



IBM Content Collector
4.0.1.9 Interim Fix 6

Readme



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IBM Content Collector 4.0.1.9 Interim Fix 6

Readme documentation for IBM® Content Collector 4.0.1.9 Interim Fix 6 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 006

Fix ID:

4.0.1.9-IBM-ICC-IF006

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Download location

The following deliverables are available for download. It includes steps to install the embedded WebSphere Application Server (eWAS) 8.0.0.15 interim fixes: **IFPH17557**, **IFPH19528**, **IFPH20785**, **IFPH20847**, **IFPH23853**, **IFPH25074** and **IFPH26952**.

Product / Component name	Platform	File name
Content Collector 4.0.1.9 IF 6 Readme	Not Applicable	4.0.1.9-IBM-ICC-IF006.pdf

Prerequisites and corequisites

The server package of Content Collector 4.0.1.9 Interim Fix 6 requires one of the following Content Collector versions installed on your operating system.

Content Collector 4.0	Content Collector 4.0.1
<ul style="list-style-type: none"> Content Collector 4.0.0.1 Content Collector 4.0.0.2 Content Collector 4.0.0.3 Content Collector 4.0.0.4 	<ul style="list-style-type: none"> Content Collector 4.0.1.0 Content Collector 4.0.1.1 Content Collector 4.0.1.2 Content Collector 4.0.1.3 Content Collector 4.0.1.4 Content Collector 4.0.1.5 Content Collector 4.0.1.6 Content Collector 4.0.1.7 Content Collector 4.0.1.8 Content Collector 4.0.1.9

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

ICC Release Version	Components	Release Content
ICC 4.0.1.9 Interim Fix 1	Server (P8 Connector, Initial Configuration) OWA Extension	<p>APAR fixes</p> <p><u>HE12465</u>: ICC Initial Config failed with the following error: noclassdeffounderror: com.filenet.apiimpl.core.verityindexareaimpl</p> <p><u>HE12844</u>: ICC OWA 4.0.1.9: OWA Extension Apply configuration fails when OWA Service is installed on different server than OWA extension.</p> <p><u>HE12893</u>: Archival to FileNet P8 5.5.2 fails when single-valued or multi-valued property is mapped to a blank value.</p> <p>Internal defects</p> <p><u>69176</u>: ICC for Files: Archival to FileNet P8 5.5.2 fails when single-valued or multi-valued property is mapped to a blank value.</p> <p><u>69192</u>: ICC Initial Config failed with the following error: noclassdeffounderror: com.filenet.apiimpl.core.verityindexareaimpl</p> <p><u>69198</u>: ICC for OWA 4.0.1.9: OWA Extension Apply configuration fails when OWA Service is installed on different server than OWA extension.</p>
ICC 4.0.1.9 Interim Fix 2	Server	<p>eWAS PSIRT fixes CVE-2019-4046, CVE-2018-1902 <u>Solution</u>: Apply IFPH06340, IFPH07036.</p> <p>Java PSIRT fixes CVE-2018-3180, CVE-2018-3139 <u>Solution</u>: Upgrade Java to 6.0.16.75.</p>
ICC 4.0.1.9 Interim Fix 3	Server (Web Application)	<p>eWAS PSIRT fix CVE-2018-1996 <u>Solution</u>: Apply IFPH05769.</p>

ICC Release Version	Components	Release Content
ICC 4.0.1.9 Interim Fix 4	Server (Web Application)	eWAS PSIRT fix CVE-2019-4441 <u>Solution:</u> Apply IFPH13983.
ICC 4.0.1.9 Interim Fix 5	Server (Web Application)	eWAS PSIRT fixes CVE-2019-4268, CVE-2019-4270, CVE-2019-4442, CVE-2019-4477 <u>Solution:</u> Apply IFPH01617, IFPH14004, IFPH11319, IFPH12325 and IFPH11248.

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

- [Prerequisites for IBM Content Collector 4.0](#)
- [Prerequisites for IBM Content Collector 4.0.1](#)

Note: For ICC 4.0, before applying this fix, we need to upgrade the WebSphere Application Server (WAS) version to 8.0.0.15 using ICC 4.0.1.8 IF 8.

Known issues

No known issues.

Installation information

Notes

- 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:

Directory path with spaces: *C:\Program Files (x86)\IBM\ContentCollector* should be written as

Desired path: *c:\progra~2\IBM\ContentCollector*.

You can find the short name for a directory by running this command: *dir /x*.

Installing on IBM Content Collector server

Note: The fixes are applied by using IBM Installation Manager. If required, download the latest Installation Manager package from [Installation Manager and Packaging Utility download documents](#) and extract its contents.

1. Download the fixes for IBM WebSphere Application Server.

8.0.0.15-WS-WASEmbedded-IFPH17557: WebSphere Application Server Admin Console needs updated Apache Commons beanutils library.

CVE-2019-10086 - <https://www.ibm.com/support/pages/node/1110453>

8.0.0.15-WS-WAS-IFPH19528: Denial of Service in WebSphere Application Server.

CVE-2019-4720 - <https://www.ibm.com/support/pages/node/1284580>

8.0.0.15-WS-WAS-IFPH20785: WebSphere Application Server is vulnerable to command execution.

CVE-2020-4163 - <https://www.ibm.com/support/pages/node/1288654>

8.0.0.15-WS-WAS-IFPH20847: Information disclosure in WebSphere Application Server.

CVE-2020-4329 - <https://www.ibm.com/support/pages/node/6198862>

8.0.0.15-WS-WAS-IFPH23853: WebSphere Application Server is vulnerable to a privilege escalation vulnerability.

CVE-2020-4362, CVE-2020-4276 - <https://www.ibm.com/support/pages/node/6174273>

8.0.0.15-WS-WAS-IFPH25074: WebSphere Application Server IIOP Deserialization of Untrusted Data Remote Code Execution Vulnerability.

CVE-2020-4449, CVE-2020-4450 - <https://www.ibm.com/support/pages/node/6220276>

8.0.0.15-WS-WAS-IFPH26952: IBM WebSphere Application Server SOAP Deserialization of Untrusted Data Remote Code Execution Vulnerability.

CVE-2020-4464 - <https://www.ibm.com/support/pages/node/6249987>

2. Stop the following services.

- IBM Content Collector Web Application
- IBM Content Collector Documentation

3. Start the Installation Manager using the following command in the administrator command prompt:

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

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

- a. Go to **Repositories** under **Preferences** in **File** menu.
- b. Click **Add Repository**. The repository can be either of the following:
 - The unextracted .zip file containing the WebSphere Application Server fixes, or
 - The **repository.config** file from the extracted fix folder.
- c. Click **Update** and uncheck “Show recommended only” to select all fixes.
- d. Follow the instructions in the wizard to apply the fixes.

Note: On clicking **Update**, if you see “**@@@TOKEN_EWAS_IMDATA@@@**” in the **Directory** field, perform the following steps:

- i. Close Installation Manager.
- ii. Open the administrator command prompt and navigate to `<icc_install_dir>\AFUWeb\ewas\bin` directory path.

Note: If ICC is installed in the default location, use the following command to change the directory.

On a 32-bit operating system: `cd C:\progra~1\IBM\ContentCollector\AFUWeb\ewas\bin`

On a 64-bit operating system: `cd C:\progra~2\IBM\ContentCollector\AFUWeb\ewas\bin`

- iii. Run the following command:

```
ewasPostUnzip.bat
```

- iv. Repeat the steps from Step 3.

5. Run the following command to ensure that the fix is installed:

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

6. In Configuration Manager, click **Reconfigure** under **Configuration Web Service** in **General Settings** menu. This starts the services stopped in Step 2.

Uninstalling from IBM Content Collector server

1. Stop the following services.
 - IBM Content Collector Web Application
 - IBM Content Collector Documentation
2. Start the Installation Manager using the following command in the administrator command prompt.
`<IMInstallDir>\eclipse\IBMIM.exe -dataLocation <ContentCollectorInstallDir>\AFUWeb\IMData`
3. Click **Uninstall** and select the file to be removed.
4. Select the name of the Fix to be removed and click **Next**.
5. Click **Uninstall**.
6. Run the following command to ensure that the fix is uninstalled:
`<icc_install_dir>\AFUWeb\ewas\bin\historyInfo.bat`
7. In the Configuration Manager, click **Reconfigure** under **Configuration Web Service** in **General Settings** menu. This starts the services stopped in Step 1.

Fixes and changes

This interim fix addresses the following vulnerability in embedded WebSphere Application Server (eWAS) used by Content Collector.

There is a vulnerability in Apache Commons Beanutils that is used by WebSphere Application Server.

CVE-2019-10086 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-10086>

There is a denial of service vulnerability in WebSphere Application Server.

CVE-2019-4720 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2019-4720>

WebSphere Application Server is vulnerable to a command execution vulnerability.

CVE-2020-4163 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4163>

Information disclosure in WebSphere Application Server.

CVE-2020-4329 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4329>

There is a privilege escalation vulnerability in WebSphere Application Server.

CVE-2020-4276 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4276>

CVE-2020-4362 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4362>

WebSphere Application Server is vulnerable to an information exposure vulnerability.

CVE-2020-4449 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4449>

CVE-2020-4450 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4450>

WebSphere Application Server is vulnerable to a remote code execution vulnerability.

CVE-2020-4464 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-4464>

Documentation

- [Download Content Collector 4.0.1.9 Interim Fix 6](#) (Readme document)
- [Download Collector 4.0.1.9 Interim Fix 6 from Fix Central](#) (Fix files)

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Document change history

Date	Description of change
06 August 2020	Original version published