WebSphere software

IBM WebSphere DataStage TX Version 8.0

Highlights

- ***Take advantage of high-speed, high-volume complex data transformation without hand-coding or code generation***
- ***Use powerful, portable integration objects to enhance your integration architecture***
- ***Quickly integrate heterogeneous data types, applications and systems with one common methodology and design paradigm***
- ***Help reduce the costs and risks associated with complex business initiatives***

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.

Transformation and complex information challenges

Companies are driven by information, and the need to create valuable and ready access to information is critical. The ability to deal with data in its native form and to provide valuable enrichment of raw data is crucial to linking business systems and data stores with each other, and enabling a seamless flow among customers, operations, suppliers and partners.

Today's modern enterprise often has complex challenges to integration, which require the ability to handle complex, semistructured, interdependent and disparate data types. Even leveraging investments in integration platforms, companies far too often are left to manual or programmatic manipulation of complex data in order to "prepare it for integration use." Far too often, this results in high implementation and management costs, lost productivity, lack of data insight and single-purpose integration stovepipes. The consequence is a costly infrastructure, with heavy demands on IT staff and inability to allow IT systems to provide the full functionality that is required by the business users.

IBM WebSphere DataStage® TX software solves these complex data challenges to integration. Through its unique ability to speak to and process any data type in its native format, WebSphere DataStage TX tackles the most severe challenges in integrating systems and information across the enterprise.

A programming-free environment

WebSphere DataStage TX provides a unique, graphical user environment that allows integration designers to visualize complex data types in graphical form, and provide powerful data processing and manipulation capabilities. This programming-free method allows users to build processing and integration flows based on the business requirements, without programming model or common data model constraints. Users are able to construct integration and data processing objects through an easy-to-use, drag-and-drop interface, and deploy from the design, instead of coding under the design as far too many methods require. WebSphere DataStage TX allows users to integrate data of disparate types, from disparate sources, and can allow them to process their integration object natively in those environments . . . all without the need to know the programming languages of those environments.

Lower processing costs, providing greater capabilities

Some of the greatest integration and processing challenges for the enterprises revolve around the need to process many incoming data objects together, which results in many outputs. This "many-to-many" challenge has forced many organizations to resort to programming-based processing, or to have extremely high compute costs due to the need to handle each step of the many inputs separately, and then tie the results together on an output-by-output basis. In many cases, this challenge has resulted in companies building integration infrastructures that are nearly as costly as the systems that they integrate.

WebSphere DataStage TX is able to natively process many data inputs together, with a single read of the data, and to provide these combined input processes to many outputs in a single process. This unique ability can allow you to dramatically lower your processing costs, increase your processing throughput, and most importantly, provide powerful data integration, enhancement and processing capabilities that are available across your enterprise infrastructure.

Your environment, your data, your business

WebSphere DataStage TX can be deployed in your environment in the way that you need it to be. Through the WebSphere DataStage TX server's wide operating environment support, you can choose the optimal environment for your processing.

Further, WebSphere DataStage TX is available as an embeddable or stand-alone data transformation engine, providing its powerful processing capabilities to messaging infrastructures, applications, enterprise service bus, application servers and devices.

WebSphere DataStage TX is designed to deal with custom data and system types. From binary data, to hierarchical data, to semistructured, to mixed formats, and literally to ***any*** data, WebSphere DataStage TX provides data transformation and processing across the enterprise environment.

A powerful, proven solution

WebSphere DataStage TX is the data processing and data integration engine for some of the most demanding environments. From stock exchanges, to pharmaceuticals companies, to manufacturers, to insurance comanies to leaders in global commerce, WebSphere DataStage TX provides high-throughput, highly complex data processing capabilities in some of the most mission-critical applications in the world.

WebSphere DataStage TX, Version 8.0 at a glance

Components

- *WebSphere DataStage TX Server*
- *WebSphere DataStage TX Designer*
- *WebSphere DataStage TX Adapters (over 300 native and adapters available)*

Optional components

- *WebSphere DataStage TX SOA Edition*
- *WebSphere DataStage TX Launcher*
- *WebSphere DataStage TX Plug-in for WebSphere Business Integration Message Broker*
- *WebSphere DataStage TX industry packs (for example, Packs for Healthcare, financial services [SWIFT], electronic data interchange [EDI] and enterprise applications)*
- *WebSphere DataStage TX Trading Manager*

System requirements

- *Microsoft® Windows® 2000, 2003 Advanced Server*
- *Microsoft Windows XP Professional*
- *Sun Solaris 9, 10 operating environment*
- *IBM AIX®, Version 5.2, 5.3, 5.3L*
- *HP-UX 11 Version 1.1 and Version 2, PA-RISC, 11i Version 2 (Itanium)*
- *IBM z/OS® (Batch, IBM IMS™, IBM CICS® 1.3 and USS 1.4 and later)*
- *RedHat Linux® 3.0 Advance Server Edition*

This version of WebSphere DataStage TX is designed and tested to work with text data from English, Western European (Latin-1) languages and Japanese only. Using text from other languages may produce unexpected results.

For more information

To learn more about the technologies behind these IBM WebSphere Information Integration offerings, contact your IBM marketing representative or IBM Business Partner, or visit:

ibm.com/software/data/integration

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The IBM home page on the Internet can be found at **ibm.com**

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