



M3 Metadata Publisher Installation Guide

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The version log describes the changes between versions of this document.

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MDPIG-10110UWA-02	201405	Compatibility with Windows Server 2012 R2 and IE 11. M3 Metadata Publisher Client machine requirements M3 Metadata Publisher Server machine requirements
MDPIG-10110UWA-01	201402	Updated for version 10.1.1.0 Added Upgrading M3 Metadata Publisher
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- ["Knowledge prerequisites" on page 6](#)
- ["System Requirements" on page 6](#)
- ["M3 Metadata Publisher installation process overview" on page 8](#)

M3 Metadata Publisher overview

M3 Metadata Publisher is a tool used to explore M3-related metadata with its files (tables), fields (columns), and 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 components, and Market and Customer installed components.

Knowledge prerequisites

This installation guide is intended for use by certified M3 Metadata Publisher(MDP) installers. To be able to install this product, you must be knowledgeable and experienced in the following topics:

- Administrator level experience in the platform where you are installing the product.
- Installing Infor software components using LifeCycle Manager.
- Usage and operation of Infor and other third-party products listed in System Requirements section.

System Requirements

The following tables list the system requirements for the installation of M3 Metadata Publisher (MDP) Grid version.

M3 Metadata Publisher Server machine requirements

This section details the software programs required when installing the server part of MDP.

Note: Refer to the corresponding vendor for third party software and installation instructions.

Component	Supported Version(s)	Notes
Operating systems	Windows Server 2012 R2 Server or Enterprise Edition Windows Server 2012 IBMi 7.2 IBMi 7.1 AIX 7.1	
Java Runtime Environment	JRE 1.7.0.11	

M3 Metadata Publisher Client machine requirements

Component	Supported Version(s)	Notes
Operating system	Microsoft Windows 8 Microsoft Windows 7	
Web browser	Internet Explorer 11 Internet Explorer 10.x Internet Explorer 9.x Google Chrome 25.x	

Infor application requirements

M3 Metadata Publisher is compatible with the following versions of Infor applications.

Component	Supported Version(s)	Notes
LifeCycle Manager	10.1.1.0	For installation and requirements information, see the appropriate version of the <i>LifeCycle Manager Installation Guide</i> .
Infor ION Grid	11.1.11.0	This is the minimum required version for Grid.
Grid Database Connectivity (GDBC)	2.0.5	Use the version delivered with Grid.
M3 Business Engine	15.1 with minimum version of M3 Foundation 10.1.0	This is the minimum required version for M3 Foundation.

M3 Metadata Publisher installation process overview

The following table provides an overview of the minimum required tasks for the installation of M3 Metadata Publisher.

	Task	See
1	Complete all server and client machine requirements.	M3 Metadata Publisher Server machine requirements M3 Metadata Publisher Client machine requirements
2	Download the M3 Metadata Publisher installation package from the download page.	Downloading the Installation Package
3	Upload the M3 Metadata Publisher installation package to the LifeCycle Manager server.	Uploading MDP to LifeCycle Manager
4	Install or upgrade M3 Metadata Publisher application in Grid.	Installing M3 Metadata Publisher
5	Perform post-installation procedures.	Verifying MDP Nodes

- "LifeCycle Manager Prerequisites" on page 9
- "Downloading the Installation Package" on page 9
- "Uploading MDP to LifeCycle Manager " on page 10
- "Infor ION Grid Prerequisites" on page 10

LifeCycle Manager Prerequisites

Before installing M3 Metadata Publisher in Grid, complete the following LifeCycle Manager prerequisites:

- LifeCycle Manager Server must be installed and started on a server machine.
- LifeCycle Manager Service must be installed and started on the server where Grid is running and where M3 Metadata Publisher will be installed.
- LifeCycle Manager Client must be installed and started on the client machine.
- The latest release of LifeCycle Manager product package for M3 Metadata Publisher must be uploaded and registered on the LifeCycle Manager server.

For more information, see *LifeCycle Manager Installation Guide*.

Downloading the Installation Package

Use this procedure to download the M3 Metadata Publisher application installation package.

☐ Download the Installation Package

- ___1 Log on to your system as administrator.
- ___2 Create a temporary folder to hold the installation files.
- ___3 Locate the folder containing the Metadata Publisher installation package **MDP_<version>.zip** from the installation CD or download it from <http://www.inforxtreme.com>.

Replace `<version>` with the latest version number of the product MDP.

Uploading MDP to LifeCycle Manager

Use this procedure to upload the M3 Metadata Publisher application installation package to the LifeCycle Manager server.

Important: To use the installation wizards, the user running LifeCycle Manager Client must be a member of the LifeCycle Manager administrator's group.

☐ Upload M3 Metadata Publisher to LCM

- ___ **1** Log on to LifeCycle Manager as administrator.
- ___ **2** Select Admin > Upload Products.
The Manage Products tab is displayed by default.
- ___ **3** Click Upload.
- ___ **4** Locate the folder containing the M3 Metadata Publisher Grid application product package and select **MDP_<version>.zip**.
Replace `<version>` with the latest product version release to be installed.
- ___ **5** Click Open.
- ___ **6** On the Verifying package window, click Yes to accept to register the packages on the LifeCycle Manager Server.
- ___ **7** When the task is finished, a dialog appears. Click OK.
- ___ **8** When the dialog appears asking you if you want to update your client, click Yes.
- ___ **9** When update is done, a dialog appears informing you that the client needs to be restarted. Click OK to restart the client.
- ___ **10** Log on again.

Infor ION Grid Prerequisites

Complete the following Infor ION Grid prerequisites before installing M3 Metadata Publisher Grid application.

- ___ **1** On LCM Applications tab, select or create the **Space** where MDP will be installed.
For more information on Spaces, see the *LifeCycle Manager Administration Guide*.

___ **2** Install Infor ION Grid on your selected or created **Space**.

___ **3** In Infor ION Grid, install and configure GDBC.

Node (Binding name)	Description	Heap Size (Recommended)	Number of Nodes (Maximum)
(GDBC) H2	Grid Database Connectivity H2 node	256MB	1
(GDBC) GridDBBroker	Grid Database Connectivity database broker node	256MB	1

For more information on any of the Grid Extensions, such as Grid Database Connectivity, see the *Infor ION Grid Extensions Installation and Administration Guide*.

- ["Installing M3 Metadata Publisher" on page 12](#)

Installing M3 Metadata Publisher

Use this procedure to install the M3 Metadata Publisher application in a grid for the first time.

Important: To use the installation wizards, the user running LCM Client must be a member of the LCM administrator's group.

Before you start Before you can install the M3 Metadata Publisher, you must have already completed the following:

- Upload MDP to LCM.
- Run Infor ION Grid.
- Install and start the Grid Database Connectivity (GDBC) Grid Extension on the Grid where MDP should be installed.

For more information on GDBC installation, see "Installing and Managing the Grid Database Connectivity Grid Extension" in *Infor ION Grid Extension Installation and Administration Guide*.

☐ Install MDP in a grid

- ___1 Log on to LifeCycle Manager as administrator.
- ___2 Select Actions > Install. The Install window is displayed.
- ___3 From the list, select the M3 Metadata Publisher<version> and click Next.
- ___4 On the Install window, select the grid on which MDP will be installed.

Important: If GDBC application does not exist on your selected grid, a warning message appears requiring for GDBC installation before you can continue. Click OK to close the dialog box. Click Cancel then restart the installation.

- ___5 Click Next.

___ **6** On the Install M3 Metadata Publisher Grid Host window, select the following:

Host types	Description	Number of Nodes Minimum	Number of Nodes Maximum
MDP Server Host	MDP Server application	1	Multiple
MDP Client Host	MDP Client web application	1	1
MDP Index Host	MDP Index application	1	1

___ **7** Click Next.

___ **8** On the Summary window, review and verify the completeness of the information. Click Finish to complete the installation.

___ **9** When the task is finished, a window indicating the successful installation is displayed. Click OK or click View log.

The MDP application is now installed in grid. You can find it under the Spaces > Grid Applications node on the Applications tab.

- ["Verifying MDP Nodes" on page 14](#)
- ["Launching M3 Metadata Publisher Client" on page 15](#)

Verifying MDP Nodes

After installation, use this procedure to verify the completeness of the MDP installation on grid.

❑ Verify MDP nodes

- 1 On Applications tab, select and expand the view of Spaces > Grid Application <version> where MDP is installed.
- 2 Right-click on <Grid_Name>, and select Infor ION Grid <version> > Grid > Grid Management Pages.
- 3 On the Infor ION Grid <version> tab in the right pane, click the link to **Grid Management Pages**.
If the Management pages tab is shown, the grid is properly started and running.
- 4 Verify that the following nodes are configured in Grid for the recommended application heap size settings.

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

Node (Binding name)	Description	Heap Size (Recommended)	Number of Nodes (Minimum)	Number of Nodes (Maximum)
MDP Index	MDP Index application	512MB	1	1

___5 Verify that the status of the following MDP nodes are set to "OK".

- MDP
- MDPClient
- MDPServer
- MDPIndex
- H2
- GridDBBroker

For more information on Grid nodes, bindings, and heap size settings, see *Infor ION Grid Installation and Administration Guide*.

Launching M3 Metadata Publisher Client

☐ Launch MDP client

___1 On Applications tab, select and expand the view of Space > Grid Application <version> where MDP is installed.

___2 Right-click on MDP application name, and select MDP Admin<version> > MDP Client.

The MDP login page opens on a browser.

Tip: To launch, you can also click the task MDP Client from the MDP Client tab on the Dashboard.

For more information on MDP Client log in procedure and MDP Client tasks, see *M3 Metadata Publisher User Guide*

For more information on how to set the password, see Setting a Client Password in *M3 Metadata Publisher Admin Guide*.

- ["Uninstalling M3 Metadata Publisher" on page 16](#)

Uninstalling M3 Metadata Publisher

☐ **Uninstall MDP grid application**

- ___ **1** Log on to LifeCycle Manager as administrator.
- ___ **2** On the Applications tab, expand the view of Spaces > Infor ION Grid<version> containing the MDP application to uninstall.
- ___ **3** Right-click on MDP, and then select Application Maintenance > Uninstall Application.
The application information (details, name, type, version, and gar-file name) and the host on which the application is currently running is displayed. If the application is running on a node, a confirmation window is shown where you must shut down the node before making any changes.
- ___ **4** If there are running MDP nodes, select Shutdown nodes, and then click Next.
- ___ **5** On the Summary window, click Finish.

For more information on Infor ION Grid management, see *Infor ION Grid Installation Guide and Administration Guide*

- ["Upgrading M3 Metadata Publisher" on page 17](#)

Upgrading M3 Metadata Publisher

Upgrade applies to previously installed MDP, starting from 10.x release only, to the latest version release. If you are using an updated version of MDP, "Upgrade MDP" will not appear on the list of selections.

___1 Download the latest MDP version from the Product Download page.

___2 Upload the latest MDP version to LifeCycle Manager.

For more information, see ["Uploading MDP to LifeCycle Manager "](#) on page 10.

___3 On LCM Applications tab, locate and expand the view of the Space > Grid host containing the <MDP_old_version> application that you want to upgrade.

___4 Right-click on MDP v10.1.0.0.x > MDP Admin > Upgrade M3 Metadata Publisher.

Important: If you have generated an MDP BE System for Components and Text Search before running upgrade, you will be notified of the required tasks to perform right after running upgrade. Click OK to continue.

___5 On the Upgrade MDP window:

Verify the information of the (old version) client to upgrade.

Verify that the new version to be used is the latest and click Next.

___6 On the Summary page, verify the information and click Finish.

___7 When upgrade is completed, click OK.

Important: After the upgrade, the existing MDP BE System for Components and Text Search will be deleted. When this happens, you will need to generate a new MDP BE System for Components and Text Search.

For more information on how to generate MDP BE Systems for Components and Text Search, see *M3 Metadata Publisher Administration Guide*.