



# IBM Content Integrator Enterprise Edition Version 8.5

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## Highlights

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- *Enrich portals and key business applications with federated access to content stored in multiple systems*
- *Provides content integration when used by itself, or content federation when used together with IBM FileNet Content Federation Services (CFS) in IBM FileNet Content Manager*
- *Accelerate and simplify development of content-centric applications*
- *Get more value and insight from existing repository investments*

### Information on demand

Today's organizations need unabated access to enterprise information. People, processes and applications need the right information at the right time to support timely decision making and enable appropriate action. Information On Demand, the foundation of the IBM Information Management business, is a framework designed to help companies integrate, analyze and optimize heterogeneous information to manage risk and deliver new business insight.

IBM Content Integrator Enterprise Edition (IBM Content Integrator), a key component of Information On Demand, delivers federated access to the vast majority of enterprise information that lives in disparate content management systems. It makes disparate IBM and non-IBM content sources look and act as a single unified repository, and provides a complete platform for deploying applications and workflows spanning multiple content sources. Version 8.5 adds a SOA style interface, enhanced globalization, better support for IBM data sources, new out-of-the-box connectors, a streamlined installation and deployment process, and improved platform support.

### Unlock the value of isolated content assets

Most organizations today have 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 Content Integrator 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, IBM Content Integrator 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), IBM Content Integrator provides rich, standards-based access to disparate content repositories and workflow systems. IBM Content Integrator is fully Java™ 2, Enterprise Edition (J2EE™)-compliant, Web services compatible, and based on three service layers.

### **Integration services**

IBM Content Integrator integration services provide bidirectional access to the underlying information and functionality of both content and workflow systems. 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, processes and metadata stored in these systems.

IBM Content Integrator does not replicate content. It provides real-time access to content in place, allowing the repository to continue to service existing applications.

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
- View active workflow items across workflow queues
- Suspend, resume, and complete workflow items
- Create new workflow items

### **Content Federation Services**

When IBM Content Integrator is used in conjunction with the content federation services (CFS) features in IBM FileNet Content Manager 4.5, metadata from disparate repositories is federated into the FileNet P8 content engine, where it appears as native FileNet P8 content, and becomes available to FileNet P8 applications providing search & retrieval, records management and business process management capabilities.

**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.

**Identity-aware repository session pools** are easily configured within the administration tool and can be used to improve application performance by reducing the number of repository logins/logouts, and to manage the use of repository resources by limiting repository connections during peak activity.

**View services** (optional) enable companies to 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 provides a signed Java applet for annotations, printing, and client-side image manipulation.

## Developer services

IBM Content Integrator developer services provides several options for making distributed content and processes, as well as the functionality around the content and processes accessible within user interfaces and client applications.

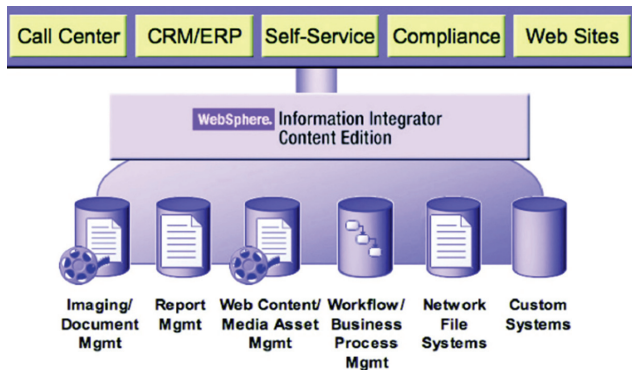


Figure 1. IBM Content Integrator enables organizations to federate multiple, disparate content repositories and workflow systems.

Web components deliver access to the information and the features of both content and workflow systems, including:

- Folder, workflow queue, and virtual repository navigation
- Content and workflow queries
- Content list
- Content, folder and workflow item creation
- Content and workflow item update

Developer services also include a rich Java API and SOA style Web service implementation.

## Architectural highlights

- Service-oriented architecture
- Fully J2EE-compliant and Web services compatible
- Supports WebSphere Application Server and BEA WebLogic Server
- Supports component distribution and load balancing
- Supports URL-addressable functions

## Content integration:

### A key part of information on demand

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. IBM Content Integrator is a key part of today's information infrastructure, allowing organizations to:

**Achieve the key benefits of consolidation today.** Many organizations rely on IBM Content Integrator 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 day-forward migration toward a common infrastructure.** Beyond providing unified access to distributed content, IBM Content Integrator 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.

**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. IBM Content Integrator can be deployed together with WebSphere Federation Server to provide federated access to all classes of information—structured and unstructured, mainframe and distributed, public and private.

### Make IBM Content Integrator part of your information management strategy

IBM Content Integrator helps organizations break down barriers to isolated content assets and unlock the value of the information trapped within. IBM Content Integrator 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.

## IBM Content Integrator Enterprise Edition

### Pre-built Connectors

- IBM Content Manager
- IBM Content Manager OnDemand
- IBM WebSphere Portal Document Manager
- IBM WebSphere MQ Workflow
- IBM Lotus Notes®
- IBM Lotus Domino® Document Manager
- IBM FileNet Content Services
- IBM FileNet Image Services
- IBM FileNet Image Services Resource Adapter
- IBM FileNet Content Manager
- EMC/Documentum Content Server
- Microsoft® Index Server/NTFS
- Microsoft SharePoint 2007
- Open Text Livelink
- Hummingbird Enterprise DM
- Read-only access to the following relational database systems:
  - DB2 Universal Database
  - Informix
  - Oracle

**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. IBM Content Integrator 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. IBM Content Integrator allows organizations to extend their electronic records management applications to reach content stored in multiple disparate systems.

### **System requirements**

IBM Content Integrator supports the following operating systems: IBM AIX®, Linux® and HP-UX, Solaris and Microsoft Windows®.

For current, detailed hardware and software system requirements for IBM Content Integrator, visit [ibm.com/software/data/integration/db2ii/editions\\_content.html](http://ibm.com/software/data/integration/db2ii/editions_content.html)

### **For more information**

To learn more about IBM Enterprise Content Management products solutions and services, contact your IBM marketing representative or IBM Business Partner, or visit [ibm.com/software/ecm](http://ibm.com/software/ecm).



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Printed in the USA

09-08

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