IBM Content Collector
4.0.1.15 Interim Fix 7

Readme

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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

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

1. 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
• Content Collector 4.0.1.14   • Content Collector 4.0.1.15

2. 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 Solution: 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 Solution: 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 Solution: 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 Solution: Upgrade Java to 8.0.8.0.

Content Collector release version	Components	Release content
Content Collector 4.0.1.15 interim 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**:

    o   Prerequisites for IBM Content Collector 4.0 - https://www.ibm.com/support/pages/node/612697

    o   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) afuinfoCenter.ear
   b) docViewer.ear
   c) afu_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 afuinfoCenter.ear, afu_web.ear and docViewer.ear files from the following location:
   <ICC_installation_directory>\AFUWeb

6. Copy the afuinfoCenter.ear, afu_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. afu_ewas_undeploy.bat
      ii. afu_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

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Document change history

Date	Description of change
15 September 2023	Original version published