

IBM Content Collector
4.0.1.15 Interim Fix 8

Readme

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IBM Content Collector 4.0.1.15 Interim Fix 8

Readme documentation for IBM® Content Collector 4.0.1.15 interim fix 8 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 4.0.1.15

Update Name:

Interim Fix 008

Fix ID:

4.0.1.15-IBM-ICC-IF008

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Download location

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

Download Collector 4.0.1.15 interim fix 8 fix files

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%2BContent%2BManagement&product=IBM/Information+Management/Content+Collector&release=4.0.1.15&platform=ALL&function=fixId&fixids=4.0.1.15-IBM-ICC-IF008&includeRequisites=1&includeSuperse>

It includes steps to upgrade Struts to 2.5.33, which are used by Content Collector.

| Product / Component name | Platform | File name |
|--|----------------|--------------------------------|
| IBM Content Collector 4.0.1.15 interim fix 8 readme https://www.ibm.com/support/pages/node/7105444 | Not applicable | 4.0.1.15-IBM-ICC-IF008.pdf |
| IBM Content Collector Server https://www.ibm.com/support/fixcentral | Windows | 4.0.1.15-IBM-ICC-WIN-IF008.zip |

Prerequisites and corequisites

- The server package of this interim fix requires one of the following Content Collector versions installed on your operating system:

| Content Collector 4.0.1 |
|--|
| <ul style="list-style-type: none"> Content Collector 4.0.1.10 Content Collector 4.0.1.11 Content Collector 4.0.1.12 Content Collector 4.0.1.13 Content Collector 4.0.1.14 Content Collector 4.0.1.15 |

- This interim fix is completely independent of following interim fixes and can be deployed on top of the specified interim fixes:

| Content Collector release version | Components | Release content |
|---|-----------------------------------|---|
| Content Collector 4.0.1.15 interim fix 1 https://www.ibm.com/support/pages/node/6823863 | Server | Java PSIRT fixes CVE-2022-21496, CVE-2022-21434, CVE-2022-21443, CVE-2022-21299, CVE-2021-35561 <u>Solution</u> : Upgrade Java to 8.0.7.10 |
| Content Collector 4.0.1.15 interim fix 2 https://www.ibm.com/support/pages/node/6846217 | Server (Web Application) | Liberty PSIRT fixes CVE-2022-34165 <u>Solution</u> : Upgrade Liberty to 22.0.0.10 |
| Content Collector 4.0.1.15 interim fix 3 https://www.ibm.com/support/pages/node/6954449 | Server | Java PSIRT fixes CVE-2022-3676, CVE-2022-21624 <u>Solution</u> : Upgrade Java to 8.0.7.20 |
| Content Collector 4.0.1.15 interim fix 4 https://www.ibm.com/support/pages/node/7006055 | P8 Content Search service support | P8 Content Search service support plugin fix files: 1. Support for Semeru Java 11 for Content Platform Engine. 2. Support enablement for keystore type JCEKS and PKCS12 to establish SSL connection. |

| Content Collector release version | Components | Release content |
|--|---|--|
| Content Collector 4.0.1.15interim fix 5 https://www.ibm.com/support/pages/node/7005863 | Server CM8 Text Search Support | Java PSIRT fixes CVE-2022-21426 <u>Solution:</u> Upgrade Java to 8.0.8.0. |
| Content Collector 4.0.1.15interim fix 6 https://www.ibm.com/support/pages/node/7030364 | Server | Java PSIRT fixes CVE-2023-21930, CVE-2023-21967, CVE-2023-21938, CVE-2023-2597, CVE-2022-40609 Struts PSIRT fixes CVE-2023-34396,CVE-2023-34149 <u>Solution:</u> Upgrade Java to 8.0.8.5, and Struts to 2.5.31 |
| Content Collector 4.0.1.15interim fix 7 https://www.ibm.com/support/pages/node/7031985 | Server | Log4j upgrade 2.19.0 APAR Fixes HE13098, HE13100, HE13109, HE13 110, HE13111 |

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

You can apply this fix directly on Content Collector 4.0.1 fix pack 15 (4.0.1.15).

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`.

Windows only: Upgrading Struts

The following section provides information on how to upgrade Struts.

Prerequisite

1. Download and extract the fix files, 4.0.1.15-IBM-ICC-WIN-IF008.zip, 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=4.0.1.15&platform=ALL&function=fixId&fixids=4.0.1.15-IBM-ICC-IF008&includeRequisites=1&includeSuperse>

2. The Struts fixes are available in the folder named **AFUWeb**.

Installing

1. Stop the IBM Content Collector Web Application service on the IBM Content Collector Server.
2. Run the following script from the administrator command prompt to remove the existing extracted EAR files:
afu_ewas_undeploy.bat
3. Take a backup and delete the following files:
 - a. AFUWeb\afu_web.ear
 - b. AFUWeb\DocViewer.ear
 - c. AFUWeb\DocViewer\DocViewer.ear
 - d. AFUWeb\DocViewer\win64\DocViewer.ear
4. Extract the contents of the folder that has the Struts fixes, **AFUWeb** folder ([Prerequisite Step 2](#)).
5. Copy the **afu_web.ear** file and paste it in the following directory:
 - a. AFUWeb
6. Copy the **DocViewer.ear** file and paste it in the following directories:
 - a. AFUWeb\
 - b. AFUWeb\DocViewer\
7. Copy the **DocViewer_win64\DocViewer.ear** file and paste it in the following directories:
 - a. AFUWeb\DocViewer\win64\
8. Run the following script from the administrator command prompt to deploy the existing as well as the newly replaced EAR files:
afu_ewas_deploy.bat
9. Reconfigure the Web Application Service.

Uninstalling this fix

The following section provides information on how to rollback Struts.

Uninstalling Struts upgrade

The following steps roll back the current version of Struts on your system to the version you backed up.

1. Stop the IBM Content Collector Web Application service on the IBM Content Collector Server.
2. Run the following script from the administrator command prompt to remove the extracted EAR files:
afu_ewas_undeploy.bat
3. Delete the following files:
 - a. AFUWeb\afu_web.ear
 - b. AFUWeb\DocViewer.ear
 - c. AFUWeb\DocViewer\DocViewer.ear
 - d. AFUWeb\DocViewer\win64\DocViewer.ear
4. Restore the **afu_web.ear** file that you backed up in Step 3 of [installation](#) and paste it in the following directory:
 - a. AFUWeb
5. Restore the **DocViewer.ear** file that you backed up in Step 3 of [installation](#) and paste it in the following directories:
 - a. AFUWeb\
b. AFUWeb\DocViewer\
6. Restore the **DocViewer.ear** file that you backed up in Step 3 of installation and paste it in the following directories:
 - a. AFUWeb\DocViewer\win64\
7. Run the following script from the administrator command prompt to reinstall the applications that you uninstalled in Step 2:
afu_ewas_deploy.bat
8. Reconfigure the Web Application Service.

Fixes and changes

This interim fix addresses the following security vulnerabilities in the Struts used by Content Collector.

Security vulnerabilities

Struts Upgrade

1. Apache Struts is vulnerable to an attacker to manipulate file upload params to enable paths traversal and under some circumstances this can lead to uploading a malicious file which can be used to perform Remote Code Execution. The fix corrects the flaw.

CVE-2023-50164 - <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2023-50164>

Fixed defects

No defects

Documentation

- Download IBM Content Collector 4.0.1.15 interim fix 8 (Readme file)
<https://www.ibm.com/support/pages/node/7105444>
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 4.0.1 documentation
<https://www.ibm.com/docs/en/content-collector/4.0.1>

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Document change history

| Date | Description of change |
|-----------------|----------------------------|
| 05 January 2024 | Original version published |