

IBM WebSphere Information Integrator Classic Federation and Classic Event Publisher Version 8.2

Highlights

- **Connects mainframe data with the Internet, your client/server, tools or applications**
- **Extends the value of existing mainframe investments without requiring mainframe programming**
- **Accelerates project time-to-value for enterprise integration, data warehousing and e-business**
- **Minimizes dependence on scarce mainframe skills while leveraging ubiquitous SQL skills**

Access real-time information across the enterprise and beyond

As businesses replace manual processes with electronic processes and integrate processes horizontally, they must meet the challenge of finding, accessing, integrating, synchronizing and sharing a wide variety of information.

IBM® WebSphere® Information Integrator software gives companies real-time, integrated access to business information—structured and unstructured, mainframe and distributed, public and private—across and beyond the enterprise. It provides information integration middleware that offers a range of technologies—enterprise search, federation, transformation, data placement (including replication and caching) and data event publishing—to meet varied integration requirements. All offerings are built on a common platform and easily integrated with industry-leading analytical tools, portal environments, application development environments, messaging

middleware and business process software. Thus, WebSphere Information Integrator software helps organizations speed time-to-market for new applications, get more value and insight from existing assets and control IT costs.

Legacy asset integration—a critical component of your integration infrastructure

The IBM WebSphere Information Integrator portfolio provides critical components for your IBM z/OS® integration infrastructure. WebSphere Information Integrator Classic Federation for z/OS provides standard structured query language (SQL) integration of mainframe data sources.

WebSphere Information Integrator event publishing offerings use changed-data capture facilities that publish changes to IBM WebSphere MQ for use by applications, tools and message brokers. Together, these solutions deliver robust mainframe integration capabilities that address the needs of today's on demand environments.

WebSphere Information Integrator Classic Federation has multiple uses:

- Can deliver operational data to customer self-service environments. For example, using ODBC SQL, an insurance company connects its policy holders, medical providers and agents with IMS™, VSAM and DB2® accounting, policy and claims data through an interactive voice response (IVR) system and self-service Web sites.
- Connects e-commerce sites with current mainframe order-processing data. Using JDBC SQL with WebSphere Application Server, a catalog retailer connects its Web sales site with the mainframe Computer Associates CA-IDMS inventory data and critical shipping algorithms that also are used by its call-center order-processing applications.
- Integrates business intelligence systems with enterprise data. Using ODBC SQL, credit analysts evaluate dealer credit requests based on up-to-the-second operational data.

Robust, z/OS data integration leverages legacy assets and speeds time-to-market

WebSphere Information Integrator Classic Federation empowers real-time integration of your z/OS data with UNIX®, Microsoft® Windows® and Linux® platforms in Internet, client/server and

desktop environments. It provides excellent read/write data access and federation with transaction speed and enterprise scale. Using a metadata-driven approach, it dynamically translates SQL select/insert/update/delete statements into native data access commands that are optimized for each data source. Results are reformatted into standard relational row-column answer sets. The result is seamless integration of mainframe

data without specialized or proprietary programming.

Designed for enterprise workloads

Dynamic data integration is viable only if it handles your workload. WebSphere Information Integrator Classic Federation accesses mainframe data at transaction speed so that Web sites can service thousands of users and hundreds of transactions/second. WebSphere Information Integrator

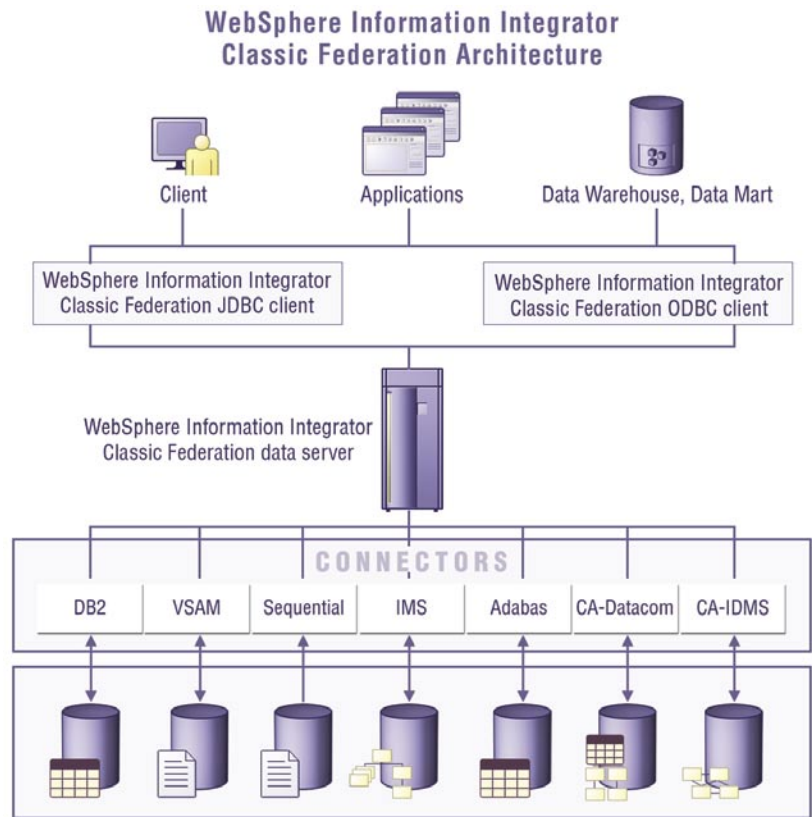


Figure 1: IBM WebSphere Information Integrator Classic Federation for z/OS provides SQL integration of mainframe data sources

Classic Federation has proven that it can handle large z/OS throughput requirements.

Building applications using WebSphere Information Integrator Classic Federation requires no main-frame programming and no legacy database skills. SQL-literate application developers using their existing reporting, development and portal tools are productive immediately—building everything from a simple read-oriented customer self-service Web site to a complex multi-database read/write e-commerce solution.

WebSphere Information Integrator Classic Federation is metadata driven. Tools and utilities automate the process of mapping legacy databases to logical relational tables and views using the physical definitions—IMS DBDs, CA-IDMS schemas and subschemas, Software AG Adabas Predict and COBOL Copybooks—that you already have. The power of SQL is then available for everything from a simple VSAM file to a complex IMS database.

Data event publishing facilitates business integration

WebSphere Information Integrator Information Integrator event publishing makes it easy to link data events

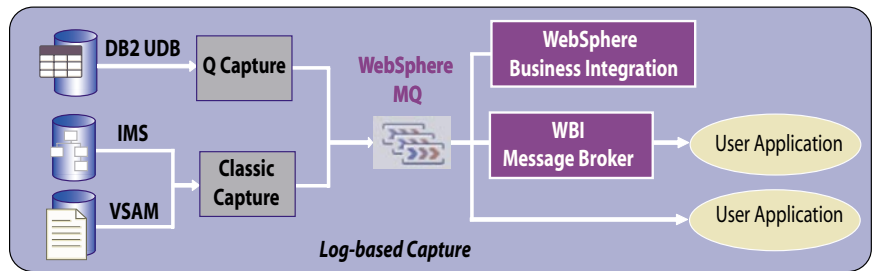


Figure 2: Event publishing captures changed-data events and publishes them as WebSphere MQ messages for other applications to use and drive subsequent processing

with business processes. Available with the WebSphere Information Integrator Classic Event Publisher family of products supporting IBM IMS (Information Management System), VSAM (Virtual Storage Access Method) and Advantage CA-IDMS/DB, it interoperates with similar capabilities provided with WebSphere Information Integrator Event Publisher for IBM DB2 Universal Database™ (UDB) for z/OS.

Changed-data events accelerate data warehousing, enterprise integration

Event publishing provides efficient changed-data publishing environments for the following scenarios:

- *Provide application-to-application integration that makes it possible to push operational customer data to a packaged customer relationship management (CRM) application*
- *Initiate business processes, such as a newly added customer record that*

could initiate a welcome e-mail, credit verification and updates to the CRM system

- *Monitor critical data events, such as low inventory levels that drive a product restocking workflow*
- *Feed a data warehouse, data mart or operational data store by pushing changed data to an extract, transform and load (ETL) product that then populates the data store*

Robust, real-time changed-data capture

WebSphere Information Integrator event publishing captures data changes. These changes are then packaged into a consistent relational format before being published to IBM WebSphere MQ as self-describing XML messages. These changed-data “events” can then be used by WebSphere Business Integration middleware or by a JMS-aware application, tool or message broker to drive subsequent processing. This loosely



coupled integration helps ensure that each application can be changed independently of every other application.

WebSphere Information Integrator Classic event publishers complement and extend client investments in service-oriented architecture, enterprise application integration and extract-transform-load infrastructure by:

- *Eliminating the hand coding typically required to detect data changes*
- *Removing data event capture overhead from the transaction path itself*
- *Providing a single integration point—the source data—for events that may be initiated by multiple applications, making the event capture independent of the applications and their evolution*
- *Making the data integration independent of the structure or processing flow of the applications involved*
- *Reducing latency for legacy data delivery through ETL tools*

Supported databases

WebSphere Information Integrator Classic Federation supports the following host databases:

- *Adabas, Version 7.1*
- *CA-Datcom, Version 10*
- *Advantage CA-IDMS/DB for z/OS, Versions 14.1 and 15*
- *DB2 UDB for z/OS, Versions 6.1 and 7.1*
- *IMS, Version 7.1*
- *VSAM for z/OS, Version 1.4*
- *Sequential files for z/OS, Version 1.4*

WebSphere Information Integrator Classic event publishers support the following host databases:

- *IMS, Version 7.1*
- *VSAM with CICS® for z/OS, Version 1.4*
- *DB2 UDB for z/OS supported through WebSphere Information Integrator Event Publisher for DB2 UDB for z/OS*
- *Advantage CA-IDMS/DB for z/OS, Versions 14.1 and 15*

For more information

To learn more about the technologies and products behind IBM information integration solutions, contact your IBM marketing representative or IBM Business Partner, or visit:

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