IBM WebSphere Business Services Fabric for z/OS, Version 6.1

Highlights

■ *Comprehensive SOA offering that extends the IBM BPM platform to assemble and manage composite business applications*

■ *Flexibility to change processes and service execution behavior across multiple business processes and disparate IT systems*

■ *Policy-driven business services to provide customized business functionality based on changing business contexts*

■ *Faster process change and easier ongoing maintenance with business-level policies stored in a centralized location*

■ *Ability to abstract previously fragmented and embedded business logic into reusable business services that are easy to publish, discover and modify*

■ *Based on industry and technical standards to increase the consistency, reliability and quality of composite business applications*

■ *Optional industry content packs to accelerate the deployment of industry-specific composite business applications*

Aligning your business and IT goals

Today's combinations of existing, packaged and custom applications are creating a challenging enterprise client environment. Business logic is fragmented and embedded in multiple locations, making process change difficult and time consuming. High IT maintenance costs and rigid business processes result in diminished agility for line-of-business (LOB) staff to meet changing business needs and mounting competitive pressures. This lack of agility causes delays in the delivery of products and services and hinders business model innovation.

That's why organizations are turning to business process management (BPM) enabled by service oriented architecture (SOA) to improve business agility and flexibility, speed time to market for new products and services, and reduce cost through reusing and repurposing IT assets.

By using BPM enabled by SOA, you can align your business goals and IT execution through the use of composite business applications (CBAs). These loosely coupled applications are assembled from business services, which represent policy-driven, reusable business-level building blocks that are customized based on business and user context. Business services are exposed information and functions from existing systems and third-party IT assets, joined together and dynamically run based on the user or system request. To gain the true value of CBAs in an SOA, organizations need to use business services on the right BPM platform.

Extending BPM Enabled by SOA with composite business applications

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 extends the IBM BPM enabled by SOA platform to enable faster process change and easier ongoing maintenance for organizations

experiencing frequent process changes and high variability in their process models. It offers the design-time tooling, runtime environment and optional prebuilt industry SOA accelerators to help you build more flexible and responsive composite business applications. This comprehensive SOA offering allows you to:

- *Assemble and manage modular and flexible composite business applications*
- *Enable application behavior to be dynamically customized based on the context, content and contract of the service request*
- *Manage and govern the life cycle of business services, the focal point to flexibly align business and IT*
- *Provide faster process change using business policies and metadata that business people can more easily understand and modify*
- *Accelerate industry-specific CBA deployment with industry content packs containing prebuilt SOA accelerators based on industry and technical standards*

WebSphere Business Services Fabric for z/OS allows you to abstract previously fragmented and embedded business logic into reusable business services that are easy to publish, discover and modify. These capabilities enhance and extend your BPM platform, enabling you to achieve high-level process simplicity while increasing component reuse.

Increasing business agility

Using WebSphere Business Services Fabric for z/OS, you can assemble and manage composite business applications, in which loosely coupled business services are published, consumed and combined with other applications. As a result, you can achieve 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 is designed for extensibility and scalability, you can publish a single service that can then grow incrementally by incorporating new services from partners, suppliers and other third parties into a central location for easy search, discovery and reuse.

To support several geographies and business locations, WebSphere Business Services Fabric for z/OS is available in multiple languages, enabling you to use your business services across different work locations around the world. 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 selection and customized service delivery through its design-time and runtime capabilities. This robust software abstracts embedded business logic into business-level policies and metadata that are stored in one centralized location, reducing and often eliminating hard-coded service bindings in various enterprise service bus (ESB), Business Process Execution Language (BPEL) and business-to-business (B2B) connections. This approach makes it easier and faster to change processes and service execution behavior across multiple business processes and disparate IT systems. Dynamic service selection offers the flexibility to customize 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 provides a standards-based offering to help you manage the life cycle of business 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 loose coupling and interoperability across heterogeneous IT environments.

Enabling high levels of dynamic capabilities

Organizations that have identified the value of using business services are beginning to assemble them into composite business applications by connecting and configuring them to span organizations, customers, partners and suppliers. WebSphere Business Services Fabric for z/OS consists of the IBM Business Services Foundation Pack to help simplify the business, technology, governance and process interoperability challenges associated with business services in an SOA. The IBM Business Services Foundation Pack provides integrated runtime and management capabilities including:

- *A highly scalable, dynamic service-selection and delivery engine based on business and user context.*
- *Centralized repository to store business services and business-level policies in conjunction with IBM WebSphere Service Registry and Repository.*
- *Management, control and automation of business service entitlements for service subscribers.*
- *Business-services visibility and monitoring to manage performance.*
- *Navigation and visualization hierarchies and dependencies to allow for easier impact analysis of change.*

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

Taking advantage of prebuilt, industry-specific SOA accelerators

To improve time to market for new, industry-specific composite business applications, WebSphere Business Services Fabric for z/OS 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; and improve the consistency, reliability and quality of composite business applications. These packs consist of the following assets:

- *Capability and process maps that provide industry-specific content and process decompositions to enable top-down visibility into the business*
- *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 composite business applications*
- *An industry business object model that can be used as a semantic model for design and development of composite business applications*
- *Knowledge assets including documentation and sample implementation scenarios to assist in the consumption and extension of the assets included in the content pack*

IBM offers a range of optional industry content packs that include the following:

- *IBM Insurance Property & Casualty (P & C) Content Pack for WebSphere Business Services Fabric for z/OS software focuses on P & C insurers.*
- *IBM Healthcare Payor Content Pack for WebSphere Business Services Fabric for z/OS software focuses on the payor processes in healthcare enterprises.*
- *IBM Banking Payments Content Pack for WebSphere Business Services Fabric for z/OS software focuses on payments capabilities of financial services enterprises.*
- *IBM Telecom Operations Content Pack for WebSphere Business Services Fabric for z/OS software focuses on billing, fulfillment and assurance operations for telecommunications service providers.*

New features in this release

WebSphere Business Services Fabric for z/OS, Version 6.1 offers enhanced consumability and ease of use, and improved concurrency with other WebSphere BPM software to support faster process change, easier maintenance, and increased levels of service reuse.

New features and capabilities include:

- *Enhanced business-level policy management focusing on increased expressiveness of policies, improved tooling for creating and managing policies, and better simulation of policies*
- *Simplified administration and interoperability with WebSphere Service Registry and Repository*
- *Greater concurrency with other WebSphere BPM software*
- *Better tooling for consumption of the assets in industry content packs*
- *Additional platform support for wider deployment options including new operating systems and new databases*
- *Support for Russian language*
- *System Modification Program/ Extended (SMP/E)-based installer for the z/OS platform to simplify installation*

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

ibm.com/software/integration/wbsf