM WebSphere Process Server



IBM WebSphere Process Server combines the capabilities of its three predecessor products in a single, SOA-based, next-generation solution.

IBM has developed a number of tools to help facilitate the migration process, starting with the first phase of the migration methodology—assessment. For example, customers migrating from WebSphere Business Integration Server Foundation can take advantage of a quick assessment migration evaluation offered by IBM. With this quick assessment, IBM facilitates a question-and-answer session, to be conducted over the phone or onsite, in the span of an hour or two. The question-and-answer session enables a high-level evaluation of the impact of migrating from WebSphere Business Integration

Server Foundation to WebSphere Process Server. The results of the assessment, which can be reviewed via conference call or onsite, include not only the high-level estimate of the effort of the migration, but also the impact on the business and recommendations for next steps.

A natural migration path

Through WebSphere Process Server, IBM provides a natural migration path for your existing WebSphere heritage implementation, enabling you to extend the value of your WebSphere investments while running critical business

processes securely, consistently, and with transactional integrity. WebSphere Process Server provides end-to-end capabilities to help orchestrate, mediate, connect, map and deploy processes. WebSphere Process Server then adds value and simplifies deployment by helping organizations standardize, integrate, and manage the performance of processes on a unified platform.

This combined approach of BPM enabled by SOA is designed to reduce complexity, ease management and improve business agility. WebSphere Process Server can give your organization new levels of business process flexibility, allowing you to respond quickly and efficiently to changing business requirements in a way that creates differentiation in the marketplace.

For more information

To schedule a migration assessment workshop or to learn more about the migration process, contact your IBM sales representative. To learn more about WebSphere Process Server, visit: ibm.com/software/integration/wps

To learn more about the support life cycle for WebSphere heritage products, visit: ibm.com/software/websphere/support/lifecycle

To learn more extended entitlements for WebSphere heritage products, visit: ibm.com/software/integration/wps/library/entitlement.html

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