



M3 Metadata Publisher Grid Admin Guide

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Contents

Chapter 1: Overview.....	5
M3 Metadata Publisher Admin Guide Overview.....	5
Users of This Guide.....	5
 Chapter 2: LifeCycle Manager Tasks.....	6
M3 Metadata Publisher Grid Nodes.....	6
M3 Metadata Publisher Business Engine Systems.....	7
Generating an MDP BE System by System Configuration.....	8
Generating an MDP BE System by Components and Text Search.....	9
Generating Languages.....	10
Uploading MDP BE System Package.....	10
Importing an MDP BE System.....	11
Updating an MDP BE System by System Configuration.....	12
Updating an MDP BE System by Components and Text Search.....	12
Deleting an MDP BE System.....	13
Exporting MDP BE System.....	13
Managing MDP BE System by System Configuration.....	14
Managing MDP BE System by Component and Text Search.....	15
Setting a Client Password.....	16
Retrieving Fixes from the CCSS Server.....	16
 Appendix A: Limitations.....	18
M3 Metadata Publisher Limitations.....	18

- ["M3 Metadata Publisher Admin Guide Overview" on page 5](#)
- ["Users of This Guide" on page 5](#)

M3 Metadata Publisher Admin Guide Overview

M3 Metadata Publisher (MDP) is a tool used to explore M3 related metadata files (tables) and fields (columns) and view the relations between files-program and program-files. MDP can generate and show the metadata for unique M3 Business Engine customer installation. These metadata are based on the Standard, Market and Customer installed components.

Users of This Guide

The M3 Metadata Publisher Administration Guide is for business consultants, partners, and customers who perform administration tasks such as generating M3 Metadata information and setting the MDP client password.

- "M3 Metadata Publisher Grid Nodes" on page 6
- "M3 Metadata Publisher Business Engine Systems" on page 7
- "Generating an MDP BE System by System Configuration" on page 8
- "Generating an MDP BE System by Components and Text Search" on page 9
- "Generating Languages" on page 10
- "Uploading MDP BE System Package" on page 10
- "Importing an MDP BE System" on page 11
- "Updating an MDP BE System by System Configuration" on page 12
- "Updating an MDP BE System by Components and Text Search" on page 12
- "Deleting an MDP BE System" on page 13
- "Exporting MDP BE System" on page 13
- "Managing MDP BE System by System Configuration" on page 14
- "Managing MDP BE System by Component and Text Search" on page 15
- "Setting a Client Password" on page 16
- "Retrieving Fixes from the CCSS Server" on page 16

Important: The user must have administrator access in the following products to be able to run LCM tasks: MDP and BE.

M3 Metadata Publisher Grid Nodes

M3 Metadata Publisher grid application consists of four grid nodes (bindings) that must be running when you perform MDP Administration tasks or when you access the MDP Client.

Node (Binding name)	Description	Heap Size (Recommended)	Number of Nodes (Minimum)	Number of Nodes (Maximum)
MDP	MDP grid application	512MB	One (1)	Multiple
MDPServer	MDP Server web application	512MB	One (1)	Multiple
MDPClient	MDP Client web application	256MB	One (1)	One (1)
MDPIndex	MDP Index application	512MB	One (1)	One (1)

For more information on grid nodes and bindings, see *Infor ION Grid Administration Guide*.

M3 Metadata Publisher Business Engine Systems

There are two types of Business Engine (BE) system metadata that are handled by M3 Metadata Publisher (MDP):

MDP BE System (System Configuration)

This is a set of metadata information for a specific system configuration. Metadata information includes M3 BE program and table relations, table columns, index and unique keys information, and program panels information. The metadata information for this type of MDP BE System can be generated using LifeCycle Manager (LCM) and can be retrieved using the MDP Client.

For more information, see "[Generating an MDP BE System by System Configuration](#)" on page 8.

MDP BE System (Components and Text Search)

Component

This is a set of metadata information specifically for Market and Customer program information. Users can search for program in a Market or a Customer component of an M3 BE installation. The metadata information for this type of MDP BE System can be generated using LifeCycle Manager (LCM) and can be retrieved using MDP Client.

Text Search

This is a search feature that allows you to find keyword match in programs and view definition source code. There are three types of text Search: the Basic, Phrase, and Advanced. Each type is used for specific text search mode and the search result is displayed in MDP Client.

For more information, see "[Generating an MDP BE System by Components and Text Search](#)" on page 9.

Note: MDP BE System is a requirement in M3 Interest Center Manager (MIM) tool. It must be generated before using the tool.

Generating an MDP BE System by System Configuration

Use this procedure to generate new and update multiple MDP BE System configuration to make them searchable in MDP client.

Before you start Make sure that you have complete the following tasks:

- Install the source files on M3 BE installation to be able to generate an MDP BE System.
For more information, see *M3 BE LifeCycle Manager User Guide*.
- Start the selected BE Environment before generating the metadata index files.
- Connect the selected BE Environment to M3 Workplace to be able to generate metadata from View Definition Files and Languages.

For more information, see *M3 Workplace Installation Guide*.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.
- 3 Right-click on MDP > MDP BE System > Generate MDP BE System (System configuration).
- 4 On Generate MDP BE System (System Configuration) window, consider the following fields:

BE installation	Select an M3 BE installation available on LifeCycle Manager. The available BE installations follow the format:
------------------------	--

M3BEname(Description)-Service Name (IP Address)

For example:

M3BE_15.1 (MDP Environment) - PHMNI003 (10.13.20.91)

Note: Aside from the Base, the naming pattern for the generated MDP BE System for System Configuration is:

<BE_Server_IP>_<Grid_Router_Http_Port>_<BE_System_Configuration>

For example: **172.30.80.93_16666_MARCONF**

Environment Name	Select an M3 BE environment in the list of environments of your selected BE installation.
-------------------------	---

- 5 Click Next.
- 6 Select the environment System Configuration and click Next.

- 7 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.
- 8 When the task is finished, a window indicating the successful task generate is displayed. Click OK or click View log. You can also go to the Logs tab to view the log file.

The MDP BE system metadata is now generated and is available as a new node under M3 Metadata Publisher. Its metadata is accessible in MDP Client.

Generating an MDP BE System by Components and Text Search

Use this procedure to generate metadata files for MDP Market and Customer components, and in Text Search. You should generate metadata files for an MDP BE system component to make them searchable in MDP client.

Before you start The source files must be installed on M3 BE installation to be able to generate an MDP BE System.

For more information, see *M3 BE LifeCycle Manager User Guide*.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.
- 3 Right-click on MDP > MDP BE System > Generate MDP BE System (Components and Text Search).
- 4 On Generate MDP BE System (Components and Text Search) window, consider the following fields:

BE installation Select an M3 BE installation available on LifeCycle Manager. The available BE installations follow the format:

M3BEname(Description)-Service Name (IP Address)

For example:

M3BE_15.1 (MDP Environment) - PHMNI003 (10.13.20.91)

Note: The naming pattern for the generated MDP BE System for Components and Text Search is:

M3BE<BE_Version>_<BE_Server_IP>_<Grid_Router_Http_Port>

For example: **M3BE1510_172.30.80.93_16666**

Environment Name Select an M3 BE environment in the list of environments of your selected BE installation.

- 5 Click Next.
- 6 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.

- 7 When the task is finished, a window indicating the successful task generate is displayed. Click OK or click View log. You can also go to the Logs tab to view the log file.

The MDP BE system metadata is now generated and is available as a new node under M3 Metadata Publisher. Its metadata is in MDP Client.

Generating Languages

Use this procedure to generate Languages metadata. Language is used to translate table field description in MDP Client.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.
- 3 Right-click on MDP > MDP BE System > Generate Languages.
- 4 On Generate Languages window, select the BE Installation to use.
- 5 Click Next.
- 6 On the Available languages window, select the languages to generate.
- 7 Click Next.
- 8 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.
- 9 When the task is finished, a window indicating the successful language generation is displayed. Click OK or click View log. You can also go to the Logs tab to view the log file.

Uploading MDP BE System Package

Use this procedure to upload MDP BE System package to be imported on MDP Grid.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Grid Application<version> where MDP is installed.
- 3 Right-click on MDP > MDP Admin > Upload MDP BE System package.
- 4 On Upload MDP BE System Package window, click **Select...**
- 5 On Select Package dialog, select the Zip file to upload and click Open.

Important: Make sure that you are not uploading an existing MDP BE Packages to avoid rework.

- 6 On the Upload MDP BE System Package window, click Next.

- 7 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.
- 8 On Verify package dialog, click Yes to continue with upload.
- 9 When the task is finished, a dialog indicating the successful registration is displayed.
Click OK or click View log. You can also go to the Logs tab to view the log file.

Importing an MDP BE System

Use this procedure to import metadata files for M3 Metadata Publisher (MDP) Business Engine (BE) System from other MDP installations.

Before you start Make sure that you have completed the following tasks:

- Export the MDP BE system zip file from another MDP installation.
- Upload the MDP BE System zip file that you wish to import.

Important: You cannot import MDP BE System if any of the following conditions are true:

- If it was exported using an earlier versions of MDP, to avoid compatibility issues with the metadata file structure.
- If it can already be generated on your M3 Metadata Publisher installation.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where the MDP is installed.
- 3 Right-click on MDP > MDP Admin > Import MDP BE System.
The Import MDP BE System Package window is displayed.
- 4 Select the MDP BE System package to import to MDP.
- 5 Click Next.
- 6 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.
- 7 When the task is finished, a dialog indicating the successful registration is displayed.
Click OK or click View log. You can also go to the Logs tab to view the log file.

The MDP BE System metadata is now imported and available as a new node under M3 Metadata Publisher and its metadata will be accessible in the MDP Client.

Updating an MDP BE System by System Configuration

Use this procedure to synchronize and update metadata files for M3 Metadata Publisher (MDP) Business Engine (BE) system by system configuration. Update is necessary when new fixpacks, servicepacks, and additional components or languages are applied on the BE environment.

To update multiple MDP BE Systems, see [Managing MDP BE System by System Configuration](#)

Before you start Make sure that source files are installed on M3 BE installation to be able to generate an MDP BE System.

For more information about installing source files, see *M3 BE LifeCycle Manager User Guide*.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.
- 3 In MDP, select an MDP BE System (System Configuration) to update.
In the task pane on the right, the MDP BE System tab is displayed.
- 4 Click the link to **Update MDP BE System (System Configuration)** to run the wizard.
The Update MDP BE System (System Configuration) window is displayed.
- 5 Review the MDP BE System information and click Next.
- 6 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.
- 7 When the task is finished, a dialog indicating the successful update is displayed.
Click OK or click View log. You can also go to the Logs tab to view the log file.

The metadata files for M3BE System Configuration are now synchronized and updated.

Updating an MDP BE System by Components and Text Search

Use this procedure to synchronize and update metadata files for M3 Metadata Publisher (MDP) Business Engine (BE) system by components and text search. Update is necessary when new fixpacks, servicepacks, and additional components or languages, are applied on the BE environment.

To update multiple MDP BE Systems, see [Managing MDP BE System by Component and Text Search](#)

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where the MDP is installed.
- 3 In MDP, select an MDP BE System (Components and Text Search) to update.
In the tasks pane on the right, the MDP BE System tab is displayed.

- 4 Click the link to **Update MDP BE System (Components and Text Search)** to run the wizard.

The Update MDP BE System (Components and Text Search) window is displayed.

- 5 Review the MDP BE System information and click Next.

- 6 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.

- 7 When the task is finished, a dialog indicating the successful update is displayed.

Click OK or click View log. You can also go to the Logs tab to view the log file.

The metadata files for M3 BE Market and Customer components are now synchronized and updated.

Deleting an MDP BE System

Use this procedure to delete the MDP BE System and its metadata files.

To delete multiple MDP BE Systems, see

["Managing MDP BE System by Component and Text Search"](#) on page 15

["Managing MDP BE System by System Configuration"](#) on page 14

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.

- 3 In MDP, select the MDP BE System to delete.

In the tasks pane on the right, the MDP BE System tab is displayed.

- 4 Click the link to **Delete MDP BE System**.

The Delete MDP BE System window is displayed.

- 5 Review the MDP BE System information and click Next.

- 6 On the Confirmation prompt, review the MDP BE System to delete. Click OK to delete.

- 7 When the task is finished, a dialog indicating the successful removal is displayed.

Click OK or click View log. You can also go to the Logs tab to view the log file.

The MDP BE System node is now deleted.

Exporting MDP BE System

Use this procedure to export MDP BE System and its metadata files.

To export multiple MDP BE Systems, see

["Managing MDP BE System by Component and Text Search"](#) on page 15

["Managing MDP BE System by System Configuration"](#) on page 14

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.
In the tasks pane on the right, the MDP BE System tab is displayed.
- 3 In MDP, select the MDP BE System to export.
In the tasks pane on the right, the MDP BE System tab is displayed.
- 4 Click the link to **Export MDP BE System**.
The Export MDP BE System window is displayed.
- 5 Click **Select...** and browse to the destination folder of the MDP BE System to export.
The Destination folder window is displayed.
- 6 Navigate to the folder location of the MDP BE System and click OK.
- 7 Click Next.
- 8 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.
- 9 When the task is finished, a dialog indicating the successful export to your identified folder is displayed.
Click OK or click View log. You can also go to the Logs tab to view the log file.

Managing MDP BE System by System Configuration

Use this procedure to update, export, and delete multiple MDP BE System by system Configuration.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.
In the tasks pane on the right, the MDP BE System tab is displayed.
- 3 Click the link to **Manage MDP BE System**.
The Manage MDP BE System Editor page is displayed.
- 4 On the System Configuration tab, select the BE Environment from the drop down list to display all the generated MDP BE System for that BE Environment.
- 5 Select the MDP BE System/s or click **Select All**.
Perform the following tasks for multiple MDP BE System (System Configuration):

Task	Steps
To Update	Click the Update button to start updating the selected MDP BE Systems.
To Export	Click the Export button to start exporting the selected MDP BE Systems.
To Delete	Click the Delete button to start deleting the selected MDP BE Systems.

- 6 When the task is finished, a dialog indicating the successful update, export, or delete is displayed.

Managing MDP BE System by Component and Text Search

Use this procedure to update, export, and delete multiple MDP BE System by Component and Text Search.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.

In the tasks pane on the right, the MDP BE System tab is displayed.

- 3 Click the link to **Manage MDP BE System**.

The Manage MDP BE System Editor page is displayed.

- 4 On the Component and Text Search tab, select the BE Environment from the drop down list to display all the generated MDP BE System for that BE Environment.
- 5 Select the MDP BE System/s or click **Select All**.

Perform the following tasks for multiple MDP BE System (System Configuration):

Task	Steps
To Update	Click the Update button to start updating the selected MDP BE Systems.
To Export	Click the Export button to start exporting the selected MDP BE Systems
To Delete	Click the Delete button to start deleting the selected MDP BE Systems.

- 6 When the task is finished, a dialog indicating the successful update, export, or delete is displayed.

Setting a Client Password

Use this procedure to set the MDP Client password.

- 1 Log on to LifeCycle Manager as administrator.
- 2 On Applications tab, expand the view of Space > Grid Application *<version>* where MDP is installed.
- 3 Select MDP.
In the task pane on the right, the MDP Admin tab is displayed.
- 4 Go to **MDP** tab under Tasks and click the link to **Access Control**.
The Access Control window is displayed.
- 5 Click Next.
The Set password window is displayed.
- 6 Set the password that will be used for M3 Metadata Publisher Client log in.
- 7 Click Next.
- 8 On the Summary page, review and verify the completeness of the information. Click Finish to complete the task.

Retrieving Fixes from the CCSS Server

Use this procedure to filter, search, and retrieve available fixes for M3 Metadata Publisher grid from the Customer Correction Self Service (CCSS) server.

- 1 Log on to LifeCycle Manager as administrator.
- 2 Select Actions > Retrieve Fixes.
In the right pane, the Retrieve Fixes tab is displayed.
- 3 In the CCSS Channels pane, select the *<current version>* channel.
- 4 At the CCSS Server log on prompt, type a valid user name and password. Click OK.
- 5 In the Available Fixes pane, use these filter options:

Fix id	Type the ID number of the solution.
Description	Type a brief description of the solution.
Fix type	Type the fix that you want to retrieve.
Show	Select to view the solutions: All, Not retrieved, or Retrieved.

- 6 Click Search to find a solution from the list of available fixes.
- 7 On the search results, the status in the Retrieved column of the results list is displayed as:

Status	Description
green check mark	The solution is retrieved and is available on the LifeCycle Manager Server.
red-X mark	The solution is not yet retrieved.

8 Select one MDP fix from the list. The details and possible dependencies of the selected fix are displayed.

9 Select one or more solutions and click Retrieve.

10 Click OK.

The MDP fix and all dependencies are retrieved and uploaded on the LifeCycle Manager Server. You can now proceed to installation of fixes.



Need More Details? Check out the following concepts:

- To install a product package fix which has a name starting with **pp**, select the product package fix in the Available Fixes pane and click Apply.
- To install an MDP grid fix, which has a name starting with **gf**, run the Upgrade Application task in grid and select the new MDP **.gar** file containing the fix.

- ["M3 Metadata Publisher Limitations" on page 18](#)

M3 Metadata Publisher Limitations

The current version of M3 Metadata Publisher has the following limitations:

MDP BE System synchronize icon

If the M3 Metadata Publisher (MDP) Business Engine (BE) System is not synchronized, the green icon changes to red color. You will be notified about updating your MDP BE system when any one of the following actions is performed on a related BE environment:

- Apply a Fixpack
- Apply a Fix
- Remove a Fix
- Copy a Fix