

IBM WebSphere Data Integration Suite

Highlights

- ***Harness the power of corporate data to gain a 360-degree view of customers, suppliers, partners and operations***
- ***Ensure that the right data, fit for its specific purpose, is delivered to the right systems and people, at the right time***
- ***Pull it all together with a single technology platform and integrated product suite, with a single source for best practices, strategic direction and day-to-day support***

IBM WebSphere Information Integration

Organizations face an information challenge. Where is it? How do I get it when I need it in the form I need? What does it mean? What insight can I gain from it? Can I trust it? How do I control it? The list goes on, and the challenges grow unceasingly if businesses cannot ensure that they have access to authoritative, consistent, timely and complete information.

The IBM WebSphere® Information Integration platform integrates and transforms any data and content to deliver information you can trust for your critical business initiatives. It provides breakthrough productivity, flexibility and performance, so you and your customers and partners have the right information for running and growing your businesses. It helps you understand, cleanse and enhance information, while governing its quality to ultimately provide authoritative information. Integrated across the extended enterprise and delivered when you need it, this consistent, timely and complete information can enrich business processes, enable key contextual insights and inspire confident business decision making.

Integrating data of all types

Within the broad IBM Information Integration platform, IBM WebSphere Data Integration Suite, working hand-in-hand with the patented IBM Iterations® data integration methodology, supports integration of transactional, operational and analytical data, and provides a solid basis for expediting transactions, streamlining operations and supporting confident decision making. WebSphere Data Integration Suite provides an infrastructure for managing the massive volume, variety and velocity of data at the enterprise level, and for enhancing data quality, for the benefit of each department and each project around the globe.

The IBM approach to data integration helps you maximize the contributions of existing information technology resources, including systems for business process orchestration (BPO), customer relationship management (CRM), enterprise resource planning (ERP), supply chain management (SCM), business intelligence (BI) and analytics, electronic data interchange (EDI), Internet-based business and data warehouses.

A proven process

WebSphere Data Integration Suite addresses a broad data spectrum by integrating complex business transactions coming from customers and partners as well as operational information moving within the enterprise and the analytical data that supports critical business decisions. It supports a proven, three-phase process for data integration:

- *Understanding – automated data profiling and analysis to unlock the mystery of source data content and structure*
- *Cleansing – data quality enhancement to identify, correct, match, standardize and reconcile inaccurate or redundant data*
- *Transformation – data transformation and delivery to get data of any complexity from any sources, format it as required and deliver it to any targets, within or outside the enterprise, at the right time*

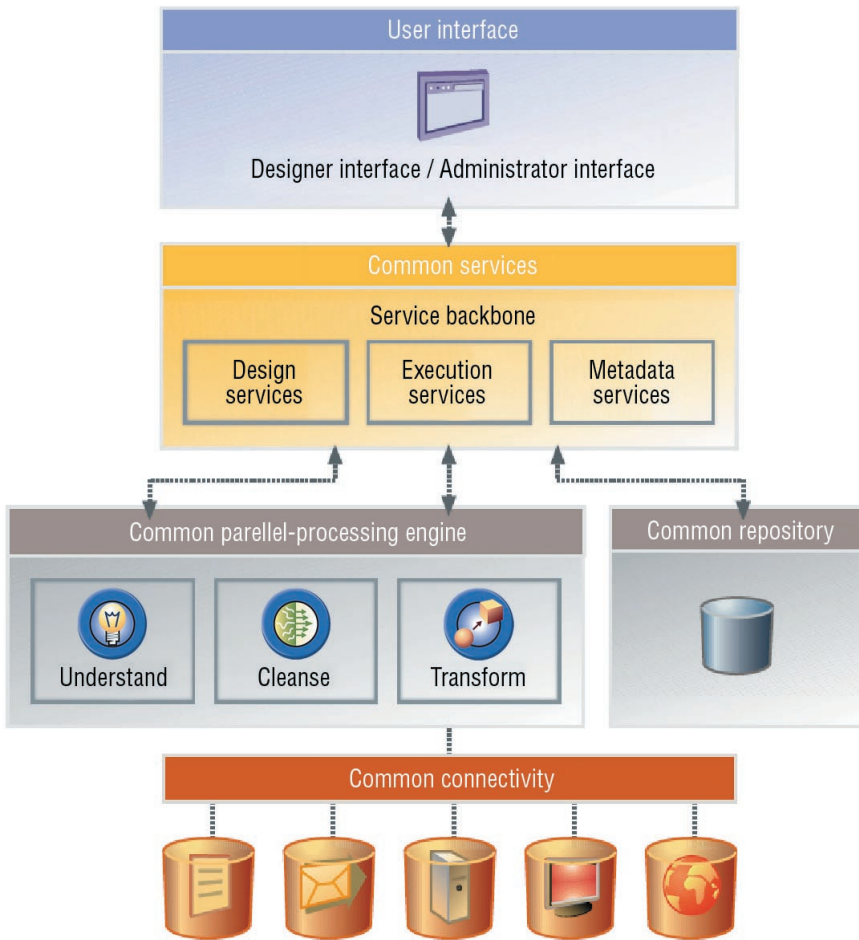
An integrated platform

This integrated offering is built on a core platform that offers:

- *Bi-directional, end-to-end management of metadata, including metadata from vendor software, for a clear, unambiguous definition and history of the data required for running a business – a critical need for risk management and compliance with the Sarbanes-Oxley Act, Basel II and similar corporate governance initiatives.*
- *Complete connectivity using best-of-breed technology between any data source and any data target, including enterprise and departmental applications, as well as multiple databases and middleware products, on platforms from desktops to mainframes. (See the companion data sheets IBM WebSphere DataStage® Packs: Connectivity for Enterprise Applications and IBM WebSphere Data Integration Suite Adapters: Connectivity to Enterprise Resources.)*
- *Unlimited scalability for managing massive volumes of corporate data through high-performance processing.*
- *On demand services for easy access to critical business information in a service oriented architecture (SOA), using technologies like Web services (Microsoft® .NET and Java™), Enterprise Java Beans (EJB) and Java Messaging Service (JMS).*

Managing complexity

Today's enterprise is a complex ecosystem, with multiple departments, divisions, locations and business processes, not to mention the customers, suppliers, and partners that extend corporate reach and complexity on a global scale. Under the covers, information technology infrastructure exhibits even more complexity, with multiple applications of all sizes, shapes and ages, multiple instances of the same applications, multiple databases, multiple computing platforms, and data in an endless array of structures and formats. Some of the most important transactional data is contained within hierarchical data structures, containing nests of repeating loops within loops within loops, so that identifying critical data for driving the business is a complex process indeed.



IBM Data Integration Suite high-level architecture

WebSphere Data Integration Suite is designed to address just such complexity:

- Unlike product suites that support operational or analytical data but leave the complex transactions to vendors, it addresses the full data spectrum.
- Unlike products that provide a tool-based approach to integrating some data, but leave the complex, hierarchical data transformation to custom programming, it addresses even highly complex data, reducing implementation time and greatly simplifying long-term management.

- Unlike products with performance that meets departmental needs but does not scale, it addresses performance through an infinitely scalable architecture.

A complete solution

WebSphere Data Integration Suite is a foundation element of a complete integration solution. Extending the information integration offering, not only does IBM offer a broader array of software products for other aspects of integration such as data federation and integration of unstructured information.

The IBM information integration solutions also go beyond software to provide the services you need to meet your own business objectives. The complete solution can include:

- Assistance with the application of a proven data integration methodology, so you won't miss a critical up-front step and later have to make up for this with extra time and effort.
- Sharing of expertise through training, best practices and mentoring, so your team can get up to speed quickly and gain experience that is critical to long-term maintainability.
- Assistance with the integration requirements of critical business initiatives such as infrastructure rationalization, master data management, business intelligence, risk and compliance, corporate portals, and business transformation.
- Support for key vertical initiatives such as Basel II in banking, trade compliance or SWIFT implementations for financial services; streamlined claims adjudication and U.S. Health Insurance Portability and Accountability Act (HIPAA) compliance for healthcare; and Global Data Synchronization and radio frequency identification (RFID) mandate compliance for consumer products manufacturers, retailers and distributors.
- Additional solution elements provided by appropriate IBM Business Partners, with expertise in the vertical industry or application area required.



Business benefits

WebSphere Data Integration Suite helps you achieve important business benefits, including:

- *Accelerated time to value for strategic business initiatives*
- *Risk reduction as the quality and auditability of business data improves*
- *Reduced costs as data redundancy is reduced and systems are streamlined*
- *Rapid response to standards-based mandates imposed by an industry or government*

For a strategic deployment across the enterprise or a tactical implementation for a specific project, you can lay the groundwork for long-term benefits by basing your internal integration architecture on WebSphere Data Integration Suite — designed for reuse, extensibility across the enterprise and adaptability to evolving integration requirements.

System requirements:

IBM WebSphere Data Integration Suite

WebSphere Data Integration Suite supports multiple operating systems, ranging from Microsoft Windows® to IBM AIX®, Linux®, HP-UX (PA-RISC and Itanium) and the Sun Solaris operating environment to IBM z/OS® for mainframes.

For more information

To learn more about the IBM WebSphere Data Integration Suite, refer to the companion data sheets listed below at <http://www-306.ibm.com/software/data/integration/library.html>.

- *IBM WebSphere ProfileStage™*
- *IBM WebSphere QualityStage™*
- *IBM WebSphere DataStage®*
- *IBM WebSphere DataStage TX*
- *IBM WebSphere DataStage Packs: Connectivity for Enterprise Applications*
- *IBM WebSphere Data Integration Suite Adapters: Connectivity to Enterprise Resources*

To learn more about other technologies and products behind the IBM WebSphere Information Integration platform, contact your IBM marketing representative or IBM Business Partner, or visit ibm.com/software/data/integration.

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