IBM Content Collector
4.0.1.9 Interim Fix 6

Readme

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

Publication date:
> 06 August 2020

Last modified date:
> 06 August 2020

Contents

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
- Content Collector 4.0.0.1 - Content Collector 4.0.0.2 - Content Collector 4.0.0.3 - Content Collector 4.0.0.4	- 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	**APAR fixes** HE12465: ICC Initial Config failed with the following error: noclassdeffounderror: com.filenet.apiimpl.core.verityindexareaimpl HE12844: ICC OWA 4.0.1.9: OWA Extension **Apply configuration** fails when OWA Service is installed on different server than OWA extension. HE12893: Archival to FileNet P8 5.5.2 fails when single-valued or multi-valued property is mapped to a blank value. **Internal defects** 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. 69192: ICC Initial Config failed with the following error: noclassdeffounderror: com.filenet.apiimpl.core.verityindexareaimpl 69198: ICC for OWA 4.0.1.9: OWA Extension **Apply configuration** fails when OWA Service is installed on different server than OWA extension.
ICC 4.0.1.9 Interim Fix 2	Server	**eWAS PSIRT fixes** CVE-2019-4046, CVE-2018-1902 Solution: Apply IFPH06340, IFPH07036. **Java PSIRT fixes** CVE-2018-3180, CVE-2018-3139 Solution: Upgrade Java to 6.0.16.75.
ICC 4.0.1.9 Interim Fix 3	Server (Web Application)	**eWAS PSIRT fix** CVE-2018-1996 Solution: Apply IFPH05769.

ICC Release Version	Components	Release Content
ICC 4.0.1.9 Interim Fix 4	Server (Web Application)	**eWAS PSIRT fix** CVE-2019-4441 Solution: 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 Solution: 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-WASEmbeded-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)

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 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
06 August 2020	Original version published