



IBM Content Collector

Version 4.0.1.17

Readme

IBM Content Collector 4.0.1 Fix Pack 17 Readme

Readme documentation for IBM® Content Collector 4.0.1 fix pack 17 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 4.0.1.17

Update name:

Fix Pack 17

Fix ID:

4.0.1.17-IBM-ICC-FP017

Publication date:

26 June 2026

Last modified date:

26 June 2026

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New in this fix pack

Encryption Security Enhancement

Enhanced the ICC encryption framework by transitioning to the AES/GCM encryption algorithm for all newly encrypted data, providing stronger security and improved protection of sensitive information. The implementation maintains backward compatibility by continuing to support decryption of data previously encrypted using DES and AES/CBC, ensuring seamless access to existing encrypted content.

Exchange On-Premises Archival Performance and Stability Enhancements

Introduced performance optimizations for Exchange On-Premises archival operations, resulting in faster processing, improved system responsiveness, and increased stability for ICC cluster configurations.

For more information:- <https://www.ibm.com/support/pages/node/7277888>

Email Archiving Date Filter Enhancement

Introduced an "On or After" date filtering option for Email Archiving Collectors, allowing more precise date-based archival selection and improved flexibility for email archiving operations.

SharePoint and Exchange Online Compatibility Enhancements

Implemented multiple updates for SharePoint Online and Exchange Online integrations, including migration to Microsoft Graph PowerShell commands, updated third-party libraries, and fixes for document stubbing, metadata extraction, time zone handling, and content approval scenarios. These enhancements improve compatibility with Microsoft platform changes, increase operational reliability, and resolve several known issues affecting archival and post-processing operations.

For more information:- <https://www.ibm.com/support/pages/node/7237447>

SharePoint Integration Enhancement

Removed the dependency on SharePoint Add-ins by introducing automatic SharePoint column management and an integrated document restoration mechanism, ensuring continued compatibility with future SharePoint platform changes

For more information:- <https://www.ibm.com/support/pages/node/7268010>

Remote Manager Security and Configuration Enhancements

Enhanced security for Remote Manager communications by adding optional SSL/TLS encrypted connections on port 4555. Sensitive credentials and encryption keys are now externally configurable, improving security, maintainability, and deployment flexibility.

CM8 Qualification

In the Fix pack IBM Content Collector installer is qualified with IBM CM8.7 IF 03.
In Addition , we have fixed the CM8 Prerequisite missing issue in the Fix Pack.

Content Cortex Qualification

In the Fix pack IBM Content Collector installer is qualified with IBM Content Cortex CPE/CSS 26.0.0

For more information:- <https://www.ibm.com/support/pages/node/7277691>

Merged Previous Interim Fixes

We have merged all the previous interim fixes from 4.0.1.16-IBM-ICC-IF001 to 4.0.1.16-IBM-ICC-IF007 in this installer.

For more information: - <https://www.ibm.com/support/pages/node/7269383>

Download location

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

Download Content Collector 4.0.1 fix pack 17 fix files

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%2BContent%2BManagement&product=ibm/Information+Management/Content+Collector&release=4.0.1.17&platform=ALL&function=fixId&fixids=4.0.1.17-IBM-ICC-FP017&includeRequisites=1&includeSuperse>

Product or Component name	Platform	File name
Content Collector 4.0.1 fix pack 17 readme file https://www.ibm.com/support/pages/node/7277091	Not applicable	4.0.1.17-IBM-ICC-FP017.pdf
Content Collector 4.0.1 fix pack17 Server	Windows	4.0.1.17-IBM-ICC-Server-FP017.zip
Content Collector 4.0.1 fix pack17 ICC App for SharePoint Online	Windows	4.0.1.17-IBM-ICC-SharePointOnline-FP017.zip (\SharePointOnline\ICC_WebApp_for_Link_handler)
Content Collector 4.0.1 fix pack17 Notes Client Extension	Windows	4.0.1.17-IBM-ICC-NotesClient-FP017.zip
Content Collector 4.0.1 fix pack17 Outlook Extension (32-bit)	Windows	4.0.1.17-IBM-ICC-OE-32Bit-FP017.zip
Content Collector 4.0.1 fix pack17 Outlook Extension (64-bit)	Windows	4.0.1.17-IBM-ICC-OE-64Bit-FP017.zip
Content Collector 4.0.1 fix pack17 OWA Support	Windows	4.0.1.17-IBM-ICC-OWA-FP017.zip
Content Collector 4.0.1 fix pack17 P8 Content Search Services support	AIX	4.0.1.17-IBM-ICC-P8CSS-AIX-FP017.tar.gz
	Linux	4.0.1.17-IBM-ICC-P8CSS-Linux-FP017.tar.gz
	Windows	4.0.1.17-IBM-ICC-P8CSS-WIN-FP017.zip
Content Collector 4.0.1 fix pack 17 CM8 Db2 Text Search Support	AIX	4.0.1.17-IBM-ICC-CM8-Db2TS-AIX-FP017.tar.gz
	Linux	4.0.1.17-IBM-ICC-CM8-Db2TS-Linux-FP017.tar.gz
	Windows	4.0.1.17-IBM-ICC-CM8-Db2TS-WIN-FP017.zip

Prerequisites and corequisites

The server package of this fix pack requires the server package of Content Collector 4.0.1. This fix pack can also be installed on top of any of the previous fix packs of Content Collector 4.0.1.

Note: The current server package includes all the fixes to date.

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 4.0.1
<https://www.ibm.com/support/pages/node/614445>

1. NuGet packages and required dynamic link libraries (DLL) in Global Assembly Cache (GAC)

You need to install the NuGet packages to deploy Microsoft SharePoint Online related DLLs in GAC. Earlier, the Microsoft DLLs were shipped along with the Content Collector installation package. However, from Content Collector 4.0.1 fix pack 13 (4.0.1.13) and later, you need to run a PowerShell script, `ICC_SPO_Prerequisite_NuGetPackages_Installer.ps1` for installing the NuGet packages.

A. Fresh installation of Content Collector 4.0.1 or 4.0.1.12 and earlier

Prerequisite for running the PowerShell script

1. Ensure that you have the minimum versions of the following software installed on the IBM Content Collector Server:

Windows: PowerShell 5.1 and later

Non-Windows: PowerShell 7.x and later

2. Ensure that the user ID that is used for running the PowerShell script has download permissions.

B. Running the PowerShell script

1. Open the PowerShell as an administrator.
2. Execute the `ICC_SPO_Prerequisite_NuGetPackages_Installer.ps1` script to download and install the required NuGet packages.

IMPORTANT: Note that the PowerShell script is also a prerequisite for running the ICC WebApp for Link Handler and ICC App for SharePoint Online installers. So, ensure that you do not run the app installers before running this script.

2. IBM Content Collector component matrix

The following is a list of the latest versions of other components which can be installed with this fix pack:

Components	Content Collector version	What's new
Outlook Web Application (OWA)	4.0.1.17-IBM-ICC	- Added AES/GCM encryption - Security Vulnerability Remediation (CWE Fixes) - Upgraded Java to 8.0.8.65
SharePoint Online WebApp for Link Handler	4.0.1.17-IBM-ICC	- Added AES/GCM encryption - Security Vulnerability Remediation (CWE Fixes) - Upgraded Java to 8.0.8.65
Outlook Extension (32-bit or 64-bit)	4.0.1.17-IBM-ICC	- Security Vulnerability Remediation (CWE Fixes) - Upgraded Java to 8.0.8.65
P8 Content Search Services support	4.0.1.17-IBM-ICC (Windows, Linux, AIX)	- Security Vulnerability Remediation (CWE Fixes) - Upgraded Java to 8.0.8.65
CM8 Db2 Text Search support	4.0.1.17-IBM-ICC (Windows, Linux, AIX)	- Indexing Performance Enhancement - Added AES/GCM encryption - Upgraded Java to 8.0.8.65
Notes Client	4.0.1.17-IBM-ICC	Upgraded Java to 8.0.8.65

3.The MasterKey file

The MasterKey.txt file stores the auto-generated encryption key that is used for the IBM Content Collector Server (ICC Server) and its related components. The file is created after installation of this fix pack when you start Content Collector for the first time.

For information on all the scenarios where the MasterKey.txt file is generated and used, refer to:

Prerequisites for running Content Collector Server and its components

<https://www.ibm.com/docs/en/content-collector/4.0.1?topic=restrictions-prerequisites-running-content-collector-server-its-components>

Known issues and Limitations

None

Note: - IBM FileNet has been renamed to IBM Content Cortex. The current release of Content Collector continues to display the legacy UI label "FileNet" in certain screens and configuration areas.

This is a UI-labelling issue only and does not affect functionality or compatibility. The UI terminology will be updated from "FileNet" to "Content Cortex" in a future release.

Installation information

You can either apply this fix directly on Content Collector 4.0.1 or on top of any of the previous fix packs of Content Collector 4.0.1.

Preparing to install

Before you install the fix pack in a production environment, ensure that you have a complete backup or a snapshot of your system so that you can roll back the fix pack installation should a problem arise.

If you have modified any configuration files, take backup of those files too including any configuration changes in the AFUWeb directory such as afumessage.properties and custom_label.properties.

Additionally, prior to the fix pack installation, navigate to <ICC_installation_directory>\ctms folder and verify if the contents of the ews.properties file comprises of the ClientID, tenantID and client_secret. If the file contains these keys, take a backup of this file to a directory outside the Content Collector installation directory.

For SharePoint Online users, navigate to <ICC_installation_directory>\ctms and take a backup of the SharePointOnlineClient.dll.config file, masterkey.txt file, and the <ICC_installation_directory>\tools\SharePointOnlineMgApp\Certificates folder. If Link Handler is used for stubbing, also take a backup of the entire C:\inetpub\wwwroot\ICCRestoreLinkWeb folder.

On Windows: The firewall might prompt you to block the program alerts (pop-up windows). Mark them 'Trusted' and add them to the network access trust list.

Installing the IBM Content Collector server

1. Back up your configuration store.
2. If you are migrating from fix pack 10 interim fix 7 (4.0.1.7) or earlier, back up the Liberty keystores (**p12 files**) present in the following location:
 - i. <ICC_installation_directory>\AFUWeb\wlp\usr\servers\AFUWeb\resources\security
3. Make sure all the Content Collector services are stopped.
4. Install this fix pack (4.0.1.17-IBM-ICC-Server-FP017.zip).
 - i. **Important:**
5. Do not change the host name of the Content Collector Web Application during installation. Changing the host name will make all previously created stub links unusable.
6. Do not run the Initial Configuration wizard.
7. If you run the Content Collector in a cluster and use the Cluster Tool **afuClusterTool.exe** file to configure the cluster, run **afuClusterTool.exe** file 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.

- i. For verifying whether SolidDB is set up successfully in Content Collector cluster, refer to the following:

- ii. **SolidDB setup in a Content Collector cluster**

- iii. <https://www.ibm.com/support/pages/node/261685>

8. Restart the Task Routing Engine and the Content Collector Web Application service.

- a. **Note:** In case you face any issues during the configuration process; for example, during search or preview or cluster setup, go to the **Configuration Web Service** section in the **General Settings** tab of the Configuration Manager and click **Reconfigure** again.
- b. For all the other components, install the respective installer package.

Post-installation

If you are migrating from fix pack 10 interim fix 7 (4.0.10.7) or earlier, restore the Liberty keystores (p12 files) you backed up in the 'Preparing to install' section of this document, in the following location:

<ICC_installation_directory>\AFUWeb\wlp\usr\servers\AFUWeb\resources\security

Additionally, if the backup copy of the ews.properties file comprises of the ClientID, tenantID and client_secret, replace the file deployed in the <ICC_installation_directory>\ctms folder with the backup copy of the file. If not, retain the default file that is generated during installation of this fix pack, in the said location.

For SharePoint Online users, if the backup copy of the SharePointOnlineClient.dll.config file contains the values for LinkHandlerPath, TenantId, ClientId, CertificatePath, and CertificatePassword, replace the file deployed in the <ICC_installation_directory>\ctms folder with the backup copy. Otherwise, retain the default file generated during the installation of this fix pack in that location.

The same applies to the web.config file in the C:\inetpub\wwwroot\ICCRestoreLinkWeb folder.

Installing Microsoft Entra ID App for Content Collector for Email

If the Microsoft Entra ID App has been registered, deregister the existing app (refer to section B below) and re-register the app (refer to section A below) for encryption changes to take effect

A. Prerequisites and Registering

Refer to IBM Content Collector Entra Id Support for Microsoft Exchange Online:
<https://www.ibm.com/support/pages/node/6259361>

B. Deregistering

- Navigate to the following directory:
<ICC_installation_directory>\tools\ExchangeOnlineMGApp
- Open **PowerShell** with Administrator privileges.
- Run the **cleanup.ps1** script to deregister the Microsoft Entra Id App.
- Sign in when prompted.

Note :- The Microsoft Entra Id App will be deleted from the tenant (if it exists) and the corresponding properties will also be deleted from the **ews.properties** file.

Fixes and changes

This section provides details of the fixes and vulnerabilities covered in this fix pack.

Security Vulnerability Remediation (CWE Fixes)

Implemented code changes across the Email, File System, and SharePoint connectors to address identified Common Weakness Enumeration (CWE) security findings. These enhancements improve the overall security posture of IBM Content Collector by mitigating potential vulnerabilities and strengthening secure data processing.

Security Vulnerability Fixes – Apache Tika

Upgraded Apache Tika to address critical XML External Entity (XXE) vulnerabilities (CVE-2025-54988, CVE-2025-66516) affecting PDF/XFA file processing.

CVE ID	CWE	CVSS Base Score	CVSS Vector
CVE-2025-54988	Critical XXE in Apache Tika (tika-parser-pdf-module) via crafted XFA file inside a PDF, allowing sensitive data disclosure or malicious requests to internal/third-party servers	8.4	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N
CVE-2025-66516	Critical XXE in Apache Tika (tika-core, tika-pdf-module, tika-parsers) via crafted XFA file inside a PDF; expands scope of CVE-2025-54988 as root cause resides in tika-core	9.8	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Java Runtime Environment (JRE) Upgrade

The bundled Java Runtime Environment (JRE) has been upgraded to Java 8.0.8.65 to incorporate the latest maintenance, security, and stability enhancements.

These CVEs relate to vulnerabilities in the bundled Java SE runtime, remediated via the JRE upgrade

to 8.0.8.65 included in this release. Severity ranges from Low (2.9) to High (7.5).

CVE ID	CWE	CVSS Base Score	CVSS Vector
CVE-2026-22016	CWE-200: Exposure of Sensitive Information	7.5	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N
CVE-2026-22021	CWE-400: Uncontrolled Resource Consumption	5.3	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:L
CVE-2026-22013	CWE-693: Protection Mechanism Failure	5.3	CVSS:3.1/AV:N/AC:H/PR:N/UI:R/S:U/C:H/I:N/A:N
CVE-2026-22018	CWE-770: Allocation of Resources Without Limits	3.7	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L
CVE-2026-34268	CWE-200: Exposure of Sensitive Information	2.9	CVSS:3.1/AV:L/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N
CVE-2026-22007	CWE-200: Exposure of Sensitive Information	2.9	CVSS:3.1/AV:L/AC:H/PR:N/UI:N/S:U/C:L/I:N/A:N

Documentation

- Download IBM Content Collector 4.0.1 fix pack 17
<https://www.ibm.com/support/pages/node/7277091>

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
26 June 2026	Original version published