



IBM Content Collector
Version 4.0.1.10

Readme



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Part 1. IBM Content Collector Version 4.0.1 Fix Pack 10 Readme

Readme documentation for IBM® Content Collector Version 4.0.1 Fix Pack 10 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.

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Contents

- [Download location](#) on page 1
- [Prerequisites and co-requisites](#) on page 2
- [Known issues / Limitation](#) on page 2
- [Installation information](#) on page 3
- [Fixes and changes made in version 4.0.1.10](#) on page 4
- [Documentation](#) on page 5
- [Notices](#) on page 5
- [Document change history](#) on page 7

Download location

Download IBM Content Collector, Version 4.0.1 Fix Pack 10, from the following location:

<http://www.ibm.com/support/docview.wss?uid=ibm10883002>

The following deliverables are available for download.

Product / Component name	File name	Platform
IBM Content Collector V4.0.1 FP010 Readme	4.0.1.10-IBM-ICC-FP010.pdf	(N/A)
IBM Content Collector V4.0.1 FP010 Server	4.0.1.10-IBM-ICC-Server-FP010.zip	Windows

Prerequisites and co-requisites

The server package of IBM Content Collector V4.0.1 Fix Pack 10 requires IBM Content Collector V4.0.1 installed on your operating system.

For information about hardware and software compatibility, see the detailed system requirements document at <http://www.ibm.com/support/docview.wss?uid=swg27042658>.

Known issues / Limitations

IBM WebSphere Liberty Application Server Migration

1. Support for IBM Content Collector Web Application services application programming interfaces (APIs) is not available in 4.0.1 Fix Pack 10.
2. Web Application deployment on the External Web Application Server is not supported with this release.
3. After upgrading to 4.0.1 Fix Pack 10, the IBM Content Collector Web Application **IsAlive** page may give a '500 Error' on the first launch. This may be due to longer time taken by deployment during Fix Pack installation, causing an incomplete extraction of AfuFolder. This can be resolved by uninstalling and reinstalling the IBM Content Collector Web Application.
4. When launched through the IBM Notes client, the IBM Content Collector Search page may sometimes fail to load due to the SSL handshake communication error. To resolve this issue, follow the below steps for recreating the certificate:
 - a. Delete **key.p12** from
 <<ICC installation directory >>\AFUWeb\wlp\usr\servers\AFUWeb\resources\security
 - b. Navigate to **AFUWeb** directory and run afu_ewas_exchange_cert.bat. This step creates the certificate store used by Liberty.
 - c. Restart the IBM Content Collector Liberty Web application.
5. During the uninstallation of the ICC Web Application or during the Content Collector Repair, if additional certificates were added to the Liberty certificate keystore, perform the following steps because the types of certificates are different for eWAS and WebSphere Liberty:
 - a. When uninstalling the Web application Liberty profile, take a back up liberty profile directory
 "..\AFUWeb\resources\security"
 - b. When installation of web application Liberty profile is completed, restore back the certificate to liberty profile directory "..\AFUWeb\resources\security"
 - c. Reconfigure the web application service.

Microsoft Windows Server 2019 Support

1. The IBM Content Collector for Domino on Microsoft Windows Server 2019 operating system requires IBM Domino 9.0.1 FP10 (32-bit) installed on your operating system. The IBM Domino Server 9.0.1 (32-bit) base on Microsoft Windows Server 2019 may fail with security error logged in Application event logs. The error can be avoided by disabling DEP settings on the IBM Content Collector Server.

To disable DEP setting,

- a. Go to Control Panel > System > Advanced system settings > Advanced Tab > Performance Section - Settings > Data Execution Prevention Tab.
- b. Select **Turn on DEP for essential Windows programs and services only**.
- c. Restart the IBM Content Collector Server.

FileNet P8 CPE 5.5.2 Support

1. The IBM Content Collector fix pack installation may run into prerequisite missing error if the FileNet CE Client and the FileNet Client API are upgraded from older 32-bit versions to the FileNet CE Client and the FileNet Client API v5.5.2 which comes only in 64-bit versions.

In case of this upgrade, install locations are not updated correctly in registry and hence the IBM Content Collector cannot identify the appropriate prerequisite installation. This may further lead to IBM Content Collector Web Application issues.

To address this issue, it is recommended to install fresh 64-bit 5.5.2 prerequisites on the IBM Content Collector Server instead of upgrading the prerequisites from the older 32-bit version.

Other known problems, restrictions, and solutions that affect administration and usage of fix packs are documented as technotes in the product support knowledge database.

To review all the known problems, restrictions, and solutions that affect Version 4.0.1 fix packs, use the following link to query the product support knowledge database:

<http://www.ibm.com/support/search.wss?tc=SSAE9L&atrnl=SWVersion&atr1=4.0.1&rankprofile=8&dc=DA400&dtm>

Installation information

Apply IBM Content Collector V4.0.1 Fix Pack 10 to update IBM Content Collector V4.0.1 or V4.0.1.1 or V4.0.1.2 or V4.0.1.3 or V4.0.1.4 or V4.0.1.5 or V4.0.1.6 or V4.0.1.7 or V4.0.1.8 or V4.0.1.9.

Prior to installation

Before you install the fix pack in a production environment, make sure that you have a complete backup or snapshot of your system so that you can roll back the fix pack installation should a problem arise. If you have modified any of the configuration files, take a backup of the modified files including any configuration changes in the AFUWeb directory such as **afumessage.properties** and **custom_label.properties** before installing the fix pack.

Installing

To update IBM Content Collector V4.0.1 or V4.0.1.1 or V4.0.1.2 or V4.0.1.3 or V4.0.1.4 or V4.0.1.5 or V4.0.1.6 or V4.0.1.7 or V4.0.1.8 or V4.0.1.9 with IBM Content Collector V4.0.1 Fix Pack 10, complete the following steps:

For IBM Content Collector Server

1. Back up your configuration store.
2. During the uninstallation of web application, eWAS keystores are backed up in the directory, ICC_Install_Dir\AFUWeb_cert_backup. If the directory is not created, back up all the .p12 files present in ICC_Install_Dir\AFUWeb\ewas\profiles\AFUWeb\config\cells\<CELL_NAME>\nodes\<NODE_NAME>
3. Make sure all the IBM Content Collector services are stopped.
4. Install IBM Content Collector Server V4.0.1 Fix Pack 10.
Important: Do not change the host name of the IBM Content Collector Web Application during installation. Changing the host name will make all previously created stub links unusable. Do not run the Initial Configuration Wizard.
5. If Lotus® Domino® is one of your source systems and your Domino template contains IBM Content

Collector functionality, re-enable the existing template. From the Windows start menu, select **All Programs > IBM Content Collector > Set-up Tools > Domino Template Enablement**.

6. If you run the IBM Content Collector in a cluster and use the Cluster Tool **afuClusterTool.exe** to configure the cluster, please run **afuClusterTool.exe** with the appropriate options to make sure that the cluster is configured to fit your environment. For example, ensure the first and secondary configuration hosts are set correctly. Refer to [SolidDB Setup in an IBM Content Collector cluster](#) to verify if the IBM Content Collector cluster is set up successfully.
7. Restart the Task Routing Engine and the IBM Content Collector Web Application service.

Note: In case of Configuration issues during search, preview or for cluster setup you can perform **Configuration Web Service** from the Configuration Manager > General Settings.

For all the other components, install the respective IBM Content Collector V4.0.1 Fix Pack 10 package.

Notice: During the installation on Windows platform, Windows firewall might pop up blocking program warnings. In this case, you should mark them as 'Trusted' and add them into the network access trust list.

Post Installation

If additional certificates (such as CA certificates) were added to the keystore and / or trust store perform the steps below:

1. Open cmd and run **ikeyman**
The IBM Key Management utility opens.
2. In the IBM Key Management utility, select Key Database File > Open
3. Select PKCS12 as key database type.
4. In the File name field, specify the file name key.p12
5. In the Location field, specify the backup location .
6. Click OK.
7. Select the certificate(s) to be added to Liberty.
8. Click Extract.
9. Select default encoding type and specify filename with .cer extension
10. Click OK
11. For extracting certificates from trust store repeat steps 2 – 10 by specifying file name as trust.p12 in step 4
12. To add extracted certificates to Liberty Keystore, , select Key Database File > Open
13. Select PKCS12 as key database type.
14. In the File name field, specify the file name key.p12
15. In the Location field, specify *ICCinstallDir\AFUWeb\wlp\usr\servers\AfuWeb\resources\security*
16. Extracted certificates can be added in "Personal Certificates" by doing following:
 - a. Select "Personal Certificates"
 - b. Click Receive
 - c. Specify the certificate file
 - d. Click OK
17. Extracted certificates can be added in "Signer Certificates" by doing following:
 - a. Select "Personal Certificates"
 - b. Click Add
 - c. Specify the certificate file
 - d. Click OK
18. Close IBM Key Management utility.

Note: In Liberty, a single keystore is used as default keystore and trust store.

Fixes and changes made in version 4.0.1.10

New Features

1. CM 8.6 Connector Support for IBM Content Collector

The IBM Content Collector Server now supports the use of CM 8.6 connector to connect with CM 8.6 Server and also continues to be compatible with the older cm8.5 version.

2. IBM WebSphere Liberty Application Server Migration

Starting with IBM Content Collector 4.0.1 Fix Pack 10, the IBM Content Collector Web Application Server has been migrated from IBM eWAS (Embedded WebSphere Application Server) to IBM WebSphere Liberty Application Server. The version used in this release is 19.0.0.3.

With this migration, the IBM Content Collector now has the modifications in the deployment Scripts and IBM Content Collector Web Application components like AfuWeb, Configuration, Services, API, Docviewer, Report Viewer to support WebSphere Liberty Runtime. Migration to WebSphere Liberty does not have many functional differences compared to the traditional eWAS other than the ones listed under Known issues / Limitations section of this document.

3. JAVA Upgrade

Starting with IBM Content Collector 4.0.1 Fix Pack 10, the IBM Content Collector Server has been upgraded to use IBM Java 8. The current IBM Java version used is 8.0.5.10 as earlier IBM Content Collector versions continue to use IBM Java 6.

4. Microsoft Windows Server 2019 Support

Starting with this release, the IBM Content Collector now supports and has been qualified with Microsoft Windows Server 2019 for the following components:

- IBM Content Collector Server
- IBM Content Collector SharePoint Extension
- IBM Content Collector P8 CSS Support
- IBM Content Collector CM8 Text Search Support
- Microsoft Windows Server 2019 as a File System Collection Source

Notes:

- The qualification is done using Windows Server 2019 Data Center edition and the functionality shall remain the same with Windows Server 2019 Standard edition.
- The Microsoft Windows Server 2019 Essential edition and Server core installations are not supported.
- The IBM Content Collector for IBM Domino requires IBM Domino Server 9.0.1 FP10 (32-bit) as a prerequisite on the IBM Content Collector Server.
- The IBM Content Collector for OWA is not qualified on Windows Server 2019 as Windows Server 2019 requires OWA 2019 only / no prior versions. And OWA 2019 is yet to be supported by IBM Content Collector.

5. Support of IBM Domino 9.0.1 FP10

The IBM Content Collector now enables users to mark documents for archiving or stubbing, to search, view, or restore archived content using IBM Domino 9.0.1 FP10.

Fixed APARs

APAR HE12703 is fixed in this release. For details, refer to the IBM Content Collector V4.0.1 Fix Pack 10 download page at:

<http://www.ibm.com/support/docview.wss?uid=ibm10883002>

Documentation

The following support documentation is available on IBM WebSphere Liberty Application Server Migration:

<http://www.ibm.com/support/docview.wss?uid=ibm10883054>

Online documentation and updates to the documentation

The IBM Content Collector product documentation is available on the web at:

http://www.ibm.com/support/knowledgecenter/SSAE9L_4.0.1/contentcollector_4.0.1.htm

For product information that is missing or is incorrect in the IBM Content Collector documentation, see the technote about corrections and updates to the documentation for IBM Content Collector V4.0.1:

<http://www.ibm.com/support/docview.wss?uid=swg27043841>

PDF documentation

The PDF documentation is at the level of IBM Content Collector V4.0.1.

See the IBM Content Collector publication library for links to PDF documentation in English and other languages:

<http://www.ibm.com/support/docview.wss?uid=swg27042659>

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30 April 2019	Original version published