

IBM Content Collector
4.0.1.15 Interim Fix 7

Readme

© International Business Machines Corporation, 2023. All rights reserved.

IBM Content Collector 4.0.1.15 Interim Fix 7

Readme documentation for IBM® Content Collector 4.0.1.15 interim fix 7 including installation-related instructions, prerequisites and co-requisites, and information about fixes, changes, and limitations for IBM Content Collector for Email, IBM Content Collector for File Systems and IBM Content Collector for Microsoft SharePoint.

Readme file for:

IBM Content Collector

Product / Component release:

Version 4.0.1.15

Update Name:

Interim Fix 007

Fix ID:

4.0.1.15-IBM-ICC-IF007

Publication date:

15 September 2023

Last modified date:

15 September 2023

Contents

- [Download location](#) on page 3
- [Prerequisites and corequisites](#) on page 4
- [Known issues](#) on page 5
- [Installation information](#) on page 5
- [Fixes and changes](#) on page 7
- [Documentation](#) on page 8
- [Notices](#) on page 9
- [Document change history](#) on page 11

Download location

The following deliverables are available for download from the IBM Fix Central:

Download Collector 4.0.1.15 interim fix 7 fix files

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%2BContent%2BManagement&product=IBM/Information+Management/Content+Collector&release=4.0.1.15&platform=ALL&function=fixId&fixids=4.0.1.15-IBM-ICC-IF007&includeRequisites=1&includeSuperse>

Product / Component name	Platform	File name
IBM Content Collector 4.0.1.15 interim fix 7 readme https://www.ibm.com/support/pages/node/7031985	Not applicable	4.0.1.15-IBM-ICC-IF007.pdf
IBM Content Collector Server https://www.ibm.com/support/fixcentral	Windows	4.0.1.15-IBM-ICC-Server-IF007.zip

Prerequisites and corequisites

- The server package of this interim fix requires one of the following Content Collector versions installed on your operating system:

Content Collector 4.0.1
<ul style="list-style-type: none"> Content Collector 4.0.1.14 Content Collector 4.0.1.15

- This interim fix is completely independent of following interim fixes and can be deployed on top of the specified interim fixes:

Content Collector release version	Components	Release content
Content Collector 4.0.1.15 interim fix 1 https://www.ibm.com/support/pages/node/6823863	Server	Java PSIRT fixes CVE-2022-21496, CVE-2022-21434, CVE-2022-21443, CVE-2022-21299, CVE-2021-35561 <u>Solution</u> : Upgrade Java to 8.0.7.10
Content Collector 4.0.1.15 interim fix 2 https://www.ibm.com/support/pages/node/6846217	Server (Web Application)	Liberty PSIRT fixes CVE-2022-34165 <u>Solution</u> : Upgrade Liberty to 22.0.0.10
Content Collector 4.0.1.15 interim fix 3 https://www.ibm.com/support/pages/node/6954449	Server	Java PSIRT fixes CVE-2022-3676, CVE-2022-21624 <u>Solution</u> : Upgrade Java to 8.0.7.20
Content Collector 4.0.1.15 interim fix 4 https://www.ibm.com/support/pages/node/7006055	P8 Content Search service support	P8 Content Search service support plugin fix files: 1. Support for Semeru Java 11 for Content Platform Engine. 2. Support enablement for keystore type JCEKS and PKCS12 to establish SSL connection.
Content Collector 4.0.1.15 interim fix 5 https://www.ibm.com/support/pages/node/7005863	Server CM8 Text Search Support	Java PSIRT fixes CVE-2022-21426 <u>Solution</u> : Upgrade Java to 8.0.8.0.

Content Collector release version	Components	Release content
Content Collector 4.0.1.15interim fix 6 https://www.ibm.com/support/pages/node/7030364	Server CM8 Text Search Support	Java PSIRT fixes CVE-2023-21930, CVE-2023-21967, CVE-2023-21938, CVE-2023-2597, CVE-2022-40609 Struts PSIRT fixes CVE-2023-34396, CVE-2023-34149 <u>Solution:</u> Upgrade Java to 8.0.8.5, and Struts to 2.5.31

For information about hardware and software compatibility, see the detailed system requirements document at:

- **Latest updates:** IBM Software Product Compatibility Reports
<https://www.ibm.com/software/reports/compatibility/clarity/index.html>
- **Additional information:**
 - Prerequisites for IBM Content Collector 4.0 - <https://www.ibm.com/support/pages/node/612697>
 - Prerequisites for IBM Content Collector 4.0.1 - <https://www.ibm.com/support/pages/node/614445>

Known issues

No known issues.

Installation information

You can apply this fix directly on Content Collector 4.0.1 fix pack 15 (4.0.1.15).

Notes:

- When following the instructions, replace `<ICC_installation_directory>` with the name of your Content Collector installation directory.
- If the installation directory path contains space, you must use Windows short names while navigating. For example:

Directory path with spaces: `C:\Program Files (x86)\IBM\ContentCollector` should be written as

Desired path: `c:\progra~2\IBM\ContentCollector`.

You can find the short name for a directory by running this command: `dir /x`.

Prerequisite

1. Download and extract the fix files for your operating system from the IBM Fix Central to a temporary directory:

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%2BContent%2BManagement&product=ibm/Information+Management/Content+Collector&release=4.0.1.15&platform=ALL&function=fixId&fixids=4.0.1.15-IBM-ICC-IF007&includeRequisites=1&includeSuperse>

For example, for Windows operating system, you need to extract from following compressed folder:
4.0.1.15-IBM-ICC-Server-IF007.zip

Installing

1. **Close** the Content Collector Configuration Manager and stop all the ICC Services on IBM Content Collector Server.
2. Extract the contents of the 4.0.1.15-IBM-ICC-Server-IF007.zip file that you downloaded from the Fix Central to a temporary folder. The contents of the compressed file are:
 - a) a fuinfoCenter.ear
 - b) docViewer.ear
 - c) a fu_web.ear
 - d) CMv8UFI401.jar
 - e) FileSystemConnector
 - f) SharePointOnlineClient.dll
3. Go to the following locations and delete the folder named **workarea**:
 - a) <ICC_installation_directory>\AFUWeb\wlp\usr\servers\AFUInfoCenter
 - b) <ICC_installation_directory>\AFUWeb\wlp\usr\servers\AFUWeb
4. Take a backup of below files from location: <ICC_installation_directory>\ctms
 - a) CMv8UFI401.jar
 - b) SharePointOnlineClient.dll
 - c) FileSystemConnector.exe
5. Take a backup of the a fuinfoCenter.ear, a fu_web.ear and docViewer.ear files from the following location:
<ICC_installation_directory>\AFUWeb
6. Copy the a fuinfoCenter.ear, a fu_web.ear and docViewer.ear files from Step 2.
 - a. Paste them in the following folder: <ICC_installation_directory>\AFUWeb
 - b. Run the following batch files:
 - i. a fu_ewas_undeploy.bat
 - ii. a fu_ewas_deploy.bat
7. Copy below files from the temporary folder in step 2 and replace them in <ICC_installation_directory>\ctms folder.
 - a) CMv8UFI401.jar
 - b) SharePointOnlineClient.dll
 - c) FileSystemConnector.exe
8. Set an Environment Variable IBM_AFU_RESTORE_FOLDER_SIZE and provide a desired numeric value (for example 300)
9. Start the services you stopped in Step 1.

Uninstalling

1. **Close** the Content Collector Configuration Manager and stop all the ICC Services on IBM Content Collector Server.
2. Go to the following locations and delete the folder named **workarea**:
 - a) <ICC_installation_directory>\AFUWeb\wlp\usr\servers\AFUInfoCenter
 - b) <ICC_installation_directory>\AFUWeb\wlp\usr\servers\AFUWeb
3. Delete the Environment Variable created in Step 8 of [Installing](#).
4. Navigate to <ICC_installation_directory>\ctms.
5. Replace below files with the ones that you backed up in Step 4 of [Installing](#).
 - a) CMv8UFI401.jar
 - b) SharePointOnlineClient.dll
 - c) FileSystemConnector.exe
6. Go to the following location and delete the afuinfoCenter.ear, afu_web.ear and docViewer.ear files:
<ICC_installation_directory>\AFUWeb
7. Copy the afuinfoCenter.ear, afu_web.ear and docViewer.ear files that you backed up in Step 5 of [Installing](#).
 - a. Paste it in the following folder: <ICC_installation_directory>\AFUWeb
 - b. Run the following batch files:
 - i. afu_ewas_undeploy.bat
 - ii. afu_ewas_deploy.bat
8. Start the services you stopped in Step 1.

Fixes and changes

This interim fix upgrades all the Log4j related JAR files which are used by Content Collector to the latest versions.

This fix also addresses the following APARs:

1. **HE13098**: RETRIEVEINTOFOLDERAPI - UNABLE TO USE "LONG" FOLDER NAME

Component: Server (Email Connector)

In the IBM Content Collector for RetrieveIntoFolderAPI, when a restore folder length of 30 characters or more was specified, an error occurred as the application limits the length to 29 characters.

This fix:

1. Increases the default folder size length from 30 to 200.
2. Allows user to set an environment variable IBM_AFU_RESTORE_FOLDER_SIZE, whose value (datatype numeric) can be customized to length of the folder. When specified by the user, the environment variable value bypasses the default value. If the environment variable is not specified, then it will take the default value of 200.

2. **HE13100**: CM8Connector service gets crashed due to JVM crash while throwing exception.

Component: Server (File System Connector)

The CM8 Connector service crashes due to an exception and is thrown from the CM8 Java API. The said exception fails to get propagated to the running CM8 Connection Service and leads to a crash.

This fix handles the crash by catching the exception at the Java layer, preventing the propagation and thus, crash of CM8 Connector Service.

3. **HE13109:** Issue while uploading multi-content documents into FileNet P8 using CSV metadata file.

Component: Server (File System Connector)

When uploading multi-content documents into the FileNet P8 repository using CSV file, if there is no empty line at the end of the CSV file, the documents are uploaded incorrectly. The document created for second-last line of csv contains content elements from last line as well, while the document created for the last line of csv has no content elements.

This fix creates the documents with correct content elements.

4. **HE13110:** NULL VALUE GETS SET FOR THE EMPTY TAG IN XML METADATA

Component: Server (File System Connector)

When archiving file system with XML metadata, if XML metadata contains empty tag for any single or multi-valued string property, NULL value gets set to the mapped P8 property. As per IBM Content Collector functionality, an empty string should be set to the P8 property.

This fix sets the correct value for the respective P8 property.

5. **HE13111:** File Not Found error while traversing list and libraries of SharePoint online site collection.

Component: Server (SharePoint Online Connector)

While archiving from SharePoint online site collection, "File not found" error is thrown if the URL that is formed by IBM Content Collector code is incorrect and does not match the actual URL of a list or library.

This fix forms the correct URL depending on the server relative URL.

Fixed defects

No defects

Documentation

- Download IBM Content Collector 4.0.1.15 interim fix 7 (Readme file)
<https://www.ibm.com/support/pages/node/7031985>
Note: For the latest version of the Readme file, use this link.
- IBM Content Collector Downloads
<https://www.ibm.com/support/pages/node/613127>
- IBM Software Product Compatibility Reports
<https://www.ibm.com/software/reports/compatibility/clarity/index.html>
- IBM Content Collector 4.0.1 documentation
<https://www.ibm.com/docs/en/content-collector/4.0.1>

Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Legal and Intellectual Property Law
IBM Japan Ltd.
1623-14, Shimotsuruma, Yamato-shi
Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Deutschland GmbH
Department M358
IBM-Allee 1
71139 Ehningen
Germany

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurement may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice and represent goals and objectives only.

All IBM prices shown are IBM's suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.
COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrates programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

A.1 Trademarks

IBM, the IBM logo, and [ibm.com](https://www.ibm.com) are trademarks of International Business Machines Corporation, registered in many jurisdictions worldwide. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at <https://www.ibm.com/legal/copytrade>.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

The Oracle Outside In Technology included herein is subject to a restricted use license and can only be used in conjunction with this application.

Other product and service names might be trademarks of IBM or other companies.

Document change history

Date	Description of change
15 September 2023	Original version published