



WebSphere® software

IBM WebSphere Business Services Fabric for z/OS, Version 6.0.2

Highlights

- ***Helps combine business-level services into extended, cross-enterprise business processes and solutions***
- ***Allows rapid assembly of flexible, responsive service-oriented business solutions***
- ***Provides the flexibility to change process and service execution behavior across business processes and disparate IT systems***
- ***Enables a fast and easy way to manage the life cycle of business services***
- ***Helps reduce time to market for creating industry-focused service-oriented business solutions***
- ***Helps simplify your business, technology, security, governance and process interoperability challenges***
- ***Enables fast delivery of business process innovation and change***

Aligning your business and IT goals

Built on disparate technologies, today's combinations of legacy, packaged and custom applications are challenging enterprise client environments. High IT maintenance costs and rigid business processes result in diminished agility for line-of-business (LOB) staff to meet marketplace demands, causing delays in the delivery of products and services. In this environment, it's almost impossible for organizations to reasonably and cost-effectively compete while adapting to changing marketplace demands.

That's why organizations are turning to service-oriented architecture (SOA) and business process management (BPM) to improve business agility, drive innovation and extract the most from their IT investments. By using SOA and BPM, you can align your business goals and IT execution through the use of business services. These business services can be joined in logical collections and groupings of distributed, loosely coupled, business-aligned services that can expose information and functionality from existing systems and third-party IT assets.

Launching your business services from the right platform

Because the costs resulting from system failures can be incredibly expensive, resiliency is critical. As a result, many enterprises have chosen the IBM System z™ mainframe as their deployment platform for critical applications. And now companies that have taken advantage of the mainframe's stability and reliability can run the IBM WebSphere® Business Services Fabric solution for the IBM z/OS® operating system on System z technology.

IBM WebSphere Business Services Fabric for z/OS software provides an SOA platform to model, assemble, deploy, manage and govern business services. It provides the design-time tooling, run-time environment and optional prebuilt industry SOA content to help you build more flexible and responsive business solutions on your BPM platform.

Using the WebSphere Business Services Fabric for z/OS platform, business-level services can be combined into extended, cross-enterprise business processes and solutions that are dynamically personalized and delivered based on the business context of the service request. This can help your organization:

- *Manage dynamic business processes using business services.*
- *Enable rapid response to changing business and marketplace needs.*
- *Facilitate cost savings by assembling, reusing and repurposing IT assets.*
- *Reduce manual processing in core business processes to increase efficiencies.*
- *Develop highly personalized, collaborative solutions that simplify business activities and reduce exceptions and delays.*
- *Increase scalability and lower support costs in rollouts and activations.*

WebSphere Business Services Fabric for z/OS software can deliver dynamic BPM capabilities for your organization and allow you to abstract business policies and metadata from your business processes and associated reusable business services. This platform also enhances and extends key BPM focus areas with process design, execution and monitoring capabilities, enabling you to preserve high-level process simplicity while increasing component reuse.

Helping to increase business responsiveness

Using WebSphere Business Services Fabric for z/OS software, you can enable an SOA model in which loosely coupled services are tied together and application functionality is published, consumed and combined with other applications into composite solutions. As a result, you can enable greater business agility and responsiveness while extending current IT investments and taking advantage of the processing power of the System z mainframe to assemble new and innovative business solutions. And because WebSphere Business Services Fabric for z/OS software 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.

That's why WebSphere Business Services Fabric software supports multiple languages, enabling you to use your business services across geographies in the appropriate language. Among the languages supported are English, French, Italian, German, Spanish, Brazilian Portuguese, Japanese, Korean, simplified Chinese and traditional Chinese.

Achieving greater business process flexibility

WebSphere Business Services Fabric for z/OS software enables dynamic business service behavior, performance and solution delivery through business service metadata and business policies that can reduce and often eliminate hard-coded service bindings in various enterprise service bus (ESB), Business Process Execution Language (BPEL) and business-to-business (B2B) connections. This approach gives you more flexibility to change process and service execution behavior across business processes and disparate IT systems. 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 life cycle of business services

WebSphere Business Services Fabric for z/OS software is a standards-based platform that helps you manage the life cycle of business-level services and make their assembly and deployment simple, fast and business driven. Our life-cycle management capabilities include the ability to source, model, assemble, deploy, manage and govern local and remote business services from service discovery to retirement. These capabilities help architects and business users achieve, ensure and govern practical loose coupling and interoperability across heterogeneous IT environments affected by ongoing change.

Taking advantage of prebuilt industry-relevant SOA content

To improve time to market for new industry SOA solutions, the WebSphere Business Services Fabric for z/OS solution is available with optional industry content packs. Designed for the healthcare, insurance, banking and telecommunication industries,* these packs include prebuilt SOA content that can accelerate business services delivery, simplify interoperability, improve business services consistency and quality, and facilitate service reuse. These packs consist of the following assets:

- *Reference business services templates that include definitions of business assertions, business roles and business channels and that are based on the industry business glossary*
- *An industry business glossary that presents a taxonomy of industry terms, with associated relationships and properties*
- *Industry-standards-based data types and Web service interfaces that enable interoperability across disparate systems in the enterprise ecosystem*
- *Industry common services that can speed the delivery and assembly of service-oriented business solutions*
- *An industry business object model that can be used as a semantic model for the design and development of service-oriented business solutions*
- *Knowledge assets that can accelerate consumability and extensibility of the prebuilt SOA content packaged in industry content packs*

In addition, IBM offers a range of optional industry content packs:

- *IBM Insurance P&C Pack for WebSphere Business Services Fabric software focuses on the property and casualty LOBs for insurance enterprises.*
- *IBM Healthcare Payor Pack for WebSphere Business Services Fabric software focuses on the payor processes in healthcare enterprises.*
- *IBM Banking Payments Pack for WebSphere Business Services Fabric software focuses on payments capabilities of financial services enterprises.*
- *IBM Telecom Operations Pack for WebSphere Business Services Fabric software focuses on billing, fulfillment and assurance operations for telecommunications service providers.*

Using an end-to-end platform for business services

Organizations that have identified the value of using business services are beginning to assemble them into service-oriented business solutions by connecting and configuring them to span organizations, customers, partners and suppliers. These solutions are then used in process execution within WebSphere Business Services Fabric for z/OS software.

The WebSphere Business Services Fabric for z/OS solution consists of the IBM Business Services Foundation Pack and the IBM Business Services Tool Pack, which help simplify the business, technology, security, governance and process interoperability challenges associated with business

services using SOA. To help ensure a robust and extensible SOA end-to-end platform, WebSphere Business Services Fabric for z/OS software requires IBM WebSphere Process Server software for the deployment of flexible, service-oriented business processes.

Additionally, the Business Services Foundation Pack provides integrated assemble-time, run-time and manage-time environments, including:

- *Support for the integration and automation of enterprise business processes as SOA business services.*
- *A highly scalable service personalization and semantic services engine.*
- *Maintenance of business service metadata and the integration into and leveraging of IBM WebSphere Service Registry and Repository software.*
- *Support and consoles to control and automate business service entitlements.*
- *Business services visibility and monitoring.*
- *Navigation and visual hierarchies and dependencies to monitor business-level services agreements for business services execution and metering.*

The WebSphere Business Services Fabric for z/OS solution requires the use of WebSphere Service Registry and Repository software—also available on the z/OS platform—to help facilitate SOA service discovery, reuse and life-cycle governance.



Benefiting from dynamic BPM capabilities on a premier SOA platform

When your processes are becoming more complex and you experience frequent changes in your business model and an increase in the volume of process changes, you need to react quickly. With WebSphere Business Services Fabric for z/OS software, you can. Whether your organization is regional or international, WebSphere Business Services for z/OS software can provide the flexibility and responsiveness you need to dynamically adapt processes to your changing business needs.

These changes can result from adding new geographies or regions, providing new channels of communication to your customers, introducing new products, moving into new customer marketplaces or initiating process behavior personalization based on business context. WebSphere Business Services Fabric for z/OS software can help accommodate your company's shifting business needs and future growth by rapidly deploying new service-oriented business solutions that can provide fast business process innovation and change.

For more information

To learn more about IBM WebSphere Business Services Fabric for z/OS software, contact your IBM representative or visit:

ibm.com/software/integration/wbsf/sysreqs

and

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* Additional industries are currently under development.