



IBM Content Collector
4.0.1.9 Interim Fix 14

Readme

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IBM Content Collector 4.0.1.9 Interim Fix 14

Readme documentation for IBM® Content Collector 4.0.1.9 interim fix 14 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 014

Fix ID:

4.0.1.9-IBM-ICC-IF014

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Download location

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

Download Collector 4.0.1.9 interim fix 14 fix files

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%2BContent%2BManagement&product=ibm/Information+Management/Content+Collector&release=4.0.1.9&platform=ALL&function=fixId&fixids=4.0.1.9-IBM-ICC-IF014&includeRequisites=1&includeSuperse>

It includes steps to install the embedded WebSphere Application Server (eWAS) 8.0.0.15 interim fix PH46342, PH46816, PH47385, PH49111.

Product/ Component name	Platform	File name
IBM Content Collector 4.0.1.9 interim fix 14 readme https://www.ibm.com/support/pages/node/6846211	Not applicable	4.0.1.9-IBM-ICC-IF014.pdf

Prerequisites and corequisites

Important:

For Content Collector 4.0.1.8 and earlier: You need to upgrade the embedded WebSphere Application Server (eWAS) to 8.0.0.15, which comes with Content Collector 4.0.1 fix pack 8 interim fix 8 (ICC 4.0.1.8 interim fix 8).

Download IBM Content Collector 4.0.1.8 interim fix 8

<https://www.ibm.com/support/pages/node/741765>

1. The server package of this interim fix 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 • 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

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

Content Collector release version	Components	Release content
Content Collector 4.0.1.9 interim fix 1 https://www.ibm.com/support/pages/node/882336	Server (P8 Connector, Initial Configuration) OWA Extension	<p>APAR fixes</p> <p><u>HE12465</u>: ICC Initial Config failed with the following error: no class found for error: 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>

Content Collector release version	Components	Release content
		<p>69192: ICC Initial Config failed with the following error: no class def found error: com.filenet.apiimpl.core.verity.indexarea.impl</p> <p>69198: ICC for OWA 4.0.1.9: OWA Extension Apply configuration fails when OWA Service is installed on different server than OWA extension.</p>
Content Collector 4.0.1.9 interim fix 2 https://www.ibm.com/support/pages/node/882358	Server	<p>eWAS PSIRT fixes CVE-2019-4046, CVE-2018-1902 Solution: Apply interim fixes PH06340 and PH07036.</p> <p>Java PSIRT fixes CVE-2018-3180, CVE-2018-3139 Solution: Upgrade Java to 6.0.16.75.</p>
Content Collector 4.0.1.9 interim fix 3 https://www.ibm.com/support/pages/node/967207	Server (Web Application)	<p>eWAS PSIRT fix CVE-2018-1996</p> <p>Solution: Apply interim fix PH05769.</p>
Content Collector 4.0.1.9 interim fix 4 https://www.ibm.com/support/pages/node/1284196	Server (Web Application)	<p>eWAS PSIRT fix CVE-2019-4441</p> <p>Solution: Apply interim fix PH13983.</p>
Content Collector 4.0.1.9 interim fix 5 https://www.ibm.com/support/pages/node/5695257	Server (Web Application)	<p>eWAS PSIRT fixes CVE-2019-4268, CVE-2019-4270, CVE-2019-4442, CVE-2019-4477</p> <p>Solution: Apply interim fixes PH01617, PH14004, PH11319, PH12325 and PH11248.</p>
Content Collector 4.0.1.9 interim fix 6 https://www.ibm.com/support/pages/node/6255978	Server (Web Application)	<p>eWAS PSIRT fixes CVE-2019-4720, CVE-2019-10086, CVE-2020-4163, CVE-2020-4329, CVE-2020-4276, CVE-2020-4362, CVE-2020-4449, CVE-2020-4450, CVE-2020-4464</p> <p>Solution: Apply interim fixes PH17557, PH19528, PH20785, PH20847, PH23853, PH25074 and PH26952.</p>
Content Collector 4.0.1.9 interim fix 7 https://www.ibm.com/support/pages/node/6353381	Server (Web Application)	<p>eWAS PSIRT fixes CVE-2020-4534, CVE-2020-4576, CVE-2020-4578, CVE-2020-4589, CVE-2020-4629, CVE-2020-4643</p> <p>Solution: Apply interim fixes PH26083, PH27157, PH26220, PH27414, PH27583 and PH27509.</p>
Content Collector 4.0.1.9 interim fix 8 https://www.ibm.com/support/pages/node/6410434	Server (Web Application)	<p>eWAS PSIRT fix CVE-2020-4782</p> <p>Solution: Apply interim fix PH29871.</p>

Content Collector release version	Components	Release content
Content Collector 4.0.1.9 interim fix 9 https://www.ibm.com/support/pages/node/6447471	Server (Web Application)	eWAS PSIRT fixes CVE-2020-5016, CVE-2021-20353 <u>Solution:</u> Apply interim fixes PH33228 and PH33037.
Content Collector 4.0.1.9 interim fix 10 https://www.ibm.com/support/pages/node/6456221	Server (Web Application)	eWAS PSIRT fixes CVE-2020-5258, CVE-2021-20453, CVE-2021-20454, CVE-2021-20480, CVE-2021-26296, CVE-2011-1498, CVE-2012-6153, CVE-2014-3577, CVE-2015-5262 <u>Solution:</u> Apply interim fixes PH33994, PH 3 4048 , PH34067, PH34122, PH34501, PH34711 and PH34944.
Content Collector 4.0.1.9 interim fix 11 https://www.ibm.com/support/pages/node/6518896	Server (Web Application)	eWAS PSIRT fixes CVE-2021-29736 <u>Solution:</u> Apply interim fix PH34690
Content Collector 4.0.1.9 interim fix 12 https://www.ibm.com/support/pages/node/6561605	Server (Web Application)	eWAS PSIRT fixes CVE-2021-38951 <u>Solution:</u> Apply interim fix PH41676
Content Collector 4.0.1.9 interim fix 13 https://www.ibm.com/support/pages/node/6258225	Server (Web Application)	eWAS PSIRT fixes CVE-2021-23450 <u>Solution:</u> Apply interim fix PH43148

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

- **Latest updates:** IBM Software Product Compatibility Reports
<https://www.ibm.com/software/reports/compatibility/clarity/index.html>
- **Additional information:**
 - Prerequisites for IBM Content Collector 4.0 - <https://www.ibm.com/support/pages/node/612697>
 - Prerequisites for IBM Content Collector 4.0.1 - <https://www.ibm.com/support/pages/node/614445>

Known issues

No known issues.

Installation information

Notes:

- 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. 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 the following and extract its contents:

Installation Manager and Packaging Utility download documents

<https://www.ibm.com/support/pages/node/609575>

1. Download the fix for IBM WebSphere Application Server:
 - a. **8.0.0.15-WS-WASEmbedded-IFPH46342:** IBM WebSphere Application Server is vulnerable to remote code execution due to Dojo.
CVE-2022-22473 - <https://www.ibm.com/support/pages/node/6603421>
 - b. **8.0.0.15-WS-WASEmbedded-IFPH46816:** IBM WebSphere Application Server is vulnerable to remote code execution due to Dojo.
CVE-2022-34165 - <https://www.ibm.com/support/pages/node/6618747>
 - c. **8.0.0.15-WS-WASEmbedded-IFPH47385:** IBM WebSphere Application Server is vulnerable to remote code execution due to Dojo.
CVE-2022-35282 - <https://www.ibm.com/support/pages/node/6824179>
 - d. **8.0.0.15-WS-WASEmbedded-IFPH49111:** IBM WebSphere Application Server is vulnerable to remote code execution due to Dojo.
CVE-2022-38712 - <https://www.ibm.com/support/pages/node/6829907>
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:
`<IM_installation_dir>\eclipse\IBMIM.exe -dataLocation <ICC_installation_directory>\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_installation_directory>\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_installation_directory>\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:

`<IM_installation_dir>\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_installation_directory>\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 the embedded WebSphere Application Server (eWAS) used by Content Collector:

1. IBM WebSphere Application Server is vulnerable to information disclosure. A Remote attacker to obtain sensitive information caused by improper handling of Administrative Console data. This fix resolves it.
CVE-2022-22473 – <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2022-22473>
2. IBM WebSphere Application Server is vulnerable to HTTP header injection. This fix resolves it.
CVE-2022-34165 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2022-34165>
3. IBM WebSphere Application Server is vulnerable to Server-side Request Forgery. This fix resolves it.
CVE-2022-35282 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2022-35282>
4. IBM WebSphere Application Server is vulnerable to SOAP Action spoofing. This fix resolves it.
CVE-2022-38712 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2022-38712>

Documentation

- Download IBM Content Collector 4.0.1.9 interim fix 14 (Readme file)
<https://www.ibm.com/support/pages/node/6846211>
Note: For the latest version of the Readme file, use this link.
- 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 4.0.0 documentation
<https://www.ibm.com/docs/en/content-collector/4.0.0>
- IBM Content Collector 4.0.1 documentation
<https://www.ibm.com/docs/en/content-collector/4.0.1>

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Document change history

Date	Description of change
13 December 2022	Original version published