

IBM Content Collector  
Version 4.0.1.10 Interim Fix 010

## *Readme*

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# IBM Content Collector Version 4.0.1.10 Interim Fix 010

Readme documentation for IBM® Content Collector Version 4.0.1.10 Interim Fix 010 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 4.0.1.10

**Update Name:**

Interim Fix 010

**Fix ID:**

4.0.1.10-IBM-ICC-IF010

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## Contents

- [Download location](#) on page 3
- [Prerequisites and corequisites](#) on page 4
- [Known issues](#) on page 6
- [Installation information](#) on page 6
- [Fixes and changes](#) on page 7
- [Documentation](#) on page 8
- [Notices](#) on page 8
- [Document change history](#) on page 10

## Download location

Download IBM Content Collector version 4.0.1.10 Interim Fix 010, from the following location:

<https://www.ibm.com/support/pages/node/6201775>

The following deliverables are available for download. It includes steps to upgrade packages for IBM Content Collector Java Runtime Environment (JRE), version 8.0.6.7.

Product / Component name	Platform	File name
IBM Content Collector V4.0.1.10 IF010 Readme	Not Applicable	4.0.1.10-IBM-ICC-IF010.pdf
IBM Content Collector V4.0.1.10 IF010 Server	Windows	4.0.1.10-IBM-ICC-WIN-IF010.zip

Product / Component name	Platform	File name
CM8 Text Search Support	AIX	4.0.1.10-IBM-ICC-AIX-IF010.gz
	Linux	4.0.1.10-IBM-ICC-Linux32-IF010.tgz
	Linux for zSeries	4.0.1.10-IBM-ICC-Linuxz-IF010.tgz

**Note:** This interim fix is not applicable for Solaris platform because IBM JAVA 8 32-bit JRE is not available for Solaris.

## Prerequisites and corequisites

The IBM Content Collector (ICC) V4.0.1.10 server package is required.

I. This interim fix is independent of following interim fixes and can be deployed on top of it.

ICC Release Version	Components	Release Content
V4.0.1.10 <a href="#">Interim Fix 001</a>	Outlook Extension	<b>APAR fix</b> <u>HE12884</u> : IBM Content Collector Outlook Extension (32-bit and 64-bit)
V4.0.1.10 <a href="#">Interim Fix 003</a>	Server	<b>APAR fix</b> <u>HE12880</u> : ICC Expiration manager tool command quits the processing returning SQL syntax error. When running the Expiration Manager Tool command to delete all the emails archived in FileNet, a SQL Syntax Error is returned. This fix resolves the error by modifying the SQL query to be compatible with FileNet Content Engine Server.  <b>Defect</b> <u>Internal defect 69240</u> : The defect was reported on ICC 4.0.1 FP10 P8 CPE 5.5.3. The initial configuration fails when retrieving the objectstores. During initial configuration ICC is using VerityIndexAreaImpl and CBRSearchType.VERITY references which is deprecated in CPE 5.5.2. This Fix removes the references of deprecated VERITY APIs and properties as CPE has stopped VERITY support for some time now. With this fix, VERITY will not be supported with ICC as VERITY users will have to use older versions of ICC.
V4.0.1.10 <a href="#">Interim Fix 004</a>	Server  SharePoint Extension  Outlook Web Access (OWA) Extension	<b>New Features</b> <ul style="list-style-type: none"> <li>• Support of Microsoft Exchange OWA 2019</li> <li>• Support of Microsoft SharePoint Server 2019</li> <li>• Support for Business Automation Content Services on Cloud (BACSOC)</li> </ul> <b>APAR fix</b> <u>HE12928</u> : Archival to FileNet P8 5.5.2 fails when ICC tries to query distinguished name property for current CPE server user.

ICC Release Version	Components	Release Content
V4.0.1.10 <a href="#">Interim Fix 005</a>	Server	<p><b>New Features</b></p> <ul style="list-style-type: none"> <li>• <u>Liberty Phase 2 (External Liberty Server and API Support)</u>: Support for ICC Web Application deployment on External Web Application Server</li> <li>• Support for ICC Web Application services application programming interfaces (APIs)</li> <li>• Admin Center Control for IBM WebSphere Liberty Application Server</li> <li>• <u>Support for Doc Viewer</u>: ICC plugin Doc Viewer can be used to view documents in IBM Content Navigator (ICN).</li> </ul> <p><b>APAR Fix</b>  <u>HE12935</u>: ICC CM and FileNet repository configuration tool fails to load.</p> <p><b>Defect</b>  <u>Internal defect 69271</u>: ICC plugin Doc Viewer can be used to view documents in IBM Content Navigator (ICN).</p>
V4.0.1.10 <a href="#">Interim Fix 007</a>	Server	<p><b>APAR fix</b>  <u>HE12952</u>: ICC FOR FES: when a security policy only allows fully qualified server names, ICC becomes non-functional in scale out mode.</p> <p><u>Internal defect 69427</u>: Web application on Secondary node does not work as expected in a Cluster environment.</p> <p><u>Internal defect 69414</u>: Search does not display previously archived mails from a Migrated mailbox when the ExchangeOnlineMigratedUsers.csv file has double quotes (“”).</p>
V4.0.1.10 <a href="#">Interim Fix 008</a>	Server	<p><b>Liberty PSIRT fixes</b>            CVE-2019-4441            Solution: Upgrade to WebSphere Liberty Profile (WLP) 19.0.0.11</p>

II. This interim fix replaces the following interim fixes:

ICC Release Version	Components	Release Content
V4.0.1.10 <a href="#">Interim Fix 002</a>	Server	<p><b>Java PSIRT fixes</b>            CVE-2019-2426, CVE-2019-2422, CVE-2018-12547, CVE-2018-12549, CVE-2018-1890, CVE-2019-2698, CVE-2019-2697, CVE-2019-2602, CVE-2019-2684, CVE-2019-10245  <u>Solution</u>: Upgrade Java to 8.0.5.35</p>
V4.0.1.10 <a href="#">Interim Fix 006</a>	Server	<p><b>Java PSIRT fixes</b>            CVE-2019-2769, CVE-2019-2762, CVE-2019-2816, CVE-2019-2786, CVE-2019-2766, CVE-2019-11772, CVE-2019-11775, CVE-2019-4473, CVE-2019-11771  <u>Solution</u>: Upgrade Java to 8.0.5.40</p>

V4.0.1.10 <a href="#">Interim Fix 009</a>	Server	<b>Java PSIRT fixes</b> CVE-2019-2989, CVE-2019-2999, CVE-2019-2992, CVE-2019-2962, CVE-2019-2964 <u>Solution</u> : Upgrade to Java 8.0.6.0
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For information about hardware and software compatibility, see the detailed system requirements document at <https://www.ibm.com/support/pages/node/614445>

## Known issues

With JRE 8.0.6.7, following permission-related may occur while running ICC indexing commands on CM8 server with DB2 instance user:

*./afuIndexer.sh: line 87: /opt/IBM/ICCIndexer/java/jre/bin/java: The file access permissions do not allow the specified action.*

To resolve this error, run the following commands in putty with root user:

- a. `sudo su`
- b. `cd /opt/IBM/ICCIndexer/java`
- c. `chmod -R 777 *`

**Note:** This error is observed only on AIX platform.

## Installation information

**Note:** When following the instructions, replace <icc\_install\_dir> 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: `c:\progra~2\IBM\ContentCollector`

You can find the short name for the directory by running “dir /x” command.

## Installing on IBM Content Collector server

### IBM Runtime Environment Java Technology Edition

1. **Close** the ICC Configuration Manager and stop the following services:
  - All the services on IBM Content Collector Server
  - DB2EXT Service on CM8 Server
2. Take backup of the respective Java / JRE directory present within the IBM Content Collector product directory. If you used the default location for installation, the paths are as follows:

Component	Platform	Default Location
Server	Windows	<icc_install_dir>/java
CM8 Text Search Support	Windows	C:/Program Files (x86)/IBM/ICCIndexer/java

CM8 Text Search Support	Unix	/opt/IBM/ICCIndexer/java
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3. Replace the contents of the above Java / JRE directory by the contents of the corresponding fix file (4.0.1.10-IBM-ICC-<PLATFORM>-IF010) depending on the platform.
4. If you are using a Domino source, perform the following step:  
Copy **icu4j-58\_2.jar** and **icu4j-charset-58\_2.jar** from  
<icc\_install\_dir>\AFUWeb\wlp\usr\servers\AFUWeb\apps\expanded\afu\_web.ear\afu\_web.war\WEB-INF\lib  
to  
<icc\_install\_dir>\java\jre\lib\ext
5. Start the services stopped in Step 1.

## Uninstalling from IBM Content Collector server

### IBM Runtime Environment Java Technology Edition

1. Close the ICC Configuration Manager and stop the following services:
  - All the services on IBM Content Collector Server
  - DB2EXT Service on CM8 Server
2. Navigate to the respective Java / JRE directory and replace the files with the backup copies you made in Step 2 of installation.
3. Start the services stopped in Step 1.

## Fixes and changes

This interim fix addresses the following vulnerabilities in IBM Runtime Environment Java Technology Edition, version 8 used by IBM Content Collector.

### For IBM Runtime Environment Java Technology Edition

1. An unspecified vulnerability in Java SE related to the Java SE Libraries component could allow an unauthenticated attacker to cause a denial of service resulting in a low availability impact using unknown attack vectors.  
CVE-2020-2654 - <http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-2654>
2. An unspecified vulnerability in Java SE related to the Java SE Networking component could allow an unauthenticated attacker to cause low confidentiality impact, low integrity impact, and no availability impact.  
CVE-2020-2593 - <http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-2593>
3. IBM SDK, Java Technology Edition Version could allow a local authenticated attacker to execute arbitrary code on the system, caused by DLL search order hijacking vulnerability in Microsoft Windows client. By placing a specially-crafted file in a compromised folder, an attacker could exploit this vulnerability to execute arbitrary code on the system.  
CVE-2019-4732 - <http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-4732>

## Documentation

Not applicable.

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## Document change history

Date	Description of change
28 April 2020	Original version published.