



IBM Content Collector  
Version 4.0.1.10 Interim Fix 006

## *Readme*



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## Part 1. IBM Content Collector Version 4.0.1.10 Interim Fix 006

Readme documentation for IBM® Content Collector Version 4.0.1.10 Interim Fix 006 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 ContentCollector

**Product / Component release:**

Version 4.0.1.10

**Update Name:**

Interim Fix 006

**Fix ID:**

4.0.1.10-IBM-ICC-IF006

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## Download location

Download IBM Content Collector (ICC), version 4.0.1.10 Interim Fix 006, from the following location:

<https://www.ibm.com/support/pages/node/1100259>

The following deliverables are available for download. It includes steps to upgrade packages for Java Runtime Environment (8.0.5.40) of IBM Content Collector.

Product / Component name	Platform	File name
IBM Content Collector V4.0.1.10 IF006 Readme	Not Applicable	4.0.1.10-IBM-ICC-IF006.pdf
IBM Content Collector V4.0.1.10 IF006 Server	Windows	4.0.1.10-IBM-ICC-Server-IF006.zip
	AIX	4.0.1.10-IBM-ICC-AIX-IF006.zip
	Linux	4.0.1.10-IBM-ICC-Linux 32-IF006.zip
	Linux for zSeries	4.0.1.10-IBM-ICC-Linuxz-IF006.zip

### Note:

IBM JAVA 8 32-bit JRE is unavailable for Solaris platform. Therefore, IBM Content Collector 4.0.1.10 Interim Fix 006 is not applicable for Solaris.

## Prerequisites and co-requisites

The server package of IBM Content Collector 4.0.1.10 Interim Fix 006 requires the IBM Content Collector 4.0.1.10 server package as a prerequisite.

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 8.0.5.40, the following permission related may occur while running the 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.
```

### Solution

Run the following commands in the putty tool 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 the fix for IBM Content Collector server

IBM Runtime Environment Java Technology Edition

1. Close the ICC Configuration Manager application and stop the following services in any sequence before applying the fix:
  - All the services on ICC server
  - DB2EXT Service on CM8 server
2. Take a backup of the respective Java / JRE directory underneath the ICC product directory. If you used the default location for installation, the paths are as follows:

Component	Platform	Default Location
Server	Windows	<code>&lt; icc_install_dir &gt;/java</code>
CM8 Text Search Support	Windows	<code>C:/Program Files (x86)/IBM/ICCIndexer/java</code>
CM8 Text Search Support	Unix	<code>/opt/IBM/ICCIndexer/java</code>

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>-IF006) depending on the platform.
4. Start the services stopped in Step 1.

## Removing the fix for IBM Content Collector server

IBM Runtime Environment Java Technology Edition

1. Close the ICC Configuration Manager application and stop the following services in any sequence before applying the fix:
  - All the services on ICC server
  - DB2EXT Service on CM8 Server
2. Navigate to the respective Java/JRE directory and replace the files provided with this fix by the backup copies you made before applying the fix in the previous step.
3. Start the services which were stopped in Step 1.

## Fixes and changes made in version 4.0.1.10 Interim Fix 006

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. A flaw in the java.util component allows an attacker to inflict a DoS via malicious serialized data which triggers an OutOfMemoryError.  
CVE-2019-2769 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-2769>
2. A flaw in the java.lang component allows an attacker to inflict a DoS via malicious serialized data which triggers an OutOfMemoryError.  
CVE-2019-2762 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-2762>
3. A flaw in the java.net API incorrectly converts some Unicode characters when converting Internalized Domain Name URLs into KC normalized form. As a result, characters with syntactic significance (colon, slash etc.) can be injected into URLs.  
CVE-2019-2816 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-2816>
4. A flaw in the java.security.AccessController API allows untrusted code to elevate its privileges.  
CVE-2019-2786 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-2786>
5. A flaw in the java.net component allows untrusted code to elevate its file access privileges.  
CVE-2019-2766 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-2766>
6. A flaw in OpenJ9's String.getBytes() implementation allows untrusted code to elevate its privileges and execute arbitrary code.  
CVE-2019-11772 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-11772>
7. A flaw in OpenJ9's JIT compiler allows untrusted code to elevate its privileges and execute arbitrary code.  
CVE-2019-11775 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-11775>
8. On the AIX platform, various binaries in the IBM JRE/SDK contain inappropriate absolute RPATHs, which may allow local users to inject code into JVM processes launched by other users with higher privileges.  
CVE-2019-4473 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-4473>  
CVE-2019-11771 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-11771>

## Documentation

Not applicable.

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## Document change history

Date	Description of change
1 November 2019	Original version published.