

IBM Content Collector  
4.0.1.11 Interim Fix 1

## *Readme*

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# IBM Content Collector 4.0.1.11 Interim Fix 1

Readme documentation for IBM® Content Collector 4.0.1.11 Interim Fix 1 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 001

**Fix ID:**

4.0.1.11-IBM-ICC-IF001

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## Download location

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

Download Collector 4.0.1.11 Interim Fix 1 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-IF001&includeRequisites=1&includeSuperse>

It includes steps to upgrade the IBM Runtime Environment Java to 8.0.6.20 of Content Collector.

Product / Component name	Platform	File name
IBM Content Collector 4.0.1.11 Interim Fix 1 Readme <a href="https://www.ibm.com/support/pages/node/6410436">https://www.ibm.com/support/pages/node/6410436</a>	Not applicable	4.0.1.11-IBM-ICC-IF001.pdf

Product / Component name	Platform	File name
IBM Content Collector 4.0.1.11 Interim Fix 1 Server <a href="https://www.ibm.com/support/fixcentral">https://www.ibm.com/support/fixcentral</a>	Windows	4.0.1.11-IBM-ICC-WIN-IF001.zip
IBM Content Collector 4.0.1.11 Interim Fix 1 CM8 Text Search Support	AIX	4.0.1.11-IBM-ICC-AIX-IF001.gz
	Linux	4.0.1.11-IBM-ICC-Linux32-IF001.tgz
	Linux for zSeries	4.0.1.11-IBM-ICC-Linuxz-IF001.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) 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.

### 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-IF001&includeRequisites=1&includeSuperse>

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

4.0.1.11-IBM-ICC-WIN-IF001.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 Edition 8 used by Content Collector.

### Fixed defects

No defects

## Security vulnerabilities

### IBM Runtime Environment Java Technology Edition

1. Repeated deserialization of specially crafted Proxy objects can lead to an OutOfMemoryError, which allows an attacker to inflict a denial of service. The fix ensures that such proxy objects are handled gracefully.  
**CVE-2020-14779** - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14779>
2. A flaw in the Hotspot JIT compiler allows out of bounds memory access in certain circumstances. The fix corrects the flaw.  
**CVE-2020-14792** - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14792>
3. A flaw in the NIO API allows untrusted code to extract information about files and directories which should be restricted. The fix corrects the flaw.  
**CVE-2020-14796** - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14796>
4. A flaw in the NIO API allows malformed Path objects to be created which can bypass security checks. The fix corrects the flaw.  
**CVE-2020-14797** - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14797>
5. A flaw in the NIO API on Windows allows code to write to out-of-bounds memory locations. The fix corrects the flaw.  
**CVE-2020-14798** - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-14798>

## Documentation

- Download Content Collector 4.0.1.11 Interim Fix 1 (Readme document)  
<https://www.ibm.com/support/pages/node/6410436>
- 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/support/knowledgecenter/SSAE9L\\_4.0.1](https://www.ibm.com/support/knowledgecenter/SSAE9L_4.0.1)

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## Document change history

Date	Description of change
04 February 2021	Original version published
16 April 2021	Updated the <b>Security vulnerabilities</b> section <ul style="list-style-type: none"><li>Removed CVE-2020-14781</li></ul> Updated the <b>Documentation</b> section <ul style="list-style-type: none"><li>Added a URL</li></ul>