

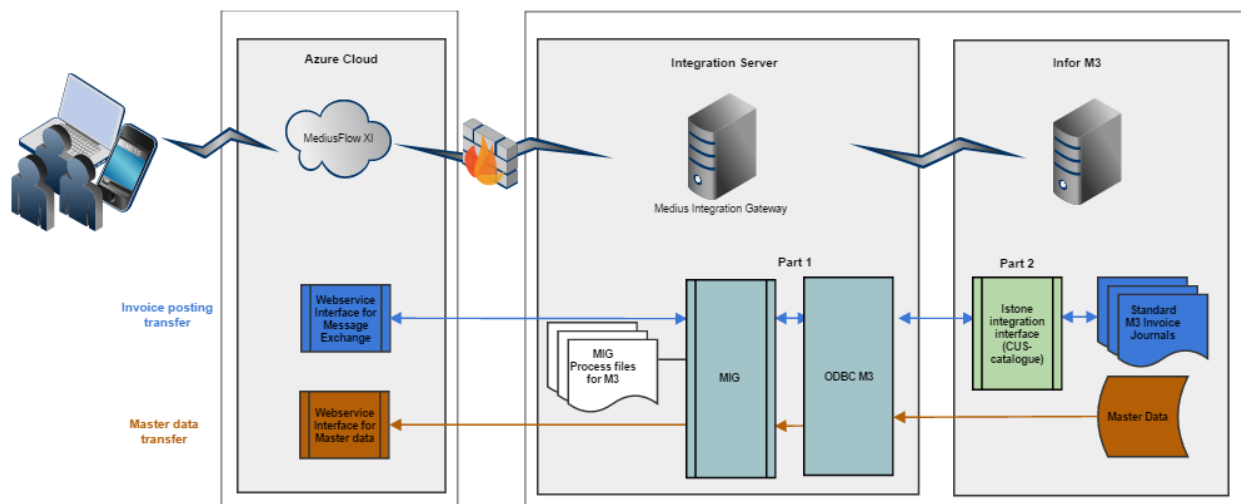
# Infor M3 Integration - Product definition

This product definition describes the content of the M3 integration package and the supported functionality. This product definition was last updated April 12th, 2018.

## 1 Overview

Medius Integration module for Infor M3/Movex consists of two parts:

1. Medius Integration Gateway
  - a. Fetching master data from the M3 database to MediusFlow by ODBC.
  - b. Fetching invoice booking messages from MediusFlow that are sent into separate integration tables in the M3 database (integration partner tables).
2. Four new programs in the CUS environment in M3 and a new autojob (running in the M3 Auto Subsystem) is processing the input and returns response to MediusFlow through Medius Integration Gateway.



### 1.1 Version dependencies

**Note:** Running M3 on SQL Server is **not** supported by standard integration package. The integration package only supports running M3 on DB2 database.

If the customer uses Microsoft SQL server for the M3 installation it has to be handled as Time&Material in the project. No upgrades can be offered from the standard integration if this is installed and manually configured and customized.

Movex/M3	Version	Integration version	MediusFlow XI version	Comment
RPG	<ul style="list-style-type: none"> <li>Movex RPG 10.x</li> <li>MIA 10</li> <li>Movex RPG 11.x</li> <li>Movex RPG 12.x</li> </ul>	11.5.0.0 or later	XI Public Cloud	The iStone integration interface used for the older RPG versions does not contain any new development on Movex side or in Medius/iStone integration since 2012.
Java	<ul style="list-style-type: none"> <li>M3 7.1</li> <li>M3 10.1</li> <li>M3 13.1, 13.2, 13.3, 13.4</li> </ul>	11.5.0.0 or later	XI Public Cloud	

## 1.2 Integration Package Content

*The Integration package includes the following for Medius Integration Gateway (MIG):*

- Configuration files for the M3 integration

*The Integration package includes the following for M3:*

- Partner iStone's integration interface in M3/Movex database

## 2 MediusFlow modules & functions

The functionality of the integration is based on Medius' experience and the suggested best practice of configurations between MediusFlow and the ERP system but does not cover all configuration settings supported by the standard ERP system.

Below you find a summary of the MediusFlow applications that are included in Infor M3 integration standard package.

Information in column "**Basic Setup**" means that the feature/functionality is included in the basic deployment and is based on Best Practices.

Information in column "**Custom Setup**" means further information about the customer's processes and system(s) setup is required in order to implement and thus requires additional consultant configuration work.

MediusFlow module	Basic setup	Custom setup	Comment
<b>Invoice</b>	YES		Preliminary, cancel and final posting
<b>Match</b>	YES		Preliminary, cancel and final posting
<b>Procurement</b>	NO	YES	Match invoice against Goods receipt of Purchase order created in MediusFlow Procurement module. Postings of these invoices are done in the same way as general expense invoices in M3
<b>Contract</b>	YES		Contract based invoice is posted as expense.

### 3 Master Data

Below you find a summary of the different master data entities.

Master Data Entity	Basic Setup	Custom Setup	Description	Limitations
<b>Company</b>	NO	NO	Company/division codes in Movex/Infor M3 are manually added in MediusFlow. Master data is transferred both from blank and local division for a company	
<b>Currency codes &amp; rates</b>	YES		Currency rates are calculated using currency factor during transfer. Rates from last 4 years are imported	Currency codes for one currency rate type is fetched. Currency rates are fetched based on currency and start date. If the customer sets rates both on blank division and local division it should be done with the same date.
<b>G/L Accounting identities</b>	YES		All G/L Accounting identities are fetched as the union of accounting identities on blank and local division(s)	
<b>Accounting Dimensions &amp; Accounting rules</b>	YES		Support for 1 up to the 7 dimensions in M3. Accounting rules are used for example for coding of cost of goods and deviations	The management of stat (statistical) dimensions are not supported
<b>Cross Account Reference Check</b>	YES		Includes the following validations: Required, Forbidden, Range (interval)	No support for validations on different VAT codes
<b>VAT codes</b>	YES		VAT- codes are fetched as union between blank and local division. VAT percentages are fetched from the current year	The vatcode percentage needs to be specified in the same division as tax code Vat-codes are not supported for different base countries
<b>Payment terms</b>	YES		Transfer of Payment Terms to be able to calculate due date on invoice.	Support for Number Of Free Months 0 or 1 only

Master Data Entity	Basic Setup	Custom Setup	Description	Limitations
			Payment terms is read for one language	
<b>Suppliers</b>	YES		Suppliers are transferred. Ledger and VAT Account on supplier are configurable on the Accounting rule in M3. Requires valid payment term & VAT Code to transfer	Due to the flexible structure in M3 the following information is not transferred: City, email, fax, address, telephone, zip and bank account
<b>Supplier Item numbers</b>	YES		Items are transferred for active suppliers and where the item is defined with supplier item number, to be used as a cross reference to connect invoice lines versus PO lines	There exists no indication on if the item is direct or indirect
<b>Purchase orders</b>	YES		Purchase orders and purchase order lines are fetched. Uses confirmed discount price if exists, otherwise regular discount price. Uses confirmed unit price if exists, otherwise regular unit price. PO:s from last 2 years are imported.	Conversion factor is not supported
<b>Goods receipts</b>	YES		Goods receipt lines that are not fully invoiced are transferred to be able to match an invoice in MediusFlow. In standard goods receipt lines with status 70-80 are fetched	
<b>Base country</b>	NO	YES	Because of different ways of using this functionality in M3 it is not supported in the standard integration package and needs to be handled as Time&Material in the project	

## 4 Message Exchange

Below you find a summary of the different invoice posting scenarios supported

Posting scenarios	Basic setup	Custom setup	Description
Preliminary posting	YES		Preliminary posting of invoice
Final posting	YES		Final posting of invoice
VAT on line level (VAT module in MediusFlow)	YES		VAT on line level can <b>not</b> be used in combination with Preliminary Posting
Override VAT code on supplier	YES		Only valid when preliminary posting is used. MediusFlow can be configured to use VAT code on coding line level to override VAT code on Supplier. Investigation is needed in customer Project
Cancellation of preliminary posted invoice	YES		Cancellation posting of preliminary posted invoice sent to M3 to automatically cancel the invoice in M3
Period Management	YES		Use of Period module in MediusFlow to handle open/closed accounting periods. Open periods are setup manually in MediusFlow, not fetched from M3
Period accounting	YES		MediusFlow will send posting lines containing the amortization information in the Final posting booking based on Accrual Templates manually created and used in MediusFlow
3-way matching	YES		It is <b>not</b> supported to use more than one Coding Event for cost coding and one Coding Event for deviations. Item charges are <b>not</b> supported. Item charges are extra charges on the item row which are not being goods receipt
2-way matching	NO		Not supported because integration requires a goods receipt to match against when posting the PO invoice in M3
Invoice match with return orders (negative receipt lines)	NO		Matching on negative lines not included
Contract based invoice (Contract module)	YES		Invoice is posted as Expense invoice in M3
Procurement invoice (Procurement module)	NO	YES	Invoice is posted as Expense invoice in M3

Posting scenarios	Basic setup	Custom setup	Description
<b>Adjustment requests with block and release payment message</b>	NO		Adjustment request module is not included
<b>Post invoice image url to M3</b>	NO	YES	The customer can create a document link to the invoice in MediusFlow with an URL inside M3

#### 4.1 Regional compliance

The integration package is used by customers in about 20 different countries worldwide. Any country specific legal requirements, including but not limited to VAT compliance requirements, have to be analysed and identified by the parties in the project. Any additional services needed to ensure compliance with requirements not supported by the standard integration package may be provided by Medius on a time and material basis and will require a Change Order signed by the Parties.

## 5 General Integration Requirements

These are general requirements to be able to setup MIG based integrations with Mediusflow. Customer is responsible to set up the integration server to fulfil these requirements.

### 5.1 Integration Server


The ERP integration needs to send and fetch data to/from the ERP system. To do this there is a need to setup a Medius Integration Client in the local network (on premise at customer) that performs the data exchange between MediusFlow Cloud and the ERP system. The Medius Integration Client is a Windows application that can be installed on any server fulfilling the following requirements:

Integration server can be shared with other applications but the requirements below are for the Medius Integration Client only and does not take requirements for such application into consideration.

Component	Requirement
<b>OS</b>	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
<b>CPU</b>	2 GHz
<b>RAM</b>	4 GB
<b>Disk</b>	2 GB

It would be beneficial if all servers are installed with English (US) language to facilitate for Medius consultants and, at a later stage, support personnel from Medius Service Center.

## 5.2 Access

Access	Comment
VPN	VPN credentials to integration server
Server account	Administration rights on integration server
ERP access	ERP credentials and access to ERP server/services from integration server
MediusFlow XI	<p>Integration server needs to have access to MediusFlow XI SOAP services.</p> <p>Binding: WSHtt2007RelayBinding Connectivity mode. HTTPS, outbound Port: 9085</p> <p>Verify access on <a href="https://cloud.mediusflow.com:9085/mediusflowIBSQA/IntegrationMessageService">https://cloud.mediusflow.com:9085/mediusflowIBSQA/IntegrationMessageService</a></p> <ul style="list-style-type: none"> <li>You should get this picture in the web browser,</li> </ul> 
FTP	<p>Medius Consultants to transport deployment files to the Integration server</p> <p>Port 21 need to be opened for outbound traffic</p>

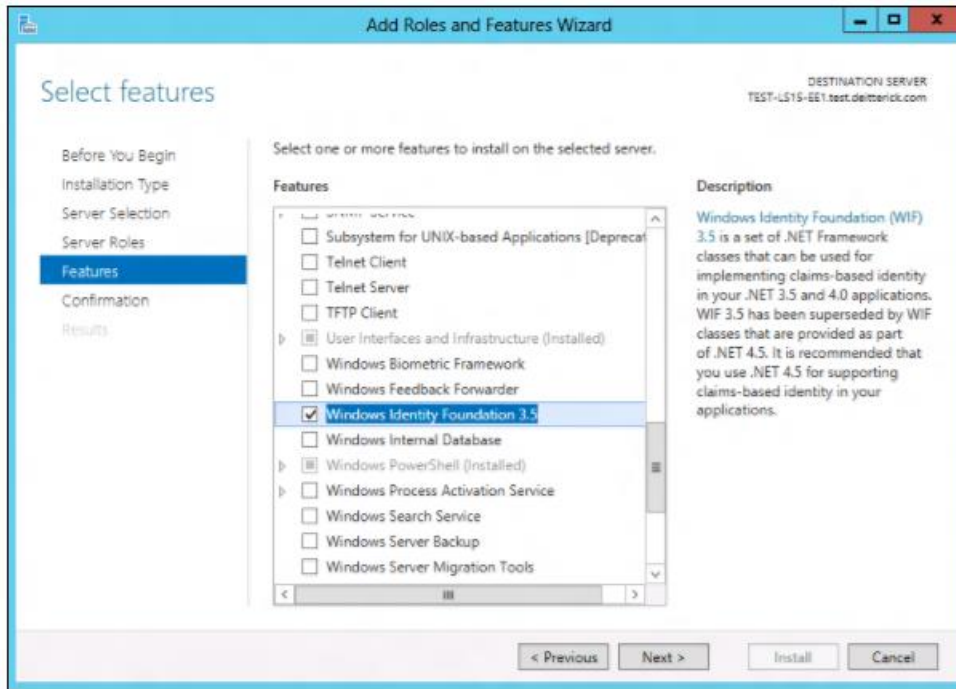
## 5.3 Windows Feature Enabled

The Medius Integration Client is installed as a windows service application.

To be able to install the Medius Integration Client the server needs to have Windows Identity Foundation enabled.

For Windows Server 2008R2, install from this link: <http://www.microsoft.com/en-us/download/confirmation.aspx?id=17331>

For Windows Server 2012 and 2016, install from "Add Roles and Features Wizard"



#### 5.4 Installed software

Software	Comment	Download
<b>.NET Framework 4.5</b>	To be able to run integration engine the Medius Integration Client	<a href="http://www.microsoft.com/en-us/download/details.aspx?id=30653">http://www.microsoft.com/en-us/download/details.aspx?id=30653</a>
<b>Powershell version 4.0 or later</b>	Used during deployment of integration packages	<a href="http://social.technet.microsoft.com/wiki/contents/articles/21016-how-to-install-windows-powershell-4-0.aspx">http://social.technet.microsoft.com/wiki/contents/articles/21016-how-to-install-windows-powershell-4-0.aspx</a>
<b>Chrome</b>	Preferred web browser for MediusFlow.	<a href="http://www.google.com/chrome/browser/desktop/index.html">http://www.google.com/chrome/browser/desktop/index.html</a>



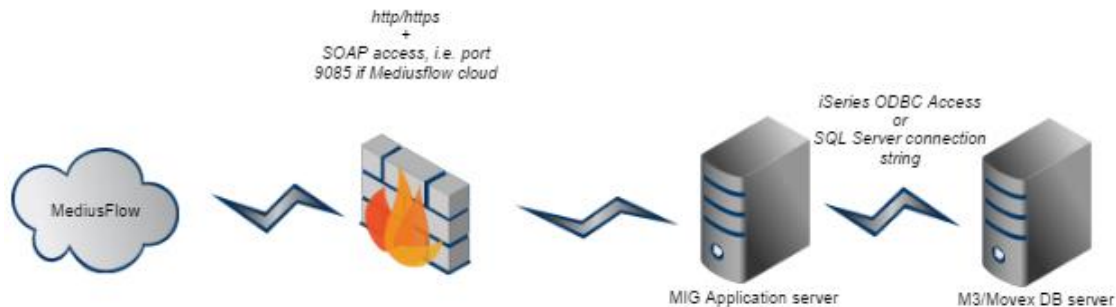
Software	Comment	Download
	This is our recommendation, any other supported browser is OK.	
<b>SharpDevelop</b>	Consultant tool for XML configuration	<a href="http://www.icsharpcode.net/OpenSource/SD/Download/">http://www.icsharpcode.net/OpenSource/SD/Download/</a>
<b>Winmerge</b>	Consultant tool for diff configuration files during upgrades etc	<a href="http://winmerge.org/downloads/">http://winmerge.org/downloads/</a>
<b>Astrogrep</b>	Consultant tool for efficient file content search	<a href="http://sourceforge.net/projects/astrogrep/">http://sourceforge.net/projects/astrogrep/</a>

## 6 M3 Integration Requirements

In addition to the Technical Requirements for MediusFlow, these are M3 Integration specific requirements to be able to deploy, configure, and troubleshoot integrations to MediusFlow.

An **integration server**, set up by customer to host the Medius Integration Gateway (MIG) application, **is required**.

The technical requirements for this server is described in the General Integration Requirements for MediusFlow.



### 6.1 Network communication

It's crucial that the M3 database is made connectable from the integration server. This is done for both fetching masterdata and sending postings. M3/Movex access requires

- If AS/400; iSeries ODBC Access driver installed on the integration server.
  - This driver is a licensed driver package and not part of MediusFlow delivery.
- Database user access for reading masterdata from M3.
- That same user should also have insert/update/delete-access to the istone interface tables XEHEAD and XELINE (and XEINVM if Movex RPG)
- M3 application access from the MIG Server (e.g. SmartOffice client)

### 6.2 Partner access within M3/Movex

The iStone interface is installed in the M3/Movex database (If Java: within the CUS-schema, if RPG: MFLOWTEST/MFLOWPROD is installed). This is done through standard M3 MAK/LCM access if Java or MVXSECOFR/Superuser if RPG. Also iStone will need VPN access to the customer network in order to install the interface.