

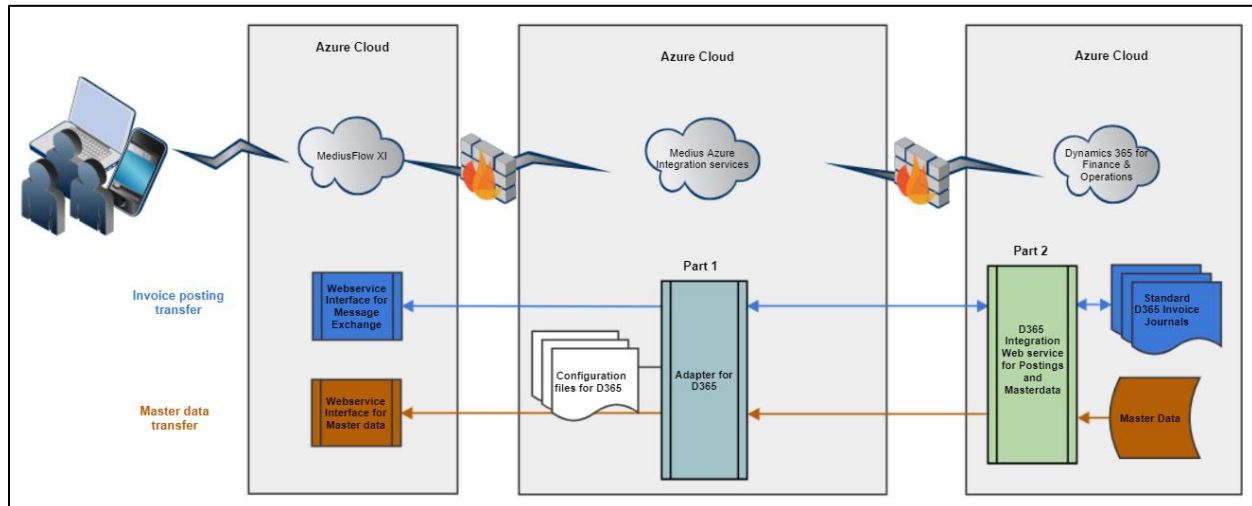
# D365 Integration - Product definition

This product definition describes the content of the Dynamics 365 for Finance & Operations integration package and the supported functionality. This product definition was last updated February 15th, 2018.

## 1 Integration Overview

This solution consists of two parts. One part is an adapter for Medius Integration services. The other part is a deployable package containing the integration model file. The package is deployed through LCS (Lifecycle Services) The solution makes it possible to transfer master data (such as suppliers, accounts etc.) from D365 to MediusFlow. It also makes it possible to transfer invoice data from MediusFlow to D365 where the invoice data is handled automatically inside D365. Once the posting is done D365 will also return a voucher to MediusFlow.

Below is a picture of the whole system with the two parts of the solution marked as part 1 and part 2.



- **Part 1**
  - Code written in C# .NET
  - Communicate with webservices in D365
- **Part 2**
  - Provided as Deployable package
  - Code written in x++
  - Consists of D365 objects
  - Datasets containing master data, which *Part 1* uses to fetch master data
  - Classes which *Part 1* uses to automatically handle invoices

## 1.1 Version dependencies

D365 Version	Integration Version	XI Version	Comment
Application version 1611 or later Platform update 3 or later	1.0.0.7 and later	Public Cloud	

## 1.2 Integration Package Content

**The Integration package includes the following for Medius Integration Services:**

- Adapter that connects to webservice in D365
- Configuration files for the D365 integration

**The Integration package includes the following for D365:**

- model file

## 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 D365 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 application	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 MediusFlow PO is posted as expense.
<b>Contract</b>	Yes		Match contract invoice against contract in MediusFlow

## 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	New companies added in D365 needs to be manually added in MediusFlow and set up for integration	
<b>Currency codes &amp; rates</b>	YES		Currency codes and current Currency Rates are transferred	
<b>G/L Accounts</b>	YES		All G/L accounts are transferred. Will be set to inactive if status is "Blocked" or "Do not allow manual entry" is set.	
<b>Dimensions</b>	YES		Includes a maximum of 10 dimensions excluding the G/L account.	If the Project module is used, only 8 dimensions is included as the Project category and Line property allocates 2 dimensions in MediusFlow.
<b>Dimension validation and Account structures in D365</b>	YES		Includes Fixed default values set on the G/L Account and Account structures stated as <i>All values Allowed</i> and <i>Allow blanks</i> .	<p>Currently no support for Advanced rules associated with Account structures.</p> <p>Not Fixed (default) values will not be transferred to MediusFlow.</p> <p>No functionality for Specifying which values are allowed, but it can be achieved in most cases by setting up equivalent Authorizations groups in MediusFlow.</p>
<b>Fixed Assets</b>	YES		Fixed Assets are available in the the first coding segment with a prefix "A."	Transaction type for Acquisition adjustments are set in MediusFlow Parameters, only one type can be selected for all Fixed asset transaction.
<b>Projects</b>	YES		Projects are available in the the first coding segment with a prefix "P."	<p>Dimensions set on the Project will be visible but not editable.</p> <p>All project categories that are transferred will be available to select.</p> <p>Default Line property is not transferred</p>
<b>Project Category</b>	YES		Expense type categories are transferred.	
<b>Line Property</b>	YES		All Line properties are transferred.	

Master Data Entity	Basic Setup	Custom Setup	Description	Limitations
Accrual Schemes	YES		The user selects a start date and Accrual identification when coding the invoice.	
Tax Groups	YES		Tax groups with references to Tax codes are transferred	
Item Tax Groups	YES		Item tax groups with references to Tax codes are transferred	
Tax Codes	YES		Tax Codes are only available in user interface when a G/L Account flagged as a VAT account is selected.	
Payment Term	YES		Transfers all payment terms to be able to calculate due date on invoice.	Currently only include the Payment method "Net".
Supplier	YES		All Suppliers are transferred to MediusFlow	Requires default Tax group/Item tax group and payment terms to transfer.
Suppliers Item numbers	YES		Item table for cross reference in connection between PO lines and invoice lines. Transferring suppliers item number when primary vendor is set.	
Purchase orders	YES		Integration will transfer Purchase orders and purchase order lines for POs that are approved or confirmed as long as the lines are not canceled or invoiced.	
Goods receipts	YES		Integration will transfer Goods receipt lines that are not fully invoiced.	
Misc Charge Codes	YES		Available to use in MediusFlow in G/L account field	

#### 4 Message Exchange

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

Posting Scenarios	Basic Setup	Custom Setup	Description
Preliminary and final postings sent from MediusFlow	YES		Postings done via Initial registration and Invoice approval Journals  Tax will be lifted at time specified by the configuration in Accounts Payable Parameters.
Cancellation of registered invoices	YES		Cancellation done via Invoice approval Journal
Only Final Postings sent from MediusFlow	YES		Posting done via Invoice Journal

<b>Accrual posting</b>	YES		Possible to split costs over several periods using D365 Accrual schemes. The Split over periods is not visualized in MediusFlow,
<b>Period management</b>	YES		Possible to move to next open period including considering Module statuses. This is defined in D365 and will not be reflected in the Posting date stored in MediusFlow.
<b>3-way matching</b>	YES		Integration requires a goods receipt to match to when posting the PO invoice in D365.
<b>2-way matching</b>	YES		Uses 2-way matching policy
<b>Adjustment requests with block and release payments</b>	NO	NO	Functionality to send a payment block on original invoice is not included
<b>Contract based invoice (Contract module)</b>	YES		Invoice is posted as Expense invoice in D365.
<b>Procurement invoice (Procurement module)</b>	NO	YES	Invoice is posted as Expense invoice in D365.
<b>Actual payment date update sent to MediusFlow</b>	NO	YES	
<b>Add link to Invoice document in D365</b>	YES		Uses D365 standard document management framework to attach a URL link to the Invoice Journal and Vendor transaction.

#### 4.1 Regional compliance

The integration package is used by customers in several 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 D365 Integration Requirements

<b>Component</b>	<b>Comment</b>
<b>Integration deployable package</b>	Deployed through Life-Cycle Services (LCS) by customers ERP-partner
<b>Azure Portal</b>	Setup connection between Medius Integration Services and D365 within the App Registration in Azure portal to receive ApplicationID and URL from the OAUTH2.0 Authorization Endpoint
<b>Azure AD</b>	Integration user added
<b>D365</b>	Integration user added as worker