



IBM Content Manager

Highlights

- *Provides a comprehensive, scalable and secure content management solution*
- *Enables users to work with all types of content, anytime, anywhere*
- *Extends content across diverse business solutions and processes*
- *Scales horizontally and vertically, from Windows through mainframes*

The need for on demand information

With business moving at the speed of now, users require on demand access to information anytime, anywhere. Businesses run on information, both "structured" or data, as well as "unstructured" or content. Content, which can represent up to 85 percent of the information an organization processes, includes formats such as documents, images, e-mail, instant messages, digital media and HTML- and XML-based Web content. The challenge is to securely capture, organize, store, manage and deliver this disparate information.

IBM® Content Manager is a scalable enterprise content management (ECM) solution that enables you to leverage all this digital information for maximum impact. It manages all types of content with support for a breadth of platforms, databases and applications.

IBM Content Manager Enterprise Edition (EE) includes the IBM Content Manager server and client software for the Linux®, UNIX® and Windows™ platforms, along with IBM Content Manager OnDemand, an electronic report management and e-statement solution that enables high-volume capture of computer output. Also included is IBM WebSphere Information Integrator Content Edition (IICE), providing federation for all leading content management repositories and the optional feature, DB2 Performance Expert for Content Manager V3.1, designed to help database administrators optimize DB2 databases for Content Manager Enterprise Edition.

IBM Content Manager for z/OS® provides the server on the IBM's flagship mainframe operating environment for System z.

Offers maximum flexibility

IBM Content Manager provides universal access to content while preserving system performance, whether configured for a single installation or a distributed environment. It is a platform that delivers maximum flexibility, accelerates application deployment, and lowers total cost of ownership.

- **Delivers the repository services and infrastructure platform for IBM Content Management solutions such as: production imaging, case management, compliance in a regulated life sciences environment, compliance with records management, document lifecycle management, email management for Lotus Notes or Microsoft Exchange Server, digital media and Web content management.**
- **Offers a powerful and expressive XML-ready data model, Java™, C++ and Web Services programming interfaces, and an integrated hierarchical storage manager that supports hundreds of storage devices and media types.**
- **Scales horizontally and vertically, from Windows through mainframes, with enterprise features such as replication to store and manage objects in multiple locations and application-transparent content caching.**

Point, click and retrieve

IBM Content Manager users can now leverage the IBM Web Interface 1.0.2 for Content Management (WEBi)¹ client. IBM WEBi is a Web 2.0/Ajax-based, "light weight" Web client, introduced previously for IBM Content Manager OnDemand - and now for IBM Content Manager Enterprise Edition or z/OS access from either Internet Explorer or Firefox browsers. Designed to meet the needs of the knowledge worker, IBM WEBi provides a web-based client for Content Manager users, providing basic content management function such as, Read, Update, Search, check-in, check-out, and versioning. The Web interface can be easily modified to a customized theme to reflect the brand, color, and logo of an organization.

Support for 2007 Microsoft Office System XML file formats

Content Manager V8.4 adds support for the 2007 Microsoft System XML file formats so you can now:

- **View, manipulate and annotate Office XML documents within the Client for Windows, eClient viewer applet or custom solutions built using the Java viewer toolkit.**
- **Add MIME type definitions to tell your application how to handle the new XML file formats when objects are retrieved from the resource manager.**
- **Perform content manager server-side document conversion with access to document manipulation and document annotation services (EE only).**
- **Index and perform text search for documents created using the new formats (EE only).**

Excellent flexibility with workflow functions and full-text search capabilities

With full-text search capabilities for both metadata and text-based documents (EE only), Content Manager allows users to easily locate pertinent information. Document routing functions support a document-centric workflow capability that enforces business rules at each step:

- **Graphical workflow builder**
- **Decision points (based on attribute values)**
- **User-defined actions and action lists**
- **Parallel routing**
- **Business application mode**
- **Support for and implementation of subprocesses**

Managing printed output

By leveraging the technology behind Content Manager OnDemand, IBM Content Manager Enterprise Edition brings efficiency to the management of printed documents. For example, you can organize and store virtually any printed output for quick and easy retrieval, enhancing employee productivity and customer service. You can also extend electronic bill presentation and payment (EBPP) alternatives to your customers so they can access archived bills and statements from your Web site.

Unparalleled scalability

IBM Content Manager supports a multi-tier, scalable and distributed architecture. It includes the following components:

- **Resource Managers**—specialized repositories optimized for managing the storage, retrieval and archiving of enterprise content. The hierarchical storage management capabilities of Content Manager leverage the storage management capabilities of IBM Tivoli® Storage Manager to support a broad range of magnetic, optical and tape devices.
- **Data Model**—flexible data modeling capabilities allow applications to represent real-world objects in the enterprise content environment, with links that enable easy access to related business content, significantly reducing the application development effort.
- **Library Server**—a central source for indexing, describing, locating, organizing and managing enterprise content.
- **Mid-tier Server**—a Web-exploiting broker that mediates between the client and the Library Server. It supports the enhanced IBM Content Manager application programming interface (API) toolkit and manages connections to the Library Server and one or more Resource Managers.
- **Easy-to-use, highly interactive Web client (IBM WEBi)** for "light weight" access to Content Manager EE and z/OS repositories that employs open standards and supports Web 2.0 and Asynchronous Java™ and XML (AJAX) technologies.

- **eClient**—a browser-based thin client that provides the GUI to all of the current Content Manager repositories across all platforms. It provides support for attribute-based, Boolean or full-text search, transforming and viewing of a broad range of content formats, graphical and text-based annotations and version control.
- **Client for Microsoft® Windows®**—the desktop client that provides out-of-the-box support for high-volume, high-performance applications. Capabilities include full-text search options, full support for multi-valued attributes and version control for annotations.

The modular architecture of Content Manager EE is fully Unicode-enabled and optimized to maintain secure central management control. It supports a range of configurations and environments, from small workgroups to geographically dispersed organizations with thousands of users.

IBM Content Manager runs on the following platforms:

- AIX for System p or System i
- HP-UX11i for HP Integrity Servers
- Linux® on System x - Red Hat Enterprise Linux and SUSE Linux Enterprise
- Linux® on System z™ - Red Hat Enterprise Linux and SUSE Linux Enterprise
- Sun Solaris Operating Environment for UltraSPARC or System x
- Windows Server 2003 for System x
- z/OS for System z²

Content Manager V8.4 supports IBM DB2 V9.1 databases, IBM WebSphere Application Server V6.1 and the Java 5.0 platform and IPV6, the next generation of the Internet Protocol. Additional support includes industry standards and protocols, including HTTP, SOAP, FTP, RTSP, JDBC, ODMA and SQL.

Robust and open framework

IBM Content Manager is designed to be fully open. With a robust set of application programming interfaces (APIs), the full spectrum of content management function is available to application developers and integrators. APIs, including Web services, XML services, JavaBens and the core "ICM" Java and C++ API, handle different types of content for unified search, retrieval, workflow, access control management and system administration.

Content Manager V8.4 improves the core APIs and Web Services with improvements for performance, usability and robustness. For example, new retrieve options give more granular control to the application for better performance control and enable a number of built-in optimizations.

With Content Manager V8.4, the Web services can be deployed on z/OS as well as the EE platforms, allowing you to integrate applications with Content Manager regardless of programming language or platform:



- Support for .NET client applications including support for DIME attachments
- Support for JAVA and J2EE client applications including MIME attachments
- Support for generating WSDL specific to a user's system
- Support for all core content semantics and document routing

The XML support in Content Manager delivers the capability to capture and manage documents adhering to specific XML schemas, such as industry-specific schemas, in a common content repository allowing for complete automation of capture, management and records management of XML documents.

Secure and easy to manage

IBM Content Manager provides a common system administration interface for administering content, servers from Windows to z/OS, managing users and groups, as well as supporting federated access to Content Manager distributed repositories. This reduces costs and improves manageability. With Content Manager, you can expect no less than the most comprehensive, open and scalable platform to manage your important business information assets. IBM Content Manager can streamline information management across your organization to increase productivity and help your business respond faster

to customer and market needs.

For more information

Please contact your IBM marketing representative or an IBM Business Partner., Also, visit our Web site at **ibm.com/software/ecm**

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¹The anticipated availability of IBM WEBi is January 30, 2008 or later

²IBM Content Manager for z/OS