

# IBM Enterprise Records

Version 5.2.1

Fix Pack 6

*Readme*

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# IBM Enterprise Records 5.2.1 Fix Pack 6 Readme: IER 5.2.1-FP006

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**Readme file for:** IBM® Enterprise Records

**Update name:** 5.2.1.6

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## About this fix pack

This document provides information about the IBM Enterprise Records 5.2.1 fix pack 6. Hereby referred to as IER 5.2.1.6-FP006 in this document.

This fix is available as an update to an existing Enterprise Records 5.2.1 or any of the fix packs 1 to 5 installation, on IBM Fix Central:

<http://www.ibm.com/support/fixcentral/>

## Accessing IBM FileNet documentation, compatibility matrices, and fix packs

- To access documentation and fix packs, check IBM Enterprise Records 5.2.1 documentation: <https://www.ibm.com/docs/en/enterprise-records/5.2.1>
- To access support matrices, check IBM Software Product Compatibility Reports (SPCR): <https://www.ibm.com/software/reports/compatibility/clarity/index.html>

## New in this fix pack

1. Introduced Java logging APIs instead of Log4j APIs. For more information, refer to the following topic in Enterprise Records 5.2.1 documentation:

### Configuring logging

<https://ibm.com/docs/en/enterprise-records/5.2.1?topic=records-configuring-logging>

2. Support for IBM Automation Document Processing. For more information, refer to the following topic in Enterprise Records 5.2.1 documentation:

### Managing records in IBM Automation Document Processing

<https://ibm.com/docs/en/enterprise-records/5.2.1?topic=records-managing-in-automation-document-processing>

3. Upgraded the minimum supported Java version from 6 to 8
4. Support for using Enterprise Records with:
  - IBM Content Navigator 3.0.10
  - IBM FileNet P8 Content Platform Engine 5.5.7

## Enterprise Records Configuration Manager:

5. Upgraded Eclipse from 3.7.2 to 4.6.3
6. Upgraded from JDK 1.7 to JRE 8.0.6.26

## Additional support:

7. IBM Cloud Pak for Business Automation 21.0.2 operator

## No longer supported:

8. Log4j APIs
9. PRO data model  
For related information, refer to the following topic in Enterprise Records 5.2.1 documentation:

### Converting a PRO data model to a Base data model

<https://ibm.com/docs/en/enterprise-records/5.2.1?topic=manager-converting-pro-data-model-base-data-model>

## Fixed defects

- **APAR:** Authorized Program Analysis Report
- **PMR:** Defect tracking system number
- **FCD:** Fixed content device

The following table lists the fix history:

IER 5.2.1 FP006			
APAR	PMR	Area	Description
PJ46223	TS003682005	User interface	Issue with sorting order of the file plans after upgrading IBM Content Navigator to 3.0.7 interim fix 2.
PJ46239	TS004694796	User interface	<b>Add Record Category / Declare Physical Record</b> buttons disappear after Import Export Migration tool is used.
PJ46247	TS004691626	User interface	Issue with sorting order of the results displayed in <b>Search and Workflow</b> panel.
PJ46285	TS005048625	User interface	Enterprise Records slows down while opening file plan.
PJ46286	TS005200560	User interface	The out-of-the-box (OOTB) <b>Relocate</b> action does not work in Enterprise Records desktop.
Not applicable	Not applicable	User interface	Common API Call: CrossSiteScripting: HTML injection using InnerHTML in VueJS

## Known issues

### IBM Content Navigator 3.0.8 - 3.0.10 limitations

Depending on the browser you use, you may get the following error message while running the Cognos reports in Chrome or Firefox browsers:

*Content Security Policy: The page's settings blocked the loading of a resource*

Resolution: Refer to the following support document:

#### **How to configure the Content Security Policy header in IBM Content Navigator**

<https://www.ibm.com/support/pages/node/6229174>

**Note:** Add the header HTTP or HTTPS values according to the Enterprise Records environment setup. Example of adding an HTTP header:

```
<add-header name="Content-Security-Policy" value="default-src 'self' blob: http:; font-src 'self' data: blob: http:; img-src 'self' data: blob: http:; script-src 'self' 'unsafe-inline' 'unsafe-eval' http:; worker-src 'self' blob: http:; style-src 'self' 'unsafe-inline' http:; frame-ancestors 'self'; connect-src 'self' blob: http: http://<Report Server IP>:* wss://<Report Server IP>:*" path="/.*/>
```

## For Traditional installation

1. Deletion of all the profiles during installation

All the existing profiles are removed during installation of this fix pack.

### Workaround:

- a. Before starting the installation, take a backup of all the existing profiles.
- b. After the installation is successful, restore the profiles to their original locations.

2. **Linux:** Configuration Manager does not start after installing Enterprise Records

After Enterprise Records is successfully installed, the Configuration Manager does not start on the supported Linux platforms.

Workaround: Modify the following contents of the **config.ini** file located at:  
<IER\_installation\_path>/configuration/config.ini

- a. cm.location=<IER\_installation\_path>/configure
- b. cm.loggingproperties=<IER\_installation\_path>/configure/configuration/cmlogging.properties

## Uninstalling Enterprise Records

**Windows:** During uninstalling Enterprise Records, you are likely to face an error that results in unsuccessful uninstallation.

Workaround: Perform the following steps to manually remove Enterprise Records:

1. Open File Explorer and go to the **View** Tab. Select **Hidden items** to see all the hidden files.
2. Go to the following path:  
C:\Program Files (x86)\Zero G Registry
3. Take a backup of the following file: .com.zerog.registry.xml.
4. Edit the .com.zerog.registry.xml file as per the following:
  - a. Delete the Enterprise Records <product> tag.  
It starts with <product name="IBM Enterprise Records"... and ends with </product>.
5. Save the file.
6. Go to the following path:  
C:\Program Files\Zero G Registry
7. Repeat steps 3 and 4.  
  
**Note:** Remember to select the **Hidden items** to see all the hidden files.
8. Save the file.

## For Container installation

**Important:** You must set the `ier_license` parameter to 'accept'.

No known issues.

## Installation, migration, upgrade, and configuration

This section contains the following topics:

[Requirements](#)

[Prerequisite](#)

[Installing this fix pack](#)

[Upgrading Enterprise Records](#)

[Configuring IBM Content Navigator for Enterprise Records](#)

[Upgrading Enterprise Records tools](#)

[Configuring FilePlan Import Export tool](#)

[Configuring Enterprise Records components for SSL support](#)

[Importing Certificate Authority certificate or server key](#)

## NOTES

1. To install this fix, you must have Enterprise Records 5.2.1 or any of the fix packs 1 to 5 installed.
2. Any virus protection software that might be running in the background does not affect the installation of this fix pack.
3. The installation procedures contain path names for AIX, Linux, Windows®, and zLinux. If there is no difference in directory structure, a forward slash (/) is used to separate the elements of a path name for AIX, Linux, Windows®, and zLinux.
4. The procedures use `<IER_installation_path>` as a variable to indicate the location of the installed IBM Enterprise Records source files. The default location for this variable is:

**AIX, Linux, and zLinux:** `/opt/IBM/EnterpriseRecords`

**Windows:** `C:\Program Files\IBM\EnterpriseRecords`

**Windows® 64-bit:** `C:\Program Files (x86)\IBM\EnterpriseRecords`

5. The procedures use `<ICN_installation_path>` as a variable to indicate the location of the installed IBM Content Navigator source files. The default location for this variable is:

**AIX, Linux, and zLinux:** `/opt/IBM/ECMClient`

**Windows:** `C:\Program Files\IBM\ECMClient`

**Windows® 64-bit:** `C:\Program Files (x86)\IBM\ECMClient`

6. For more information about installing Enterprise Records, see the following topics in Enterprise Records 5.2.1 documentation:
- **Installing Enterprise Records using containers**  
<https://www.ibm.com/docs/en/enterprise-records/5.2.1?topic=records-installing-enterprise-using-containers>
  - **Installing Enterprise Records on-premises**  
<https://www.ibm.com/docs/en/enterprise-records/5.2.1?topic=records-installing-enterprise-premises>

## Requirements

Installation of this fix pack requires up to 395 MB of available permanent storage space on the Enterprise Records server.

This fix pack requires the following minimum versions of the supporting IBM software:

### For Traditional installation

- IBM Enterprise Records 5.2.1
- IBM Content Navigator 3.0.9
- IBM FileNet P8 Content Platform Engine 5.5.6

### For Container installation

- IBM Content Navigator 3.0.9
- IBM FileNet P8 Content Platform Engine 5.5.5

For more information on *IBM FileNet P8 Hardware and Software requirements* see:

### IBM Software Product Compatibility Reports

<https://www.ibm.com/software/reports/compatibility/clarity/softwareReqsForProduct.html>

For more information on *IBM FileNet P8 Fix Pack Compatibility Matrices*, see:

### FileNet P8 Fix Pack Compatibility Matrices

<https://www.ibm.com/support/pages/node/321543>

## Prerequisite

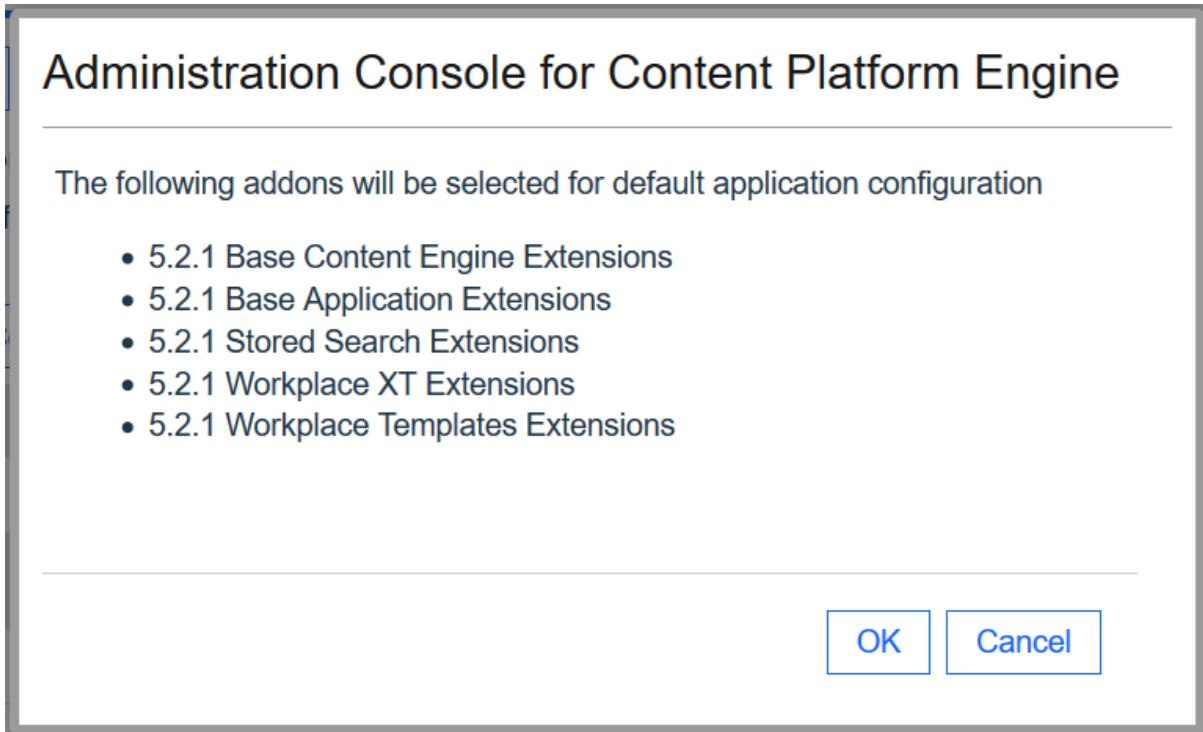
For configuring FilePlan object stores we need the following add-ons. Ensure that the following add-ons are selected before installing this fix pack:

1. Installing add-on '5.2.1 Base Application Extensions'
2. Installing add-on '5.2.1 Base Content Engine Extensions'
3. Installing add-on '5.2.1 Process Engine Extensions'
4. Installing add-on '5.2.1 Publishing Extensions'
5. Installing add-on '5.2.1 Stored Search Extensions'
6. Installing add-on '5.2.1 Workplace Access Roles Extensions'
7. Installing add-on '5.2.1 Workplace Base Extensions'
8. Installing add-on '5.2.1 Workplace E-mail Extensions'



9. Installing add-on '5.2.1 Workplace Forms Extensions'
10. Installing add-on '5.2.1 Workplace Templates Extensions'
11. Installing add-on '5.2.1 Workplace XT Extensions'

**Note:** While creating object stores in IBM FileNet P8 Content Platform Engine 5.5.7, only a few add-ons are selected by default, as shown in the following screenshot. Ensure that you select all the mentioned add-ons correctly.



### Installing this fix pack

**Note:** Introduced a new procedure for configuring IBM Content Navigator Task Manager for Enterprise Records. For more information, refer to the following topic in Enterprise Records 5.2.1 documentation:

#### **Configuring the IBM Content Navigator task manager for Enterprise Records**

<https://www.ibm.com/docs/en/enterprise-records/5.2.1?topic=in-configuring-content-navigator-task-manager-enterprise-records>

## For Traditional installation

1. Download the following fix files for your operating system from the IBM Fix Central:

<https://www.ibm.com/support/fixcentral/swg/downloadFixes?parent=Enterprise%20Content%20Management&product=ibm/Information+Management/IBM+Enterprise+Records&release=5.2.1&platform=All&function=fixId&fixids=5.2.1.6-IER-FP006&includeRequisites=1&includeSupersedes=0&downloadMethod=http>

- 5.2.1.6-IER-FP006-AIX.tar
- 5.2.1.6-IER-FP006-LINUX.tar
- 5.2.1.6-IER-FP006-WIN.zip
- 5.2.1.6-IER-FP006-ZLINUX.tar

2. Log on to the Enterprise Records server:

**Windows:** Log on as a member of the local administrators group or a user with equivalent permissions.

**UNIX:** Log on as a user with root-like privileges.

You should log on as the same user that installed the Enterprise Records, or as a user with equivalent permissions.

3. Take a backup of your current installation.
4. Run the Enterprise Records installer.
5. Re-run the Content Platform Engine Client (CPEC).
6. Log on to the server where your latest version of Enterprise Records is installed.

**AIX, Linux, and zLinux:** Log on as a root user, or a user with equivalent permissions.

**Windows:** Log on as a member of the local administrators group or a user with equivalent permissions.

You should log on as the same user that installed the Enterprise Records, or as a user with equivalent permissions.

7. Restart your application server.

## For Container installation

1. Download the following fix files for your operating system from the IBM Fix Central:

<https://www.ibm.com/support/fixcentral/swg/downloadFixes?parent=Enterprise%20Content%20Management&product=ibm/Information+Management/IBM+Enterprise+Records&release=5.2.1&platform=All&function=fixId&fixids=5.2.1.6-IER-FP006&includeRequisites=1&includeSupersedes=0&downloadMethod=http>

- 5.2.1.6-IER-FP006-Container.zip
- 521-IER-OPERATOR-IF003.tgz

2. Extract the contents of the fix into a temporary location on your Enterprise Records server.
3. Load the container image on your local docker registry.

For more information on upgrading the automation container, see the following topic in Enterprise Records 5.2.1 documentation:

#### Upgrading automation container

<https://www.ibm.com/docs/en/enterprise-records/5.2.1?topic=containers-upgrading-automation-container>

4. Update the Enterprise Records image in your custom resource (CR) and apply the CR.

### Upgrading Enterprise Records

The following procedure upgrades an existing version of Enterprise Records 5.2.1 or fix packs 1 to 5 to Enterprise Records 5.2.1 fix pack 6 (5.2.1.6).

**NOTE:** This fix pack upgrades the Enterprise Records administration client.

1. Stop your application server.
2. Stop any Enterprise Records tools that may be running. For example, Disposition Sweep, FilePlan Import Export tool, RMTransfer tool.
3. Take a backup of your current installation along with all the existing profiles of Enterprise Records from the following paths:
  - ConfigManager profiles from:  
<IER\_installation\_path>\EnterpriseRecords\configure\profiles
  - RecordManagerSweep profiles from:  
<IER\_installation\_path>\EnterpriseRecords\RecordsManagerSweep\lib\config
  - FilePlan Import Export tool profiles from:  
<IER\_installation\_path>\EnterpriseRecords\FilePlanImportExportTool\lib\config

**IMPORTANT:** Not backing up the profiles will lead to deletion of the existing profiles.

4. Upgrade Enterprise Records.
  - a. Download the fix pack for your operating system from the IBM Fix Central:  
<http://www.ibm.com/support/fixcentral/>
  - b. Run the Setup program on the Enterprise Records application server by using one of the following commands:
    - To upgrade interactively:  
**AIX, Linux, and zLinux:** ./5.2.1.6-IER-FP006-<operating\_system>.BIN  
**Windows:** 5.2.1.6-IER-FP006-WIN.exe
    - To upgrade silently, make the appropriate modifications to the ier\_silent\_install.txt file and then run the command:

**AIX, Linux, and zLinux:** ./5.2.1.6-IER-FP006-<operating\_system>.BIN -i silent -f ier\_silent\_install.txt

**Windows:** 5.2.1.6-IER-FP006-WIN.exe -i silent -f ier\_silent\_install.txt

- c. If you are upgrading interactively, follow the Wizard to complete the setup process.
- d. Verify that no errors or failures were logged in the IBM\_Enterprise\_Records\_5.2.1.6.Log file in <IER\_installation\_path>/Logs.

If any issues are logged, resolve them.

- e. Restore the profiles you backed up in Step 3, to their original locations.
- f. Re-run the Content Platform Engine Client (CPEC).
- g. Restart your application server.
- h. Redeploy the Enterprise Records plug-in for IBM Content Navigator.

## A. Configuring IBM Content Navigator for Enterprise Records

1. Copy IERApplicationPlugin.jar from <IER\_installation\_path>/Plugins/EnterpriseRecordsPlugin/ to <ICN\_installation\_path>/dropins.
2. Copy IERApplicationPlugin.jar from <IER\_installation\_path>/Plugins/EnterpriseRecordsPlugin/ to <ICN\_installation\_path>/configure/explodedformat/taskManager/taskManagerWeb/WEB-INF/dropins.
3. Redeploy IBM Content Navigator using the IBM Content Navigator Configuration Manager. Complete the following tasks.
  - a. Configure the Task Manager component.
  - b. Configure the IBM Content Navigator web application.
  - c. Build the web application.
  - d. Deploy the web application.

## B. Upgrading Enterprise Records tools

On each relevant server, complete the following steps only when the API component is not on the same server as the Enterprise Records plug-in for IBM Content Navigator.

1. Download the fix pack for your operating system from the IBM Fix Central:  
<http://www.ibm.com/support/fixcentral/>
2. Run the Setup program on the server by using one of the following commands:
  - To upgrade interactively:

**AIX, Linux, and zLinux:** ./5.2.1.6-IER-FP006-<operating\_system>.bin

**Windows:** 5.2.1.6-IER-FP006-WIN.exe

- To upgrade silently:

**AIX, Linux, and zLinux:** `./5.2.1.6-IER-FP006-<operating_system>.bin -i silent -f ier_silent_install.txt`

**Windows:** `5.2.1.6-IER-FP006-Win.exe -i silent -f ier_silent_install.txt`

3. If you are upgrading interactively, complete the setup screens.
4. Verify that no errors or failures are logged in the IBM\_Enterprise\_Records\_5.2.1.6.Log file in `<IER_installation_path>/logs`.
5. Correct any errors before proceeding.

### C. Configuring FilePlan Import Export tool

For information on configuring the FilePlan tool, refer to the following topic in Enterprise Records 5.2.1 documentation:

#### Using the FilePlan Import Export tool

<https://ibm.com/docs/en/enterprise-records/5.2.1?topic=plans-using-fileplan-import-export-tool>

To successfully configure the FilePlan Import Export tool, you must make changes to the batch file (Linux OS: **SH** file, Windows OS: **BAT** file) depending on the type and version of the application server you use.

### D. Configuring Enterprise Records components for SSL support

If you are running Enterprise Records in an SSL environment, configure the port and connection for the following components:

- Hold Sweep
- Disposition Sweep
- FilePlan Import Export Tool

**NOTE:** You must configure Hold Sweep, Disposition Sweep, and the FilePlan Import Export tool on each server where these components are installed. See the IBM Enterprise Records online help for details about configuring the tools.

Specify HTTPS as the connection type. The port numbers that you specify are dependent on your system, and the protocol and the type of application server you are using. For details about the default port numbers, see *Setting up Content Platform Engine and client transport SSL security*:

#### Setting up Content Platform Engine and client transport SSL security

<https://www.ibm.com/docs/en/filenet-p8-platform/5.5.x?topic=cst-setting-up-content-platform-engine-client-transport-ssl-security>

## E. Importing Certificate Authority certificate or server key

To complete the configuration of Enterprise Records components, you must also import the Certificate Authority (CA) certificate or server key to the JDK (Java) keystore. This is the same CA certificate or server key that is requested for Content Engine. You can use the default keystore or create a custom location.

- A. To use the JDK default Java keystore:
  1. Use the key tool to import the CA certificate to the Java keystore at `<JAVA_HOME>\jre\lib\security\cacerts`.
  2. To improve security, change the default password.
- B. To use your own keystore (rather than the JDK default keystore):
  1. Add the following system parameters to the Java command line in the startup script of your application server:  
`-Djavax.net.ssl.trustStore=path_to_your_keystore_file`  
`-Djavax.net.ssl.trustStorePassword=password_of_your_keystore`
  2. Use the Java keytool to import the CA certificate to your own keystore.

## Uninstalling this fix pack

To remove this fix pack, you must complete a full uninstallation of Enterprise Records. Removal of the fix pack alone is not supported.

Remember to first stop the application server and component manager. For more information, see *Removing IBM Enterprise Records*:

### Removing IBM Enterprise Records

<https://www.ibm.com/docs/en/enterprise-records/5.2.1?topic=premises-removing-enterprise-records>

## Product fix history

The following tables list the fix history.

- **APAR**: Authorized Program Analysis Report
- **PMR**: Defect tracking system number

### IER 5.2.1.5 interim fix 3

5.2.1.5-IER-IF003			
APAR	PMR	Area	Description
PJ46285	TS005048625	User interface	Performance issue while loading the file plan

### IER 5.2.1.5 interim fix 2

5.2.1.5-IER-IF002			
APAR	PMR	Area	Description
Not applicable	Not applicable	User interface	Common API Call: CrossSiteScripting: HTML injection using InnerHTML in VueJS

### IER 5.2.1.5 interim fix 1

5.2.1.5-IER-IF001			
APAR	PMR	Area	Description
PJ46223	TS003682005	User interface	Wrong sorting order of File Plan after upgrading IBM Content Navigator to 3.0.7 interim fix 2.

### IER 5.2.1 fix pack 5

5.2.1.5-IER-FP005			
APAR	PMR	Area	Description
PJ46101	TS003911836	Advance sweep	The auto-destroy transcript report link does not work.

## Documentation

- IBM Enterprise Records 5.2.1 fix pack 6 Readme file (this document)  
<https://www.ibm.com/support/pages/node/6467075>  
Note: For the latest version of the Readme file, use this link.
- IBM Enterprise Records 5.2.1 Readme files and fixed APARs  
<https://www.ibm.com/support/pages/node/598899>
- IBM Software Product Compatibility Reports  
<https://www.ibm.com/software/reports/compatibility/clarity/index.html>
- IBM Enterprise Records 5.2.1 documentation  
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[https://www.ibm.com/mysupport/s/topic/OTO50000002OefGAE/enterprise-records?language=en\\_US&productId=01t50000004XbiW](https://www.ibm.com/mysupport/s/topic/OTO50000002OefGAE/enterprise-records?language=en_US&productId=01t50000004XbiW)

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## Document change history

Date	Description
25 February 2022	Updated the 'Known issues' section for Traditional installation Updated the 'Requirements' section for Traditional installation Updated the 'Upgrading Enterprise Records' procedure Updated the 'Product fix history' section
10 August 2021	Updated the 'Requirements' section <ul style="list-style-type: none"><li>Minimum versions of the supporting software</li></ul> Updated the 'Installing this fix pack' section <ul style="list-style-type: none"><li>Added steps in the 'Traditional installation' section</li></ul> Updated the 'Upgrading Enterprise Records' section <ul style="list-style-type: none"><li>Added steps</li></ul> Updated the 'Documentation' section <ul style="list-style-type: none"><li>Added the Online link of the Readme file (this document)</li></ul>
03 August 2021	Updated the 'Upgrading Enterprise Records' procedure
25 June 2021	Initial release of this fix pack