

Structured Data Manager

Software Version 7.60

Release Notes



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This document is an overview of the changes made to Structured Data Manager (Micro Focus SDM). It contains important information that is not included in books or Help. You can find information about the following in this document.

Related documentation

The following documentation available for this product:

Document Name	Description
<i>Structured Data Manager Installation Guide</i>	Explains how to install the product.
<i>Structured Data Manager Concepts Guide</i>	Explains the major concepts of database archiving in general and Structured Data Manager in particular.
<i>Structured Data Manager Tutorial</i>	Provides step-by-step instructions to build a sample archiving module, deploy, run, and troubleshoot errors in it.
<i>Structured Data Manager Developer's Guide</i>	Explains how to use the Designer component to design, build, test, and deploy your archiving projects.
<i>Structured Data Manager Runtime Guide</i>	Explains how to use the Web Console component to run, monitor, and administer business flows that move data to and from the database.
<i>Structured Data Manager Troubleshooting Guide</i>	Explains how to diagnose and resolve errors, and provides a list of common errors and solutions.
<i>Structured Data Manager API Reference Guide</i>	Provides reference to the available programming interfaces.
<i>Structured Data Manager Upgrade Guide</i>	Explains how to upgrade the product and archive schema generated by the earlier versions of the product.
<i>Structured Data Manager Installation Guide for PeopleSoft</i>	Explains how to install the PeopleSoft integration kit.
<i>Structured Data Manager PeopleSoft Release Notes</i>	Lists items of importance that were not captured in the regular PeopleSoft documentation.
<i>Structured Data Manager Installation Guide for Oracle E-</i>	Explains how to install the Oracle E-Business Suite integration kit.

Document Name	Description
<i>Business Suite</i>	
<i>Structured Data Manager SecureData Integration Guide</i>	Provides requirements for the developers implementing integration SecureData (private instance) with SDM.

New features

The following new features are available with 7.60 release:

- The user interface and documentation has been modified and branded under the Micro Focus name.
- Improved the Custom Masking feature where the data of a given column can be changed based on the context information that is passed to custom groovy functions.
- Structured Data Manager application now supports PostgreSQL 10.4.
- Added support for Content Manager 9.3.

Enhancements

The following features were enhanced with 7.60 release:

- **Added Indexing section.** A new section called **Indexing** is added under the System parameter to set Global level system parameters for indexing cartridges. For more details, see ADM-9027.
- **Enhanced Find out more link.** The **Find out more** link in the tile of the landing page by default contain details about Business Flow, DAC, and Free text. For other extensions, such as discovery, the details are fetched from the `index.properties` file located at its corresponding extension folder as shown below:

```
<OBT_HOME>\extensions\webconsole\menus\main\Discovery\index.properties
```

For more details, see ADM-9281.

- **Redesigned Relocate page.** Redesigned the action selector in the **Relocate** page, where the list of actions are now available in the drop-down menu. For more details, see ADM-9235.
- **Added new role for extensions.** Only delegated users with **Allow access to extensions** role enabled have the permission to access the extensions, such as Discovery in the landing page. For more details, see ADM-9382.

Installation notes

The installation requirements and instructions for installing the Structured Data Manager are documented in the *Structured Data Manager Installation Guide*.

For more information on upgrade from your existing installation, see *Structured Data Manager Upgrade Guide, Chapter 2, Upgrade your previous installation*.

Contact Micro Focus Support to ensure you have all the current hotfixes.

DEPRECATED:

- From version 7.52 onwards:
 - The support for HP Records Manager is obsolete. The minimum version supported will be Content Manager 9.1.
 - Structured Data Manager no longer uses Apache Tika framework for any of its components. If you are using this framework for any of your integrations, then you must integrate this separately.
- From SDM 7.60 onwards, the PostgreSQL with versions earlier to 10.4 are not supported. Therefore, ensure that you upgrade the repository, environment, and AQS cache to 10.4.

Fixed issues

The following issues are fixed for 7.60 release:

- **ADM-8849.** Unable to use virtual columns as data movement.
- **ADM-8911.** Inappropriate message appears on the Web Console when an incorrect administrative credential is entered.
- **ADM-9066.** Drastic slow down in the production server.
- **ADM-9085 / ADM-9099.** Unable to load data from D2F target file to AQS Cache.
- **ADM-9089.** Oracle timezone ingests incorrectly in PostgreSQL.
- **ADM-9102.** AQS Cache Refresh on D2F files fails when generated from the SDM 6.2.
- **ADM-9112.** Dynamic parameters overlap in the Launch Business flow page of Web Console.
- **ADM-9113.** Incorrect data gets uploaded to SQL Server 2016.
- **ADM-9143.** Archive fails when the table contains more than 1.9 billion records.
- **ADM-9207.** Sending user defined additional or custom fields to CM 9.2 fails, when the string is used as the data type.
- **ADM-9215.** NullPointerException error occurs when cleanbinaryzero masking is performed on char data type.
- **ADM-9242.** Upgraded from 7.4x to 7.60 to handle the auto update of URL parameter for CM location.

Known problems, limitations and workarounds

This section covers known problems, limitations, and workarounds for the following areas:

- [Install or upgrade](#)
- [Database to database](#)
- [Database to file](#)
- [Archive Query Server](#)
- [Advanced Selection and Eligibility Analytics](#)
- [Data Access Cartridge](#)
- [Indexing Cartridge](#)
- [In-Place Masking](#)
- [Web Console](#)

Install or upgrade

NOTE:

Contact Micro Focus Support to ensure you have all the current hotfixes, and any mandatory patches for upgrading from previous versions to 7.60 version.

- Structured Data Manager 7.60 runs on Microsoft Windows and Linux. For detailed information about supported versions, see the Structured Data Manager Certification Matrix at <https://softwaresupport.softwaregrp.com/group/softwaresupport/support-matrices>.

AIX, HP-UX, Windows 32-bit, Linux 32-bit, and Solaris are not supported in Structured Data Manager. If your operating system is not among those supported by release 7.491, contact your Micro Focus representative or Micro Focus Support for further information and assistance.

- If you are using transparency on Oracle 11.2.0.3, you must apply Oracle patch 10420487. For more details, see ADM-3449.
- If you set the OBT_HOME environment variable to a remote directory, such as `\\myhost\myshare\OBTHOME`, then you need to manually update the `directories.properties` configuration file after the repository installation.

To update the configuration file

1. Go to the application data directory, where Structured Data Manager stores its configuration files.

For example, on Microsoft Windows, navigate to the following location:

```
C:\SDM\OBTHOME\config
```

2. Manually edit the `directories.properties` file and change the paths to use `${OBT_HOME}`.

For example:

```
obt.dir.aqsDataSources=${OBT_HOME}/aqsdatasources
obt.dir.archivePath=${OBT_HOME}/archive obt.dir.artifacts=${OBT_
HOME}/artifacts
obt.dir.businessflow=${OBT_HOME}/businessflow
obt.dir.extensions=${OBT_HOME}/extensions obt.dir.generate=${OBT_
HOME}/generate
obt.dir.log=${OBT_HOME}/log
```

3. Save and close the file.

NOTE:

When `OBT_HOME` is set to a remote directory, the `obt.log` file is generated locally rather than on the network drive.

Search on the local machine for `obt.log`. Subsequently, after you update the `directories.properties` file, the `obt.log` appears in the expected location on your network drive. For more details, see ADM-6242.

- During upgrade, if you receive this error

```
ORA-30556: either functional or bitmap join index is defined on the column to be
modified
```

then the index that is using the column must be dropped manually to complete the deployment. Manually recreate the index after the deployment or run the archive business flow with **Type of indexes to create on History** set to **ALL**. For more details, see ADM-6250.

- Migration of password encryption algorithm from DES to AES does not work.
- While applying patch over SDM 7.5x, if you receive this error

```
An error has occurred.See the log file
C:\Users\Administrator\HPESDM\Designer\.metadata\.log
```

then you must modify the `designer.ini` file, located at `SDM_INSTALL_PATH\sdm\obt\ui` with the following code:

```
-clean
```

For example:

```
-clean
-configuration
configuration/designer.configuration
-vm
..\..\jre\bin\javaw
-vmargs
```

```
-Xms40m  
-Xmx256m  
-XX:MaxPermSize=128m
```

Database to database

- When working with the Oracle 11g client on Windows, running the security scripts returns the following error:

```
SP2-1506: START, @ or @@ command has no arguments.
```

NOTE:

Close and ignore the error. This is a Bug 8756483 at Oracle Metalink. For more details, see 12198 and 12077.

Database to file

- Windows Authentication is not supported on database to file (three-tier) configurations. For more details, see ADM-5510.
- Database to file with Indexing, generates an empty index on intrusive environments. This occurs only for the model based cartridges with rules having runtime parameters. For more details, see ADM-8852.
- Virtual column used as data movement key having null value is supported only on non-intrusive environment. On PostgreSQL non-intrusive environment, the Undo fails. For more details, see ADM-8849.

Archive Query Server

- AQS objects, including collections, schema, or tables, whose names contain a period (.) cannot be dropped. Queries using these objects will fail. For more details, see ADM-6174.
- AQS server refuses connection when trying to connect to AIX. For more information on this issue, contact the Micro Focus Support. Also, see ADM-6245.

Advanced Selection and Eligibility Analytics

- For cartridges using Advanced Selection, the rowcounts displayed in the Eligibility Analytics Summary screen are dependent on all the rules in the model, including the rules on child tables.

When the child-table rules are not enabled for the Eligibility Analytics, total number of transactions counted are limited. This reduces the rowcounts displayed in the summary screen. For more details, see ADM-5080.
- The Eligibility Analytics summary screen has references to "transactions", but in some cases, the counts that are shown are chain counts. For more details, see ADM-5077.

Data Access Cartridge

In Data Access Cartridges to add hyperlinks in the pseudo columns , you must ensure to specify the following:

- Use lowercase characters for anchor links.

Example:

```
<a href="http://www.google.com/search?q=1" target="_blank">1</a>
```

NOTE:

If you use `1`, then it creates problem while rendering to PDF format.

- If special characters like '&' is used in the hyperlink, then those characters must be replaced by their Unicode forms.

Example:

```
<a href="http://www.google.com/search?q=1&btnI" target="_blank">1</a>
```

must be replaced as:

```
<a href="http://www.google.com/search?q=1&amp;btnI" target="_blank">1</a>
```

NOTE:

Ensure that you replace characters like '&' with '&'

Indexing Cartridge

For indexing cartridge, the index is not sent to the indexing server with destination location as CM. To send the index to the indexing server, choose the destination location as `Local Archive FS`. For more details, see ADM-9054.

In-Place Masking

SDM 7.60 Masking Server fails to work with Voltage SecureData SimpleAPI 5.1. The workaround to fix the issue is to upgrade the Voltage SecureData SimpleAPI to version 5.20 or above.

Web Console

After the deletion of an environment, when you try to create another environment with the same name and configuration, then on the **Launch** tab, under the **Tasks**, you can view all the business flows deployed to the environment before deletion. But while launching these business flows, it displays an error as they were deployed to the environment before deletion.

To clear the business flows, you can use the following workaround.

Workaround

Assume the environment name is nint_sql:

For oracle repo:

1. ID = Select "CYCLE_ID" from "obtrep"."OBTCO_CYCLES" where "SHORT_NAME"='BF-nint_sql'
2. Delete from "obtrep"."OBTCO_CYCLE_STEPS" where "CYCLE_ID"=ID

For sql repo:

1. ID = Select [CYCLE_ID] from [obt_rep].[dbo].[OBTCO_CYCLES] where "SHORT_NAME"='BF-nint_sql'
2. delete from [obt_rep].[dbo].[OBTCO_CYCLE_STEPS] where [CYCLE_ID] = ID

For PostgreSQL repo:

1. ID = Select "CYCLE_ID" from "obtrep"."OBTCO_CYCLES" where "SHORT_NAME"='BF-nint_sql'
2. Delete from "obtrep"."OBTCO_CYCLE_STEPS" where "CYCLE_ID"=ID