

IBM Content Collector
4.0.1.9 Interim Fix 11

Readme

© International Business Machines Corporation, 2021. All rights reserved.

IBM Content Collector 4.0.1.9 Interim Fix 11

Readme documentation for IBM® Content Collector 4.0.1.9 interim fix 11 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 011

Fix ID:

4.0.1.9-IBM-ICC-IF011

Publication date:

24 November 2021

Last modified date:

24 November 2021

Contents

- [Download location](#) on page 3
- [Prerequisites and corequisites](#) on page 4
- [Known issues](#) on page 6
- [Installation information](#) on page 6
- [Fixes and changes](#) on page 8
- [Documentation](#) on page 8
- [Notices](#) on page 9
- [Document change history](#) on page 11

Download location

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

Download Collector 4.0.1.9 interim fix 11 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-IF011&includeRequisites=1&includeSuperse>

It includes steps to install the embedded WebSphere Application Server (eWAS) 8.0.0.15 interim fix PH34690.

| Product / Component name | Platform | File name |
|--|----------------|---------------------------|
| IBM Content Collector 4.0.1.9 interim fix 11 readme https://www.ibm.com/support/pages/node/6518896 | Not applicable | 4.0.1.9-IBM-ICC-IF011.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>HE12465: ICC Initial Config failed with the following error: noclassdeffounderror: com.filenet.apiimpl.core.verityindexareaimpl</p> <p>HE12844: ICC OWA 4.0.1.9: OWA Extension Apply configuration fails when OWA Service is installed on different server than OWA extension.</p> <p>HE12893: 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>69176: 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>69192: ICC Initial Config failed with the following</p> |

| Content Collector release version | Components | Release content |
|--|--------------------------|--|
| | | <p>error: noclassdeffoundererror: 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> |
| 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, PH34048, PH34067, PH34122, PH34501, PH34711 and PH34944. |

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-WAS-IFPH34690:** WebSphere Application Server is vulnerable to a Privilege Escalation vulnerability.
CVE-2021-29736 - <https://www.ibm.com/support/pages/node/6473705>
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 could allow a remote user to gain elevated privileges on the system.
 CVE-2021-29736- <https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2021-29736>

Documentation

- Download IBM Content Collector 4.0.1.9 interim fix 11 (Readme file)
<https://www.ibm.com/support/pages/node/6518896>
 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>

Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Legal and Intellectual Property Law
IBM Japan Ltd.
1623-14, Shimotsuruma, Yamato-shi
Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Deutschland GmbH
Department M358
IBM-Allee 1
71139 Ehningen
Germany

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this information and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurement may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice and represent goals and objectives only.

All IBM prices shown are IBM's suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrates programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

A.1 Trademarks

IBM, the IBM logo, and [ibm.com](http://www.ibm.com) are trademarks of International Business Machines Corporation, registered in many jurisdictions worldwide. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at <https://www.ibm.com/legal/copytrade>.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

The Oracle Outside In Technology included herein is subject to a restricted use license and can only be used in conjunction with this application.

Other product and service names might be trademarks of IBM or other companies.

Document change history

| Date | Description of change |
|------------------|----------------------------|
| 24 November 2021 | Original version published |