IBM Content Collector
Version 4.0.1.9 Interim Fix 002

Readme

Part 1. IBM Content Collector Version 4.0.1.9 Interim Fix 002

Readme documentation for IBM® Content Collector Version 4.0.1.9 Interim Fix 002 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 4.0.1.9

Update name:
> Interim Fix 002

Fix ID:
> 4.0.1.9-IBM-ICC-IF002

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Download location

Download IBM Content Collector, Version 4.0.1.9 Interim Fix 002, from the following location:

http://www.ibm.com/support/docview.wss?uid=ibm10882358

The following deliverables are available for download. It includes steps to upgrade packages for Java Runtime Environment (**6.0.16.75**) and WebSphere Server (eWAS) Interim fix **IFPH07036, IFPH06340** of IBM Content Collector.

Product / Component name	Platform
4.0.1.9-IBM-ICC-IF002.pdf	(N/A)
4.0.1.9-IBM-ICC-WIN-IF002.zip	Windows

Product / Component name	Platform
4.0.1.9-IBM-ICC-AIX-IF002.zip	AIX
4.0.1.9-IBM-ICC-Linux32-IF002.zip	Linux
4.0.1.9-IBM-ICC-Linuxz-IF002.zip	Linux for zSeries
4.0.1.9-IBM-ICC-Solaris-IF002.zip	Solaris

Prerequisites and co-requisites

The server package of IBM Content Collector V4.0.1.9 Interim Fix 002 requires one of the following IBM Content Collector products installed on your operating system:

- IBM Content Collector V4.0.0.1
- IBM Content Collector V4.0.0.2
- IBM Content Collector V4.0.0.3
- IBM Content Collector V4.0.0.4
- IBM Content Collector V4.0.1.0
- IBM Content Collector V4.0.1.1
- IBM Content Collector V4.0.1.2
- IBM Content Collector V4.0.1.3
- IBM Content Collector V4.0.1.4
- IBM Content Collector V4.0.1.5
- IBM Content Collector V4.0.1.6
- IBM Content Collector V4.0.1.7
- IBM Content Collector V4.0.1.8
- IBM Content Collector V4.0.1.9

Note: Java 6 upgrade is not applicable for CM8 Text Search Support, Version 4.0.1.9 as it uses Java 8 and is not vulnerable.

For information about hardware and software compatibility, see the detailed system requirements document at:

For 4.0.1 - http://www.ibm.com/support/docview.wss?uid=swg27042658

For 4.0 - http://www.ibm.com/support/docview.wss?uid=swg27039384

Known issues

NA

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.

Steps to install the interim fix

I.   For 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 IBM Content Collector Server

   - CSS Service on P8 Server

   - DB2EXT Service on CM8 Server

2. Take a backup of the respective Java/JRE directory underneath 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
P8 content search Support	Windows	C:/Program Files (x86)/IBM/ContentCollector_CSS_Support/java/jre
P8 content Search Support	Unix	/opt/IBM/ContentSearchService/jre

3. Replace the contents of the above Java/JRE directory by the contents of the corresponding fix file (4.0.1.9-IBM-ICC-<PLATFORM>-IF002) depending on the platform.

   For Solaris, extract 4.0.1.9-IBM-ICC-Solaris-IF002.tar.Z zip content into existing jre/java folder.

4. Start the services which were stopped in step I (1).

II.   For WebSphere Server (eWAS)

Note: The fixes are applied by using IBM Installation Manager. If required download the latest Installation Manager package from http://www.ibm.com/support/docview.wss?rs=0&uid=swg27025142 and unzip it.

1. Download the fixes for IBM WebSphere Application Server as described below.

   - **8.0.0.15-WS-WAS-IFPH07036** "Potential spoofing vulnerability in WebSphere Application Server"

   CVE-2018-1902 - http://www.ibm.com/support/docview.wss?uid=ibm10795115

   - **8.0.0.15-WS-WAS-IFPH06340** "Potential denial of service vulnerability in WebSphere Application Server"

   CVE-2019-4046 - http://www.ibm.com/support/docview.wss?uid=ibm10869570

2. Stop the IBM Content Collector Web Application service and IBM Content Collector Documentation service.

3. Start the Installation Manager as follows:

   <IMInstallDir>\eclipse\IBMIM.exe -dataLocation < icc_install_dir >\AFUWeb\IMData

4. In Installation Manager, define the repository that contains the fixes:

   i. Select **File** > **Preferences** > **Repositories**.

   ii. Click **Add Repository**. The repository can be either the .zip file containing the WebSphere Application Server fixes, or if you extracted the .zip file, the repository.config file in the directory that contains the extracted files.

   iii. Click **Update** and follow the instructions in the wizard to apply the fixes.

5. Run the following command to verify if the fix is installed:

   <icc_install_dir>\AFUWeb\ewas\bin\historyInfo.bat

6. In the Configuration Manager, navigate to **General Settings** > **Configuration Web Service** > **Reconfigure**. This starts the services which were stopped in II (2).

Steps to remove the interim fix

I.   For 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 IBM Content Collector Server

   - CSS Service on P8 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 I (1).

II.   For WebSphere Server (eWAS)

1. Stop the IBM Content Collector Web Application service and IBM Content Collector Documentation services.

2. Start the Installation Manager as follows:

   <IMInstallDir>\eclipse\IBMIM.exe -dataLocation <ContentCollectorInstallDir>\AFUWeb\IMData

3. Click **Uninstall** and select the file to be removed.

4. Check the name of the Fix to be removed and click **Next**.

5. Click **Uninstall**.

6. Run the following command to verify if the fix is installed:

7. In the Configuration Manager, navigate to **General Settings** > **Configuration Web Service** > **Reconfigure**. This starts the services which were stopped in II (1).

Fixes and changes made in version 4.0.1.9 Interim Fix 002

This interim fix addresses the following vulnerabilities in IBM Runtime Environment Java Technology Edition, Version 6 and WebSphere Server (eWAS) used by IBM Content Collector.

For IBM Runtime Environment Java Technology Edition:

1. A flaw in the JSSE component means that TLS connections do not always check the validity of the hostname on the server-side certificate.

   CVE-2018-3180 - https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2018-3180

2. A flaw in the implementation of java.net.HttpURLConnection may lead to the exposure of sensitive information in the HTTP headers.

   CVE-2018-3139 - https://cve.mitre.org/cgi-bin/cvename.cgi?name=2018-3139

For WebSphere Server:

1. Potential denial of service vulnerability in WebSphere Application Server.

   CVE-2019-4046 - https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-4046

2. Potential spoofing vulnerability in IBM WebSphere Application Server.

   CVE-2018-1902 - https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2018-1902

Documentation

NA

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Document change history

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