



WebSphere® software

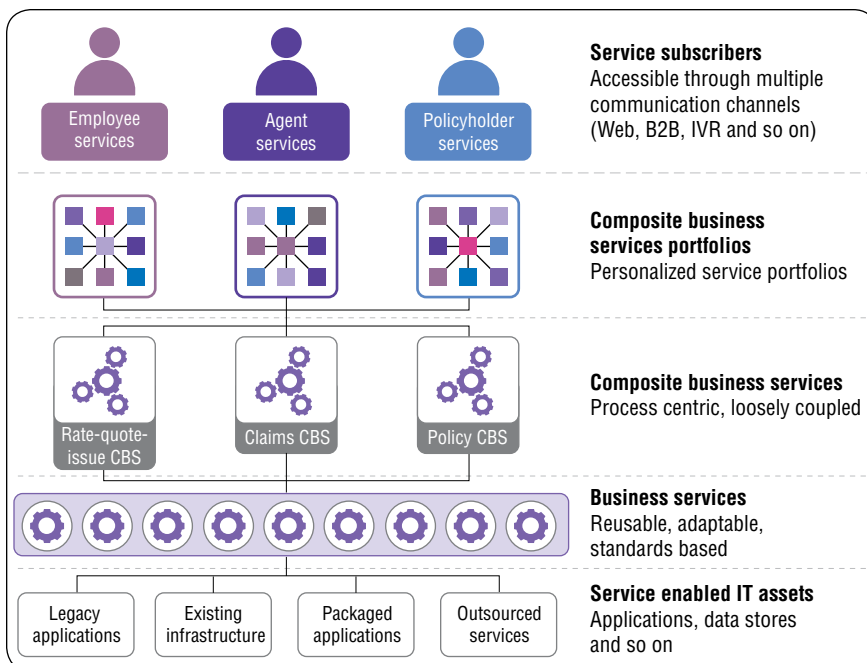
# IBM WebSphere Business Services Fabric, Version 6.0

## Highlights

- **Delivers the industry's first end-to-end SOA platform to model, assemble, deploy, manage and govern composite business services**
- **Enables policy-driven, dynamic business service personalization and delivery based on the context, content and contract of the service request**
- **Provides lifecycle management of business services**
- **Offers optional IBM industry content packs to reduce time to market for industry SOA solutions**
- **Multi-author, multi-geography collaborative composite business service design, assembly and delivery**
- **Automates and controls multi-entity and multi-domain entitlement of business services for service consumers**
- **Includes WebSphere Process Server and WebSphere Integration Developer software for the composition and deployment of flexible, service-oriented business processes**

More and more organizations are adopting service-oriented architecture (SOA) as a way to improve business agility, drive innovation and make the most of their IT investments. The composite business services (CBSs) in an SOA help organizations gain that flexibility by leveraging distributed, loosely coupled business-level services that are exposed from existing systems and third-party IT assets. However, without the right solutions in place to assemble, deploy and govern composite business services, many organizations can miss out on the true value promised by SOA.

The IBM WebSphere® Business Services Fabric provides an end-to-end SOA platform to model, assemble, deploy, manage and govern composite business services. It provides the design-time tooling, run-time environment, industry reference models and prebuilt SOA assets to enable rapid development of loosely coupled, industry-focused composite business services. Using the IBM WebSphere



Business Services Fabric, business-level services can be assembled into extended, cross-enterprise business processes and solutions that are dynamically personalized and delivered based on the business context of the service request. IBM WebSphere Business Services Fabric allows you to:

- *Transform rigid business processes into more agile solutions by flexibly adapting their behavior using business-level policies and metadata.*
- *Deliver the appropriate functionality to service consumers based on the context, content and contract of the service request.*
- *Incrementally transform core business processes to be more efficient with reduced manual processing.*
- *Develop highly personalized partner collaboration solutions that simplify business activities and reduce exceptions and delays.*
- *Rapidly enable multichannel service delivery, providing higher service levels and lower customer support costs.*
- *Realize cost savings through significant IT asset reuse for new composite business services.*
- *Deploy new products quickly with automated service entitlement capabilities to increase scalability and lower support costs.*

To accelerate deployment of new industry SOA solutions, IBM WebSphere Business Services Fabric is available with optional industry content packs. These packs consist of prebuilt industry SOA content and integrate seamlessly with the IBM WebSphere Business Services Fabric to provide an enhanced industry-specific SOA platform that retains configurability, flexibility and extensibility for individual client needs.

### **Helping to increase business responsiveness**

Using IBM WebSphere Business Services Fabric, you can enable a loosely coupled, service-oriented architectural model in which small pieces of application functionality are published, consumed and combined with other applications into composite solutions. As a result, you'll see greater business agility and responsiveness while extending current IT investments. And because IBM WebSphere Business Services Fabric is designed for extensibility and scalability, you can publish a single service that can then grow incrementally into a larger business service ecosystem that includes services from partners, suppliers and other third parties.

### **Achieving greater flexibility**

The IBM WebSphere Business Services Fabric enables dynamic business service adaptation and delivery through the use of business service metadata and policies that eliminate or reduce hardcoded service bindings in enterprise service bus (ESB), Business Process Execution Language (BPEL) and business-to-business (B2B) connections. This approach gives you more flexibility to change service behavior across business processes and disparate IT systems based on the content, context and contract of the service request. It also provides the flexibility to personalize service delivery through multiple communication channels such as the Web, B2B and interactive voice response (IVR) systems.

### **Managing the lifecycle of business services**

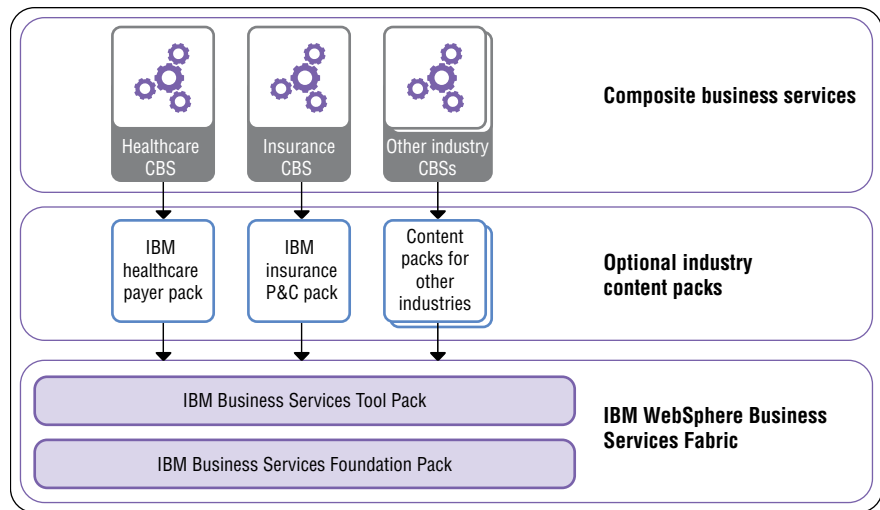
IBM WebSphere Business Services Fabric is a standards-based platform that helps you manage the lifecycle of business-level services and makes their development and deployment simpler, faster and business driven. Lifecycle management capabilities include the ability to source, model, assemble, deploy, manage and govern local and remote business services from service discovery to retirement. This helps architects and business users achieve, assure and govern practical loose coupling and interoperability across heterogeneous IT environments affected by ongoing change.

## Taking advantage of prebuilt industry

### SOA content

To speed time to market for new industry SOA solutions, the IBM WebSphere Business Services Fabric is available with optional industry content packs. Currently available for the healthcare and insurance industries,\* these packs include valuable industry common services and reference industry models to simplify interoperability between IT systems and partners, facilitate service reuse and drive industry standards compliance. Examples of industry SOA content contained in these packs include:

- **Industry common services** to speed time to market with precertified and tested horizontal infrastructure services that are frequently reused in industry SOA solutions.
- **Industry semantic models** to simplify interoperability by defining the common language to use between disparate IT assets. These prepackaged industry-specific vocabularies are expressed as an extensible ontology to meet the evolving needs of each organization.
- **Industry message models** to help standardize messages and transactions between IT systems and partners and to drive industry standards compliance.
- **Industry service models** to help define business service metadata across industry business processes and to accelerate the definition and development of business service policies.



### Utilizing an end-to-end platform for composite business services

The IBM WebSphere Business Services Fabric consists of two complementary software packs: the IBM Business Services Foundation Pack and the IBM Business Services Tool Pack. These packs work together to simplify the business, technology, security, governance and process interoperability issues associated with business services in an SOA. To help ensure a robust and extensible SOA platform, IBM WebSphere Business Services Fabric includes IBM WebSphere Process Server and IBM WebSphere Integration Developer software for the composition and deployment of flexible, service-oriented business processes.

The IBM Business Services Foundation Pack offering provides the integrated run-time and manage-time environment, and includes:

- **IBM WebSphere Process Server.** A comprehensive environment for SOA-based process automation.
- **Business Services Dynamic Assembler.** Enables dynamic service assembly and service behavior adaptation based on content, context and contract through a highly scalable, policy composition and semantic mediation engine.
- **Business Services Repository.** A standards-based, enterprise SOA metadata repository for business service descriptions, ontologies, subscribers and policies. It enables the rich description, discovery and federation of data across service registries, repositories and Lightweight Directory Access Protocol (LDAP) systems.



- **Business Services Subscriber Manager.** Controls and automates entitlement of business services for subscribers. It enables the creation, control and management of service portfolios for subscribers across a business ecosystem and integrates with leading security and identity management products.
- **Business Services Governance Manager.** Provides end-to-end governance of business services through the design, run-time, deployment and management stages.
- **Business Services Performance Manager.** Provides visibility and monitoring of service-oriented processes and applications. This module includes multiperspective views and enables drill-down analysis of business-level events and exceptions.

The IBM Business Services Tool Pack offering provides the design-time environment and tools, and includes:

- **IBM WebSphere Integration Developer.** Provides a complete toolbox for assembling and integrating composite solutions.
- **Business Services Composition Studio.** Enables domain-experienced software architects to model, create, publish and manage industry-specific service metadata models and policies around data, processes, resources and domains.

The IBM WebSphere Business Services Fabric also requires the use of IBM WebSphere Service Registry and Repository to help facilitate service discovery, reuse and lifecycle governance.

#### For more information

To view system requirements for the IBM WebSphere Business Services Fabric, visit:

[ibm.com/software/integration/wbsf/sysreqs/](http://ibm.com/software/integration/wbsf/sysreqs/)

To learn more about the IBM WebSphere Business Services Fabric, visit:

[ibm.com/software/integration/wbsf/](http://ibm.com/software/integration/wbsf/)

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U.S.A.

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10-06  
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\* Additional industry packs for banking, telecommunications and other industries are currently under development.