

IBM Content Collector
4.0.1.11 Interim Fix 2

Readme

IBM Content Collector 4.0.1.11 Interim Fix 2

Readme documentation for IBM® Content Collector 4.0.1.11 Interim Fix 2 including installation-related instructions, prerequisites and corequisites, 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 4.0.1.11

Update Name:

Interim Fix 002

Fix ID:

4.0.1.11-IBM-ICC-IF002

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Contents

- [Download location](#) on page 3
- [Prerequisites and corequisites](#) on page 4
- [Known issues](#) on page 4
- [Installation information](#) on page 4
- [Fixes and changes](#) on page 5
- [Documentation](#) on page 6
- [Notices](#) on page 6
- [Document change history](#) on page 8

Download location

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

Download Collector 4.0.1.11 Interim Fix 2 fix files

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%2BContent%2BManagement&product=IBM/Information+Management/Content+Collector&release=4.0.1.11&platform=ALL&function=fixId&fixids=4.0.1.11-IBM-ICC-IF002&includeRequisites=1&includeSuperse>

It includes steps to upgrade the IBM Runtime Environment Java to 8.0.6.25 of Content Collector.

Product / Component name	Platform	File name
Content Collector 4.0.1.11 Interim Fix 2 Readme https://www.ibm.com/support/pages/node/6440311	Not applicable	4.0.1.11-IBM-ICC-IF002.pdf

Product / Component name	Platform	File name
Content Collector 4.0.1.11 Interim Fix 2 Server https://www.ibm.com/support/fixcentral	Windows	4.0.1.11-IBM-ICC-WIN-IF002.zip
Content Collector 4.0.1.11 Interim Fix 2 CM8 Text Search Support	AIX	4.0.1.11-IBM-ICC-AIX-IF002.gz
	Linux	4.0.1.11-IBM-ICC-Linux32-IF002.tgz
	Linux for zSeries	4.0.1.11-IBM-ICC-Linuxz-IF002.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 Content Collector 4.0.1 Fix Pack 11 (4.0.1.11) server package is required.

Known issues

No known issues.

Installation information

You can apply this fix directly on Content Collector 4.0.1 Fix Pack 11 (4.0.1.11).

Installing this fix

Note: 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.

You can find the short name for the directory by running the *dir/x* command in the command prompt.

For example: *c:\progra~2\IBM\ContentCollector*

Installing IBM Runtime Environment Java Technology Edition

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=4.0.1.11&platform=ALL&function=fixId&fixids=4.0.1.11-IBM-ICC-IF002&includeRequisites=1&includeSuperse>

For example, for Windows operating system, you need to extract from following compressed folder:

4.0.1.11-IBM-ICC-WIN-IF002.zip

2. The Java fixes are available in the following folder: jre.

Installing

1. **Close** the ICC Configuration Manager and stop the following services:
 - a. All the services on IBM Content Collector Server
 - b. DB2EXT Service on CM8 Server
2. Take a backup of the respective Java directory present within the Content Collector product directory.

If you used the default location for installation, the paths are as follows:

Component	Platform	Default location
Server	Windows	<ICC_installation_directory>/java
CM8 Text Search Support	Windows	C:/ProgramFiles (x86)/IBM/ICCIndexer/java
CM8 Text Search Support	Unix	/opt/IBM/ICCIndexer/java

3. Replace the contents of the Java directory in your installation folder (from step 2) with the fix file for your operating system.
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_installation_directory>\AFUWeb\wlp\usr\servers\AFUWeb\apps\expanded\afu_web.ear\afu_web.war  
\WEB-INF\lib  
to  
<ICC_installation_directory>\java\jre\lib\ext
```
5. Start the services stopped in Step 1.

Uninstalling this fix

IBM Runtime Environment Java Technology Edition

1. Close the ICC Configuration Manager and stop the following services:
 - a. All the services on IBM Content Collector Server
 - b. DB2EXT Service on CM8 Server
2. Navigate to the Java directory and replace the files with the backup taken in step 2 of the 'Installing' section of this document.
3. Start the services stopped in step 1.

Fixes and changes

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

Fixed defects

No defects

Security vulnerabilities

IBM Runtime Environment Java Technology Edition

1. Under certain circumstances, encrypted LDAP connections can be downgraded to unencrypted connections. The fix ensures that encrypted LDAP connections are not downgraded.
CVE-2020-14781 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14781>
2. A flaw in the CertPath implementation allows certificate fingerprint checks to be bypassed under certain circumstances. The fix ensures that the certificate fingerprint checks are not bypassed.
CVE-2020-14782 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14782>
3. A rare condition in the java.nio.Buffer API can cause Java code to read or write memory operations beyond the end of the underlying buffer. This flaw can be exploited by an untrusted Java code to disable the Security Manager and elevate its privileges. This fix ensures that this risk is prevented.
CVE-2020-14803 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14803>
4. A buffer overflow flaw has been found in a widely used function in the OpenJ9 JVM, which is employed when writing characters to a file. We have not identified any specific exploits, but it is very likely that the flaw is exploitable to trigger a crash or run an arbitrary code. The fix ensures that the buffer does not overflow.
CVE-2020-27221 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-27221>

Documentation

- Download Content Collector 4.0.1.11 Interim Fix 2 (Readme document)
<https://www.ibm.com/support/pages/node/6440311>
- 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 Knowledge Center
https://www.ibm.com/support/knowledgecenter/SSAE9L_4.0.1

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Document change history

Date	Description of change
06 April 2021	Original version published