



# IBM Content Manager for z/OS V8.4.3 increases consumability, serviceability, and security

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## At a glance

IBM® Content Manager for z/OS® V8.4.3 includes a wealth of new capabilities:

- Feature enhancements
- Consumability
- Serviceability
- Security
- Software currency

For ordering, contact your IBM representative or IBM Business Partner. For more information, contact the Americas Call Centers at 800-IBM-CALL (426-2255).

Reference: LE001

## Overview

IBM Content Manager for z/OS provides broad access to content while preserving system performance, whether configured for a single installation or a distributed environment. It provides capabilities that can be used to achieve maximum flexibility, accelerate application deployment, and lower the total cost of ownership. IBM Content Manager for z/OS V8.4.3 continues this tradition with new feature enhancements, increased consumability, better serviceability, greater security, and software updates.

Feature enhancements include:

- A batch update utility
- Optical character recognition support
- A Native Integrity Validation utility

Consumability is improved with:

- Import of LDAP users
- Use of Web Services under CICS®
- Improved ACL performance

Serviceability is increased with:

- Support of IBM Support Assistant

- Improved time zone support

Increased DB2® external security

The most current updates are provided for IBM DB2 V10, WebSphere® Application Server V7 support, and Unicode (UTF-8) which includes national language globalization.

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## Key prerequisites

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Refer to the [Hardware requirements](#) and [Software requirements](#) sections.

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## Planned availability date

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June 10, 2011

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## Description

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IBM Content Manager for z/OS V8.4.3 manages virtually all types of content - document images, electronic office documents, XML, audio, video - with support for a breadth of leading solutions and applications, on the robust and stable z/OS platform.

What is new in IBM Content Manager for z/OS V8.4.3

- Content Management Interoperability Services (CMIS) support

CMIS is an OASIS standard that enables applications to work with one or more content management systems by defining a standard domain model and standard web services bindings and RESTful AtomPub bindings. CMIS enables you to integrate enterprise content management systems that span business units and vendor implementations. In addition, CMIS enables you to integrate business process management systems and enterprise content management systems.

CMIS provides a single secure interface for content management systems and enables user access to these systems from a variety of environments, including desktop systems, mobile devices, and collaborative tools on web client (non-native support).

IBM CMIS V1.0 enables you to use the OASIS CMIS standard to access IBM Content Manager.

- Support for customizing names of user exit programs

You can customize the names of the user exit programs that are supported by the resource manager for Content Manager for z/OS. You can also enable or disable the user exit programs by using API calls to set or query the user exit program names.

- Batch update utility

You can use the high-volume batch update utility to efficiently update, delete, move, and link existing items large quantities of data in the Content Manager for z/OS library server and in the z/OS resource manager.

- Batch load support

The high volume batch utility is updated with options to suppress storing objects, override the default system attribute value at the item level, link a document to its folder, validate object data, and start items on a predefined process for each

item. In addition, the batch utility supports loading UNICODE text data and provides improved end-of-job statistics.

- Native integrity validation utility

With V8.4.3, the z/OS validation utility is available as part of the Content Manager for z/OS Toolkit and runs natively under UNIX® system services on the z/OS platform. You can run the utility locally on the same Content Manager for z/OS system or remotely on another z/OS system.

- Optical character recognition (OCR) support (only eClient applet - not z/OS native)

The Java™ Viewer Toolkit is enabled with an OCR toolkit. This toolkit provides a framework to plug in an OCR engine, which enables the viewer to recognize and extract textual content from an image document so that its text can be searched and selected. Selected text can be copied and pasted to other applications such as Microsoft® Word.

- Support for import of Lightweight Directory Access Protocol (LDAP) users
- Improved ACL performance

Content Manager reduces the response time for creating user ACLs and improves the performance of user and user group administrative operations. You can change the ACL optimization mode to affect how data is added to the ICMST Compiled ACL table. The optimization mode determines how the ACL data and the ICMST Compiled ACL table affect some administrative and runtime operations.

- Web services under Customer Information Control System (CICS)

Content Manager for z/OS enables Java application programs, running under CICS, to access IBM Content Manager web services using IBM Content Manager web services APIs.

- Web services under IMS™

Content Manager for z/OS enables Java application programs running under IMS to access IBM Content Manager web services using IBM Content Manager web services APIs.

- z/OS text search UPDATEWITHBACKUP option

During a text search operation, the OmniFind™ server backs up the text index file by sending it to DB2. This backup procedure is now optional. To improve performance, you can remove the backup procedure by setting the new UPDATEWITHBACKUP option to zero.

- DB2 external security

If DB2 external security is active, the library server will not generate GRANT statements when you use the system administration client to create a new item type.

- IBM Support Assistant (ISA) support
- Time zone support enhancements
- Support of DB2 V10
- Unicode (UTF-8) support

Content Manager for z/OS library server database objects will use the Unicode UTF-8 encoding scheme as an option in V8.4.3. For Content Manager for z/OS library server, Unicode is the encoding system for the internal processing of strings and all parameters of stored procedures. The library server will use the Unicode

UTF-8 encoding scheme, so user data will not be lost during Unicode UTF-8/EBCDIC conversion.

- Web services for WebSphere Application Server V7 support
- Improved API trace logging

Using the `connect_string` parameter associated with the `DKDatastoreICM.connect()` method, you can specify which logging priority you want to use temporarily during your session. This log level can be different than what is specified in the `cmblogconfig.properties` file.

In addition, when there is no error reported by the API logger during the initialization phase and you do not get the correct level of logging or the correct log file name, you can use the console log to identify the location of the `cmblogconfig.properties` file used by the logger code.

With V8.4.3, you can configure the resource manager so that some of its messages are displayed on the MVS™ console.

- Hierarchical browse model

IBM Content Manager adds new item types that you can use to create a hierarchy of document and folder items similar to a conventional file system. Current applications and newly created ones can share the concepts for a rooted hierarchy and provide interoperability between clients. You can enable IBM Content Manager item types with the hierarchical feature as hierarchical item types. This feature is enabled when you are creating item types.

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### **Accessibility by people with disabilities**

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

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### **Section 508 of the US Rehabilitation Act**

IBM Content Manager for z/OS is capable as of June 10, 2011, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it. A US Section 508 Voluntary Product Accessibility Template (VPAT) can be requested

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

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### **Business Partner information**

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=211-192>

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## **Product positioning**

IBM Content Manager for z/OS is part of the IBM Enterprise Content Management (ECM) product portfolio. It is unique in that it provides full enterprise content management capabilities on the z/OS platform, while integrating into the overall ECM portfolio to allow leveraging of IBM's entire portfolio.

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## Hardware and software support services

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### SmoothStart/installation services

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IBM SmoothStart™ Services, on-site implementation and training startup services, are designed to accelerate your productive use of your IBM solution. The services are provided by IBM Global Services or your IBM Business Partner at an additional cost. For additional information, contact your IBM representative and ask for SmoothStart Services for IBM Content Manager for z/OS.

IBM Installation Services are provided for IBM Content Manager for z/OS by IBM Global Services or your IBM Business Partner at an additional cost. For additional information, contact your IBM representative and ask for Installation Services for IBM Content Manager for z/OS.

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### Program number

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Program number	VRM	Program name
5697-H60	V8.4.3	IBM Content Manager for z/OS

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### Technical information

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#### Specified operating environment

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##### *Hardware requirements*

IBM Content Manager for z/OS V8.4.3 supports IBM System z® hardware.

The exact configuration needed to support your environment with satisfactory response time varies depending on factors that include but are not limited to the size of the objects you are working with and other factors. Individual display response times vary depending on workstation speed, memory, size of objects, and network and server workload.

For current and complete information on hardware requirements for IBM Content Manager z/OS V8.4.3, visit

<http://www.ibm.com/support/docview.wss?rs=119&uid=swg27015772>

##### *Software requirements*

For current and complete information on software requirements for IBM Content Manager for z/OS V8.4.3, visit

<http://www.ibm.com/support/docview.wss?rs=119&uid=swg27015772>

#### Planning information

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##### *Direct customer support*

Direct customer support is provided by IBM Operational Support Services - SoftwareXcel Enterprise Edition or SoftwareXcel Basic Edition. These fee services can enhance your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel Enterprise Edition or SoftwareXcel Basic Edition will help answer questions pertaining to usage, how-to, and suspected software defects for eligible products.

Installation and technical support is provided by IBM Global Services. For more information on services, call 888-426-4343.

## Security, auditability, and control

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The announced IBM Content Manager for z/OS uses the security and auditability features of the host hardware or operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## Ordering information

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### Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the US, Canada, and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

### Order VM SDO and VSE SIPO through the Internet

ShopzSeries provides an easy way to plan and order System z software upgrades. This now includes VM and VSE. Using ShopzSeries, you can quickly generate orders for VM SDOs and VSE SIPOs. Additionally, ShopzSeries will ensure your order is technically correct (that is, ensures any co-req or pre-req or incompatibility conditions are resolved to ensure timely order placement and processing). ShopzSeries is available in the United States and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

<http://www.ibm.com/software/ShopzSeries>

### New licensees

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Orders for new licenses can be placed now.

Registered customers can access IBMLink™ for ordering information and charges.

Shipment will not occur before the availability date.

Unless a later date is specified, orders entered before the planned availability date will be assigned a schedule date of one week following availability.

- Orders entered after the planned availability date will be assigned a schedule date for the week following order entry.
- Orders entered with a scheduled date before the planned availability date will be shipped IBM Content Manager for z/OS V8.4.
- Orders entered with a scheduled ship date after planned availability will be shipped IBM Content Manager for z/OS V8.4.3. Unless a later date is specified, an order is scheduled for the week following order entry.

Shipment will begin on the planned availability date.

- Orders that ship before the planned availability will receive IBM Content Manager for z/OS V8.4.3.

New users of IBM Content Manager for z/OS V8.4.3 should specify:

Type: 5697

Model: H60

Based on the customer-requested arrival date (CRAD) and to allow for order processing, the first customer shipment will begin within seven business days after general availability.

When purchasing IBM Content Manager for z/OS V8.4.3, you are entitled to one user client license and the Content Manager System Administrator client. A full media collection for IBM Content Manager Enterprise Edition can be ordered, part number BF03QML, or downloaded in order to complete the installation and configuration of IBM Content Manager for z/OS V8.4.3.

Note: The Content Manager System Administrator client is required.

To order FWLC software, specify the program number and the EWLC monthly charge feature number from the following table. Also specify the material identifier for the desired distribution medium.

Program name: IBM Content Manager for z/OS  
 Program PID: 5697-H60

Entitlement identifier	Description	License option / pricing metric
S0109DW	IBM Content Manager Library Server	Basic MLC, Flat WLC
S0109F2	IBM Content Manager Resource Manager	Basic MLC, Flat WLC

Orderable Supply ID:	Description	Language	Distribution medium
S0167MR	IBM Content Manager Library Server	English	3590 media
S0167MT	IBM Content Manager Resource Manager	English	3590 media
S0167MS	IBM Content Manager Library Server	Japanese	3590 media

**Single version charging**

To elect single version charging, the customer must notify and identify to IBM the prior program and replacement program and the designated machine the programs are operating on.

**Basic machine-readable material**

Orderable Supply ID:	Language	Distribution medium	Description
S0167MR	US English	3590 Tape Cartridge	CM Library Server
S0167MT	US English	3590 Tape Cartridge	CM Resource Manager
S0167MS	Japanese	3590 Tape Cartridge	CM Library Server

**Customization options**

Select the appropriate feature numbers to customize your order to specify the delivery options desired. These features can be specified on the initial or MES orders.

**Customized offerings**

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Product deliverables are shipped only via CBPDO, ServerPac, SystemPac®.

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software

delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the ShopzSeries help information at

<http://www.software.ibm.com/ShopzSeries>

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options for CBPDO, ServerPac, SystemPac include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS can be ordered via all three offerings at general availability. Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability.
- SystemPac shipments will begin four weeks after general availability due to additional customization, and data input verification.

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## Terms and conditions

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### ***Agreement***

IBM Customer Agreement

### ***Designated machine***

Not required.

### ***Variable charges apply***

No

### ***Indexed monthly license charge (IMLC) applies***

No

### ***Location license applies***

Yes

### ***Use limitation applies***

No

### ***Educational allowance available***

Yes, 15% education allowance applies to qualified education institution customers.

### ***Volume orders***

Not applicable.

Replaced program number	Replaced program name	Replacement program number	Replacement program name
5697-H60	IBM Content Manager for z/OS v8.4	5697-H60	IBM Content Manager for z/OS v8.4.3
5697-H60	IBM Content Manager for z/OS v8.4.1	5697-H60	IBM Content Manager for z/OS v8.4.3
5697-H60	IBM Content Manager	5697-H60	IBM Content Manager



**Warranty applies**

Yes

**Licensed program materials availability**

Restricted materials of IBM:	Some
Non-restricted source materials:	Some
Object code only (OCO):	None

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**IBM Electronic Services**

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IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

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**Prices**

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Program number: 5697-H60

Entitlement identifier	Description	License option/ Pricing metrics
S0109DW	CM Library Server	Basic MLC
S0109F2	CM Resource Manager	Basic MLC

Contact your sales channel for IBM Operational Support Services - SoftwareXcel pricing information.

**OTC:** Customers who pay a OTC for a licensed program receive enhancements and future releases, if any, at no additional charge. Significant new function may be offered as an optional feature and charged for separately.

**Process charge:** There is a one-time process charge to cover the cost of distributing the basic machine-readable material, including service updates.

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## Order now

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To order, contact your local IBM representative or IBM Business Partner.

To identify your local IBM representative, call 800-IBM-4YOU (426-4968). For more information, contact the Americas Call Centers.

Phone: 800-IBM-CALL (426-2255)  
Fax: 800-2IBM-FAX (242-6329)  
For IBM representative: [callserv@ca.ibm.com](mailto:callserv@ca.ibm.com)

Mail: IBM Teleweb Customer Support  
ibm.com® Sales Execution Center, Americas North  
3500 Steeles Ave. East, Tower 3/4  
Markham, Ontario  
Canada L3R 2Z1

Reference: LE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

**Note:** Shipments will begin after the planned availability date.

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<http://www.ibm.com/planetwide/us/>