WebSphere® software

IBM WebSphere Information Integrator Content Edition Version 8.2

Highlights

■ *Access a broad range of unstructured information sources as if they were stored and managed in one system*

■ *Unify multiple content repositories with a single consistent interface*

■ *Accelerate and simplify development of content-centric applications*

■ *Get more value and insight from existing repository investments*

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.

Access Real-time Information Across and Beyond the Enterprise
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.

ON DEMAND BUSINESS™

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.

IBM WebSphere Information Integrator Content Edition is a key offering within the WebSphere Information Integrator portfolio and a key part of the on demand business. WebSphere Information Integrator Content Edition enables organizations to federate multiple, disparate content repositories and workflow systems.

Unlock the Value of Isolated Content Assets

Most organizations today are saddled with multiple content management and workflow systems as a result of departmental investments, mergers and acquisitions. In fact, Forrester Research reports that more than 75 percent of today's organizations are currently supporting multiple repositories and some 25 percent have more than 15 unique repositories in place.

Consequently, critical content is trapped in isolated silos, which can significantly complicate application development and undermine key business initiatives including customer service, regulatory compliance, research and intelligence, and the ability to realize synergies from mergers and acquisitions.

IBM WebSphere Information Integrator Content Edition enables organizations to quickly unify these isolated content silos to improve access, reuse and control of distributed content assets, and to dramatically reduce the cost and complexity associated with creating content-centric applications.

By providing a consistent, bidirectional interface to disparate content sources, WebSphere Information Integrator Content Edition allows organizations to quickly integrate their business applications with the various content repositories that store

documents, images, reports, digital assets, e-mail and other important business content. This allows users to access and work with distributed content as if it were stored and managed in a single repository and "future-proofs" applications by providing a flexible, highly scalable abstraction layer that makes applications repository independent.

A Proven, Enterprise-class Approach to Content Integration

Based on a service-oriented architecture (SOA), WebSphere Information Integrator Content Edition provides rich, standards-based access to disparate content repositories and workflow systems. WebSphere Information Integrator Content Edition is fully Java™ 2, Enterprise Edition (J2EE™)-compliant, Web services compatible, and based on three service layers.

Integration Services

WebSphere Information Integrator Content Edition integration services provide bidirectional access to underlying content, workflow and functionality. IBM offers a large library of pre-built connectors to many commercial systems and a toolkit for building custom connectors. These connectors normalize the vendor-specific API calls of underlying repositories and provide real-time, bidirectional access to the native content and metadata stored in these systems. Integration services exposes all of the basic library services and the specialized functionality of underlying repositories and also provides repository profiling capabilities that make differences in functionality between repositories completely seamless to the end user.

Integration services allow users to:

- *Create, delete and browse folders*
- *Check in, check out and modify content*
- *Add new content*
- *File and un-file content in folders*
- *Retrieve folders and folder contents*
- *View and update metadata*
- *View and update security*
- *View and/or create versions; revert to previous versions*
- *Work with renditions and/or compound documents*

Federation Services

WebSphere Information Integrator Content Edition federation services deliver a rich set of additive functionality that spans multiple repositories. These features unify the user experience and provide value-added capabilities for working with content.

Content views allow companies to create a single logical view of content related to a specific process or topic—regardless of where the content is stored and managed. These content views remove barriers imposed by disparate content sources and make content appear as if it were organized in a virtual repository.

Federated search capabilities enable property-based and full-text queries against multiple repositories, returning an aggregated result set. This feature also allows users to create saved searches for enhanced productivity.

Metadata mapping services normalize index values across multiple systems. This intuitive mapping tool makes it easy to define a common data model for working with content stored in multiple disparate repositories.

Single sign-on encrypts and stores repository credentials and allows users to login to multiple underlying systems through a single authentication process. This capability can also integrate with existing Lightweight Directory Access Protocol (LDAP) infrastructures.

Subscription event services let companies create custom event handlers and other rules-based behaviors that span multiple content and workflow systems.

Subscription event services enable two key capabilities:

- *Automatic subscriptions allow content and workflow objects to be monitored and to automatically trigger e-mail notifications and/or other events when changes occur*

- *Cross-repository synchronization capabilities enable a range of event-based functions, such as synchronizing content and/or metadata between disparate repositories, declaring a document as a record or triggering a workflow or another behavior based on a specific event or condition*

View services (optional) enable companies to dynamically convert specialized document and image formats into browser-readable renditions on the fly. View services can convert more than 150 document types into browser-readable formats so they can be displayed natively within a browser, including standard business formats and specialized formats such as TIFF and MO:DCA. View services also provide a Java applet for annotations and image manipulation.

Developer Services

WebSphere Information Integrator Content Edition developer services provide several options for making distributed content and functionality accessible within user interfaces and client applications. These services include Web components that snap into any Web-based application, JSR 168-compliant portlets and a superset Java and Web services API that provides a common object model and full programmatic access to underlying content and workflow systems. Web components deliver the core library services required within a content-oriented application, including:

- *Repository navigation*
- *Repository query*
- *Content list*
- *Content creator*
- *Content update*
- *Content services*

Developer services also include a rich Java-based federated Web client user interface that can be used out of the box or customized to your specifications.

Architectural Highlights

- *Service-oriented architecture*
- *Fully J2EE-compliant and Web services compatible*
- *Supports such as WebSphere Application Server and BEA WebLogic*
- *Supports component distribution and load balancing*
- *Provides Simple Object Access Protocol (SOAP) interface for Web services applications*
- *Supports URL-addressable functions*

Content Integration: A Key Part of the On Demand Business

Content is more critical than ever for today's on demand business. To be fully productive and compliant, today's organizations need to break down content silos and unlock the value of this trapped information. WebSphere Information Integrator Content Edition is a key part of today's information infrastructure, allowing organizations to:

- **Achieve the key benefits of consolidation today.** *Many organizations rely on WebSphere Information Integrator Content Edition as the basis of their integrated content infrastructure. This enables companies and public sector agencies to achieve the unification benefits of consolidation without the time, cost and process disruption of a "rip and replace" initiative.*

- **Create a migration path toward a common infrastructure.** *Beyond providing unified access to distributed content, WebSphere Information Integrator Content Edition also provides the means to physically migrate content away from various legacy repositories over time. This allows organizations to reduce the cost and complexity of their content infrastructure as part of a phased migration strategy.*

- **Enrich portals and key business applications.** *Many portals and line of business (LOB) applications fail to deliver their full value because they lack access to critical content sources. WebSphere Information Integrator Content Edition integrates key content scattered across multiple repositories into your portal, workflow processes and LOB applications, including customer relationship management (CRM) and enterprise resource planning (ERP) applications.*

- **_Extend the reach of records management initiatives._** _Organizations are under extreme pressure to comply with mandates and policies around how they store and manage their records-class content assets. But the reality is that much of this content is often distributed across multiple systems. WebSphere Information Integrator Content Edition allows organizations to extend their electronic records management applications to reach content stored in multiple disparate systems._

- **_Reach distributed content sources as part of enterprise search initiatives._** _WebSphere Information Integrator Content Edition tightly integrates with WebSphere Information Integrator OmniFind™ Edition to provide access to a broader set of unstructured information sources as part of a free-form text search paradigm. This enables organizations to extend their WebSphere Information Integrator OmniFind Edition search initiatives to incorporate all their information sources.[1]_

- **_Incorporate distributed content into your data integration initiatives._** _Some 80 percent of enterprise information is unstructured, but for most organizations it is an untapped asset within business intelligence and data integration initiatives. WebSphere Information Integrator Content Edition can be deployed together with other WebSphere Information Integrator federation offerings to provide federated access to all classes of information—structured and unstructured, mainframe and distributed, public and private—from within a standard structured query language (SQL) based interface.[2]_

Make WebSphere Information Integrator Content Edition Part of Your Information Management Strategy

IBM WebSphere Information Integrator Content Edition helps organizations break down barriers to isolated content assets and unlock the value of the information trapped within. WebSphere Information Integrator Content Edition is a key part of the on demand business, allowing organizations to make better informed decisions, to manage more efficient and compliant processes and to reduce the cost and complexity of building content-centric applications.

System Requirements: IBM WebSphere Information Integrator Content Edition Version 8.2

WebSphere Information Integrator Content Edition supports the following operating systems: IBM AIX®, Linux®, Solaris and Microsoft® Windows®. For current, detailed hardware and software system requirements for these and other WebSphere Information Integrator products, visit **ibm. com**/software/data/integration

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 **ibm.com**/software/data/integration

**WebSphere Information
Integrator Content Edition**

Pre-built Connectors
- *IBM DB2® Content Manager*
- *IBM DB2 Content Manager OnDemand*
- *IBM WebSphere MQ Workflow*
- *IBM Lotus Notes®*
- *IBM Lotus Domino® Document Manager*
- *FileNet Content Services*
- *FileNet Image Services*
- *FileNet Image Services Resource Adapter*
- *FileNet Report Manager*
- *FileNet P8 Content Manager*
- *FileNet P8 Business Process Manager*
- *EMC Documentum*
- *Microsoft Index Server/NTFS*
- *Microsoft Site Server*
- *Open Text Livelink*
- *Stellent Content Server*
- *Interwoven TeamSite*
- *Hummingbird Enterprise DM*

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