A2LN Functional User Guide

LN 10.7 and LN CE 202310

Publication Information

Release: A2LN Data migration

Publication date: April 2, 2025

Contents

About this guide

This user guide will describe how to populate the A2LN staging area (Access database) from a functional perspective and how the data migration will use parameters and other settings.

Intended audience

This document is intended for data migration consultants and functional consultants who are involved in a A2LN data migration project.

Related documents

An excel file is available that will list all A2LN templates with a link to the target Infor LN tables. This document can be used to create your scope list in the initialization phase of your migration project. You can find this document on the Infor Support Portal under KB Number 1595502. The name of this document is A2LN_CE202204 Overview.xlsx

Definitions, Acronyms and Abbreviations

Definition	Description
DCA	Data Conversion Adaptor
A2LN	Anything to LN – Data migration logic pack
DAL	Data Access Layer. Program logic linked to Infor LN table
Golden Company	Master company set or kernel where configuration and setup data reside

Definition	Description
MLE	Multi Language Enablement

Chapter 1 Overview

This document will describe on a high level how to use the A2LN Access database and which templates should be used for your implementation.

Firstly, the A2LN parameters in the Access database are described. These parameters are used in the mappings to globally set values or determine if certain configurations need to be applied during the data extraction.

All available templates are briefly described. Additional information like pre-requisites and which target Infor LN tables will be populated by the template are displayed.

Migration of transactional data requires preparation in the Infor LN environment. All actions needed to migrate your orders, contract and open entries successfully are described in detail in chapter 4.

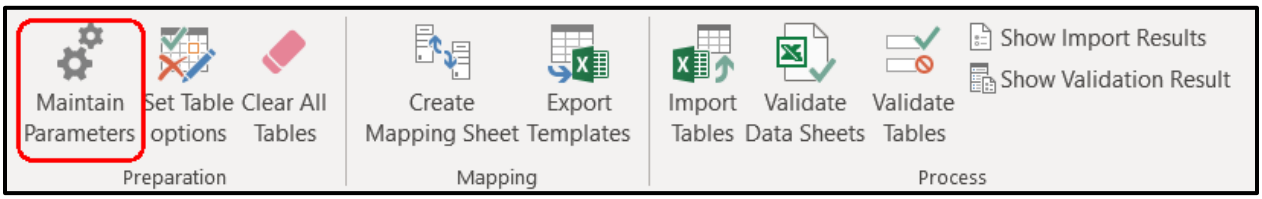
As from version LNCE 2022.10, it is also possible to migrate tables for which MLE has been activated. The procedure to follow can be found in chapter 5.

Chapter 2 A2LN Parameters

This chapter will describe the A2LN parameters that must be filled in and the impact of those on the data migration process. Some of these parameters will be used in the mapping objects to populate fields with default values, while other are required for macro's that are used within the staging area.

The parameter form is divided in different tabs for different functional areas.

To open the A2LN parameter session, click on the Parameter icon in the A2LN ribbon.



The parameter session will contain the following sections:

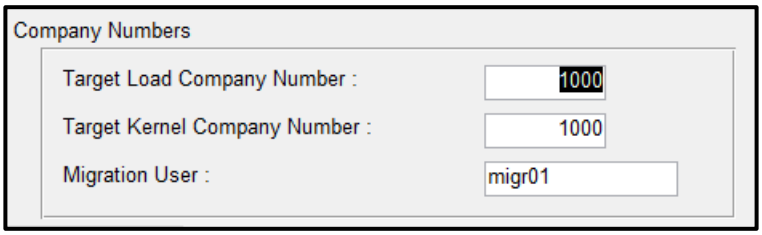
- Company numbers
- General Defaults
- Project
- Finance
- Inventory
- Text
- LN Master Data

A number of these parameters are already filled with default values. These values were taken from the Implementation accelerator. However, every installation is different, and all parameters should be checked if they are in line with the golden company (e.g. the country code should be a valid country code in the LN golden company).

These sections will be described in detail below.

Company numbers

In this section it is required to fill in the company numbers and migration username for the target Infor LN company where you will load the data.

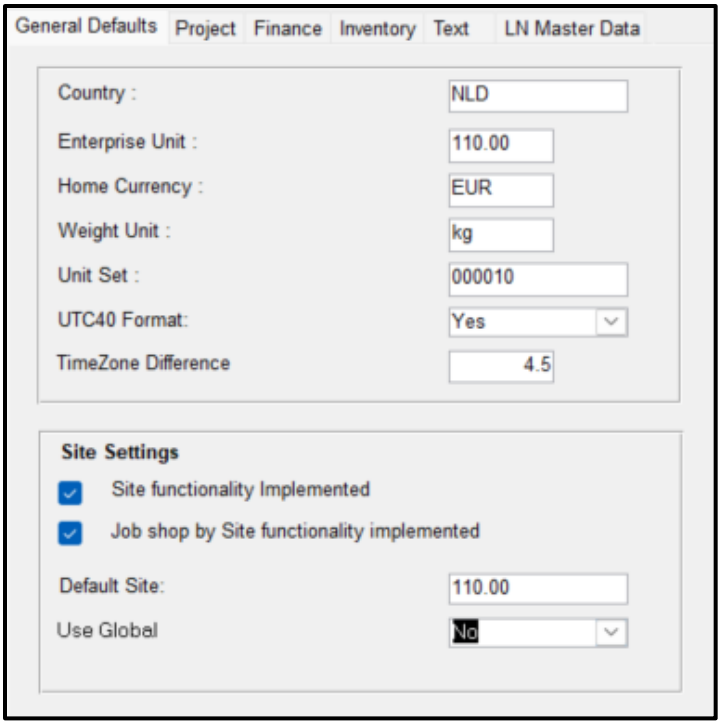


Parameter name	Description	Where used
Target Load Company Number	Specify the target Infor LN company number	tcemm110, tcemm124, tcmcs065, tdipu001, tdipu010, tdisa001, tdisa010, tsbsc100, tsmdm200 ** tfgld018, tfgld106*
Target Kernel Company Number	Specify Infor LN Company for Golden company data (on premise only)	Access Macro “Get data from LN”
Migration User	Infor LN login code used as default for several tables	tppss020, tfacp500, tfgld102, tpctm020, tibom300, timfc300, tirou400 ** tfgld018, tfgld106, tfgld007, tfgld101*

* Obsolete in this version

General Defaults

In some cases, the user can leave certain fields empty in a A2LN template. For these cases a fallback scenario is possible via the general parameters. You can also indicate whether site functionality is switched on in your implementation.



Parameter name	Description	Where used
Country	Default country where it is empty in the template. Only for FMS solution.	* *tfgld018, tfgld106*
Enterprise Unit	Default Enterprise unit for Production Departments and Stations	tcemm110, tcemm124
Home Currency	Default currency for Service Installations and Machines	tirou002, tsbsc100
Weight Unit	Default weight unit for Items. Will be used if weight unit is empty in Items template	tcibd001
Unit Set	Used to create a default unit set with all units	tcmcs012
LN uses UTC40 Date format **	For a cloud installation, this needs always set to Yes. For a on premise installation, it needs to be checked if UTC40 is supported to determine the value of this parameter (session ttaad1130m000).	UTC functions. If parameter is set to no, max date is 2038-01-19, else max date is 9999-12-30
Time Zone Difference**	Enter the time zone difference between your current location and the location of the customer. Range: -12 to 12	UTC functions.

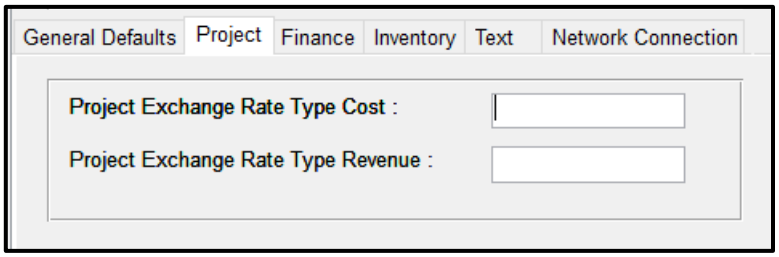
Parameter name	Description	Where used
Site functionality Implemented	If site functionality is used, certain fields will be populated in a different way	tcibd200, tdipu001
Job shop by Site functionality implemented	If Job shop site functionality is used, certain fields will be populated in a different way	tiipd001, tisfc001, tisfc010
Default Site	If Job shop site functionality is not used, but site functionality is implemented, this site is used as default in the Item Production Data. Leave this field empty if sites are not used.	tiipd001
Use Global	Used on items by site and office. When set to Automatically, migration logic determines use global flag. When value is set to no, use global flag will be set to no for all items.	tcibd150, tcibd250, tdipu081, tdisa081, tiipd051, tsmdm220, whwmd404

* Obsolete in this version

** Dates will be converted to UTC (0), using the Time zone setting of the machine where the DCA legacy engine is running. Example: If your time zone is set to Europe/Amsterdam (UTC - 1), the date 01/01/2020 00:00:00 will be dumped as 12/31/2019 23:00:00. By importing this date into Infor LN, it will be displayed as 01/01/2020 for a user in the time zone Europe/Amsterdam.
The TimeZoneDifference field is used to compensate for the time zone difference between the customer and the migration consultant because the time zone of the migration consultant is used to calculate to GMT(0) Example: The customer is in CET region and the migration consultant is located in IST time zone. The dates need to be compensated by 4.5 hours (depends on the DST). Using the time zone difference field it is no longer required to align the time zone of the DCA Legacy engine to the time zone of the customer.

Project

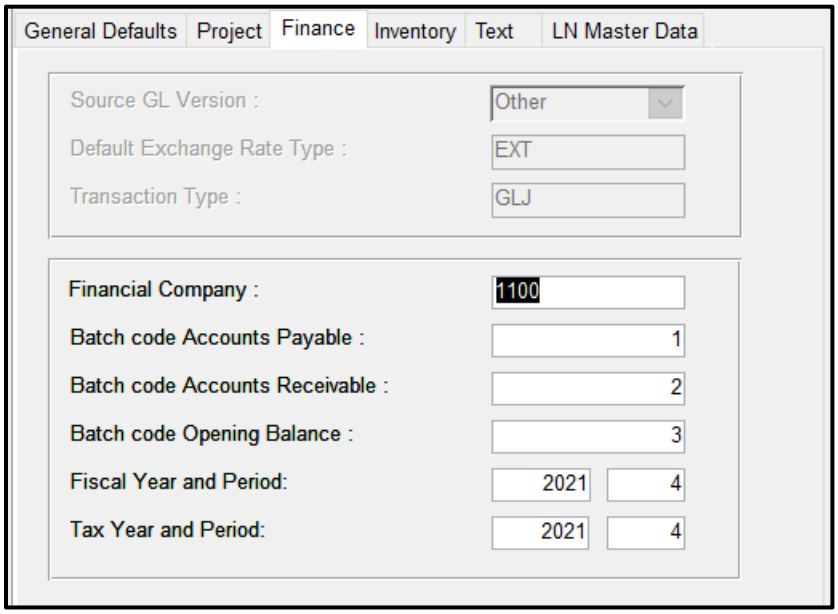
This section is only required when the project (TP) data is in scope for the data migration.



Parameter name	Description	Where used
Project Exchange Rate Type Cost	Default Rate Type for Project.	tppdm600
Project Exchange Rate Type Revenue	Default Rate Type for Project.	tppdm600

Finance

The finance parameters consist of two sections. The first section is related to FMS, which is made obsolete in this version. The second section is related to the migration of open entries for accounts payable and accounts receivable.



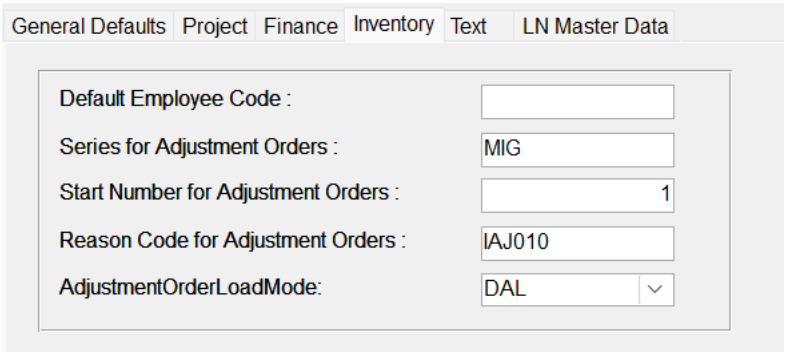
Parameter name	Description	Where used
Source GL Version (FMS)	Source FMS environment (GL2, GL3, GLE, Other)	* *tfgld008, tfgld009, tfgld018, tfgld106, tfgld201, tfgld202, tfgld203, tfgld204, tfgld205, tfgld206*
Default Exchange Rate Type (FMS)	Default exchange rate type for FMS	* *tfgld018, tfgld106*

Parameter name	Description	Where used
Transaction Type (FMS)	Default transaction type for FMS	* *tfgld018, tfgld106*
Financial Company	Financial Company in which open entries (AP/AR/opening balances) should be loaded.	tfacp500, tfacr200, tfgld102
Batch code Accounts Payable	Batch code number created in Infor LN to load open entries Accounts Payable	tfacp500, tfgld102
Batch code Accounts Receivable	Batch code number created in Infor LN to load open entries Accounts Receivable	tfacr200, tfgld102
Batch code Opening Balance	Batch code number created in Infor LN to load opening balances	tfgld102
Fiscal Year and Period	The fiscal year and period that will be linked to the open entries (AP/AR/opening balances).	tfacp500, tfacr200, tfgld102
Tax Year and Period	The Tax year and period for Accounts Receivable	tfacr200

* Obsolete in this version

Inventory

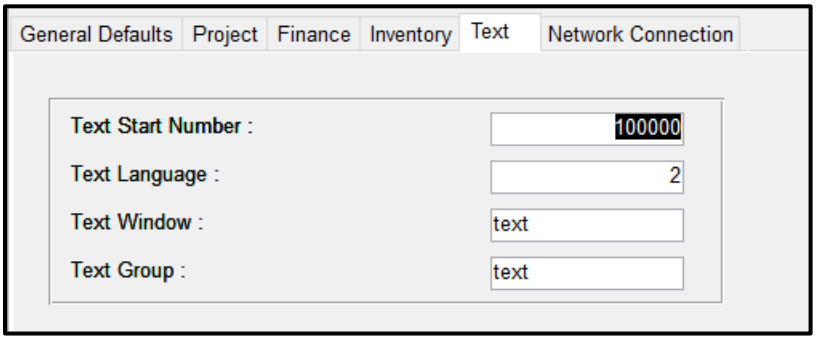
The inventory parameters are used for adjustment orders and will set default values for several fields.



Parameter name	Description	Where used
Default Employee Code	Default employee code that is linked to all migrated Adjustment orders. This field is optional. If this is filled, the code must exist in the Employee table (tccom001) in Infor LN.	whinh520
Series for Adjustment Orders	Series for Adjustment Order numbering. This field is mandatory.	whinh520
Start number for Adjustment Orders	Start number for creating Adjustment Orders. This field together with the series will determine the order number (e.g. MIG000001)	whinh520, whinh521
Reason Code for Adjustment Orders	Default Adjustment reason. This must be an existing reason code in the Infor LN. This code will be used if the reason is not filled in the AdjustmentOrder template.	whinh520, whinh521
Adjustment Order Load Mode	Adjustment order load option either to load via Bulk or DAL.	Whinh520, whinh521

Text

The text parameters are used for text numbering and will set default values for several fields.



Parameter name	Description	Where used
Text Start Number	Use a number that is bigger than the last used text number in your Infor LN company	Access Macro to generate text numbers
Text Language	Default system language for all texts (1 = Dutch, 2 = English, etc.)	tttxt002, tttxt010, Access Macro to generate text numbers.

Parameter name	Description	Where used
Text Window	Default Text Window. This should be an existing text window in Infor LN	tttxt001
Text Group	Default Text Group. This should be an existing text group in Infor LN	tttxt001

In the DCA template you only need to fill in the text, not the number. Text numbers are generated after all data has been loaded in the Access database, starting with the number given in the parameters. Texts that are linked to a certain table will be copied to an interim table with a generated number. This number will then also be used to update the table where the text originates from. In this way the text number and content will be in sync during the migration process.

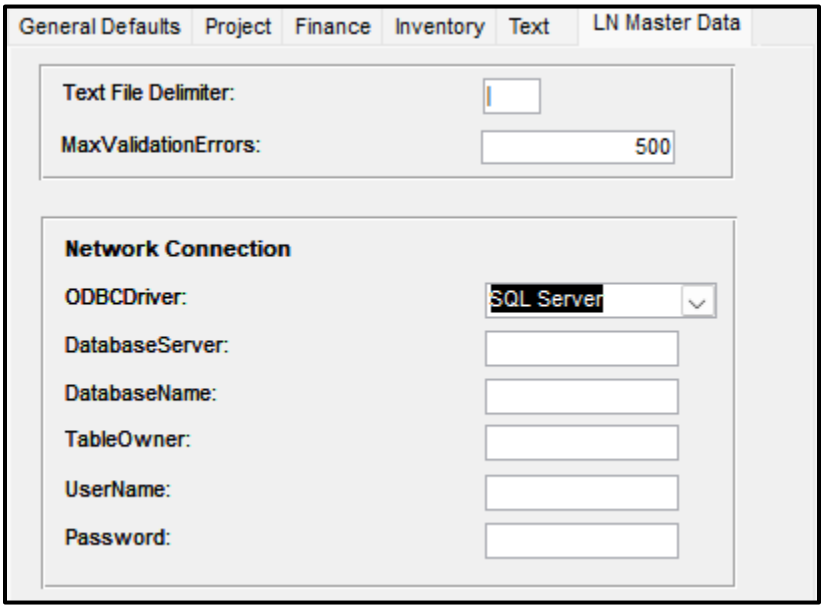
Texts with a length longer than 255 characters need special attention. During import, the standard import functions from Microsoft will analyze the first 8 rows of the excel sheet. If there are not any texts longer that 255 characters in the first 8 rows, the Microsoft import function will assume that all texts are within this limit. If there is a text longer on other rows, it will be truncated to 255 characters.

The “Validate Data Sheets” and “Validate Table” ribbons will both do a check on the text length. If a text is exactly 255 characters, it is most likely truncated during import and will report this as a validation issue.

The most common solution for this is to create a dummy text bigger than 255 characters in the first record in Excel. Note that you need to do this for every file containing text. This dummy text can be removed again after the excel template has been imported and validated.

LN Master Data

The LN Master Data parameters consist of two sections. The first section you need to specify the text file delimiter when loading LN data using text files. The second option is optional and only applicable for an on-premise implementation where item defaults are required.



Parameter name	Description	Where used
Text File Delimiter	Delimiter for text files when importing data from Infor LN using text files. Default value is "|"	Access Ribbon "Import Tables"
Max Validation Errors	The maximum number of errors per table and per kind of error message that will be displayed in the validation Report.	Access Ribbon "Validate Data Sheets" and "Validate Tables"
ODBC Driver	Select the ODBC connection for your Infor LN database (on premise only)	Access Macro "Get data from LN"
DatabaseServer	Name of the database server where Infor LN is installed (on premise only)	Access Macro "Get data from LN"
DatabaseName	Name of the Infor LN database (on premise only)	Access Macro "Get data from LN"
TableOwner	Owner of Infor LN tables (on premise only)	Access Macro "Get data from LN"
UserName	Infor LN Database username (on premise only)	Access Macro "Get data from LN"
Password	Infor LN Database password (on premise only)	Access Macro "Get data from LN"

Chapter 3 Master data Templates

This chapter will briefly describe the available templates, and for which purpose they should be used. All templates are grouped in functional areas. Templates will be described per functional area. Master data can be loaded using the bulk loader, but it is also possible to use the DAL loader.

In some cases, a pre-requisite reference is used. This means that pre-requisite template(s) is mandatory to be populated in order to do a correct migration.

The reference to related templates indicates that data in other templates might be used during the data extraction but is not mandatory.

Addresses

Template	Description	Target LN tables
Addresses	Template to create addresses, city codes and Postal Codes in Infor LN	tccom130, tccom136, tccom139
AddressesByBP	This template is to migrate additional addresses by Business Partner which are not linked as primary address to the Business Partner or one of the BP roles. Pre-requisite: Addresses, Business Partners	tccom133
DeliveryPointsByAddress	Delivery Points per Address Pre-requisite: Addresses	tccom134
CityCodeCheck	This is a query to check if generated city codes might be incorrect. Based on the output, corrections can be made in the source extract.	none

Business Partners

Template	Description	Target LN tables
BusinessPartner	Template for Business partner, including the 4 customer roles and 4 supplier roles. Related templates: BankAccountsByPayByBP to get bank code for tccom114 BusinessPartnerExtension to populate specific settings for tccom122 BankAccountsByPayToBP to get bank code for tccom124 Addresses to get country code for tctax400 and tctax401.	tccom100, tccom110, tccom111, tccom112, tccom114, tccom120, tccom121, tccom122, tccom124, tccom150, tctax400, tctax401
BusinessPartnerByDepartment	Template for department specific settings for different business partner roles. Pre-requisite: BusinessPartner	tccom112, tccom114, tccom122, tccom124, tccom210, tccom220, tccom150
BusinessPartnerBySite	Template for site specific settings for the Ship-to and Ship-from business partner roles. Pre-requisite: BusinessPartner	tccom211, tccom221
BusinessPartnerExtension	Template for Invoice-from role where certain fields differ from the Invoice-to role in the BusinessPartner template. Pre-requisite: BusinessPartner	tccom122, tccom150
BankAccountsByPayByBP	Bank account details for the Pay-by Business partner	tccom115, tccom114
BankAccountsByPayToBP	Bank account details for the Pay-to Business partner	tccom125, tccom124
BusinessPartnerShipToBySoldTo	Ship-to by Sold-to business partner mapping	tccom117
PayToBusinessPartner1099Details	Pay-to business partner 1099 details (US only)	tccom126
Contacts	Template for Contact persons	tccom140
ContactsByBP	Contact codes mapped by business partner roles. Pre-requisite: Contacts, BusinessPartner	tccom145
SupplierNumbersForASN	Supplier Numbers for Advances Shipment Notice	tccom118

Employees

Template	Description	Target LN tables
Employees	General employee data, including data for Employees People. Employees Project and Employees Service are optional	tccom001, bpmdm001, tppdm801, tsmdm140

Items

Template	Description	Target LN tables
Items	Template for items, including the sub entities: Ordering, Purchase, Sales, Production, Warehousing, Project, Service, Freight, Quality, Tool Related templates: EngineeringItemsAndItemRelationship, AlternativeItems, ManufacturerPartNumbers, ItemsByMPN, Warehouses and all ItemDefaults templates	tcibd001, tcibd200, tdipu001, tdipu100, tdisa001, tiipd001, tppdm005, tppdm007, tsmdm200, qmptc018, titrp001, fmfmd100, whwmd400
ItemsBySite	Items by site, including sub entities: Ordering, Purchase, Sales, Production, Service, Warehousing. Pre-requisite: Items	tcibd150, tcibd250, tdipu081, tdipu180, tdisa081, tiipd051, tsmdm220, whwmd404
ItemsByOffice	Items by office for sub entities: Purchase, Sales, Service Pre-requisite: Items	tdipu081, tdisa081, tsmdm220
ItemsCosting	Item Costing data by Enterprise Unit Pre-requisite: Items	ticpr007
ItemsPlanning	Item Planning data by cluster Pre-requisite: Items	cprpd100
ItemSurchargesByItem	Item surcharges by item	ticpr110
ItemSurchargesByItemGroup	Item surcharges by item group	ticpr110

Template	Description	Target LN tables
ItemPurchaseBPByItem	Item - Purchase Business Partner linked by item Pre-requisite: Items, BusinessPartners (Buy-from) Pre-Requisite for tdipu090: ItemsBySite, ItemsByOffice	tdipu010, tdipu090
ItemPurchaseBPByItemGroup	Item - Purchase Business Partner linked by item group Pre-requisite: Items, BusinessPartners (Buy-from) Pre-Requisite for tdipu090: ItemsBySite, ItemsByOffice	tdipu010, tdipu090
ItemSalesBPByItem	Item - Sales Business Partner linked by item Pre-requisite: Items, BusinessPartners (Sold-to)	tdisa010, tdisa090
ItemSalesBPByItemGroup	Item - Sales Business Partner linked by item group Pre-requisite: Items, BusinessPartners (Sold-to)	tdisa010, tdisa090
AlternativeItems	Alternative items	tcibd005
ItemCodeSystem	Item Code System. Is often configured in the golden company but can be migrated as well.	tcibd006
ItemCodesByItemCodeSystem	Item Codes by Item Code System. Includes Business Partner Revisions	tcibd004, tcibd014
ItemCodeSegmentation-Parameters	Segmentation parameters. Only populate this table when segmentation parameters deviate from standard. If table is empty, default segmentation is used to determine item code is all mapping objects.	none
ManufacturerPartNumbers	Manufacturer Part Numbers. Need to be enabled in “Implemented Software Components”.	tdipu045, MPN fields for tdipu001, tdipu081
MPNByItemBusinessPartner	MPNs by Item – Business Partner	tdipu048
ItemsByMPN	Items by MPN. Only applicable when procurement parameter "Multiple Items By MPN" is set to YES	tdipu049, MPN fields for tdipu001, tdipu081

Item Defaults

This section is only required if you want to use item defaults in your data migration process.

To use item defaulting in the data migration process, we need to import them into the staging area. This can be achieved by exporting the item defaults from your Infor LN environment, using standard Excel export functionality. The following steps need to be taken per Item default sub entity:

- Start the item default session in Infor LN (e.g. tcibd0102m000 or tdipu0102m000). See table below for details.
- Go to ACTIONS → Export and Import → Fields to Export…
- On the right tab, right click on the top entity and Select for Export. Make sure all fields are selected. Save an exit.
- Close the session and restart again.
- Go to ACTIONS → Export and Import → Advanced Export…
- Select Rows: All and Fields: Predefined set. Use button EXPORT. Save, without changing the filename, the result in a pre-defined directory.

When all files are exported and placed in a single directory, you must first make sure that the Item default tables are selected in the “Maintain Scope” form. When this is done, you can use the Access Macro “Get Item Defaults” to import them in the staging area.

For an alternative method importing item defaults, please see Appendix A.

Template	Description	Target LN tables
ItemDefaultsGeneral	Item General Defaults Session: tcibd0102m000	tcibd001
ItemDefaultsCosting	Item Costing Defaults Session: ticpr0108m000	ticpr007
ItemDefaultsFreight	Item Freight Defaults Session: fmfmd1101m000	fmfmd100
ItemDefaultsOrdering	Item Ordering Defaults Session: tcibd2101m000	tcibd200
ItemsDefaultsPlanning	Item Planning defaults Session cprpd1110m000	cprpd100

Template	Description	Target LN tables
ItemDefaultsProduction	Item Production Defaults Session: tiipd0102m000	tiipd001
ItemDefaultsProject	Item Project Defaults Session: tppdm0506m000	tppdm005
ItemDefaultsPurchase	Item Purchase Defaults Session: tdipu0102m000	tdipu001
ItemDefaultsQuality	Item Quality Defaults Session: qmptc0117m000	qmptc018
ItemDefaultsSales	Item Sales Defaults Session: tdisa0502m000	tdisa001
ItemDefaultsService	Item Service Defaults Session: tsmdm2105m000	tsmdm200
ItemDefaultsTool	Item Tool Defaults Session: titrp0109m000	titrp001
ItemDefaultsWarehousing	Item Warehousing Defaults Session: whwmd4501m000	whwmd400
ItemControlAndDefaultsBySite	Item Control and Defaults by Site Session: tcibd1552m000	Used for all items By Site defaults
ItemDefaultsGeneralBySite	Item Defaults by Site Session tcibd1551m000	tcibd150
ItemDefaultsOrderingBySite	Item Ordering Defaults by Site Session: tcibd2151m000	tcibd250
ItemDefaultsPurchaseBySite	Item Purchase Defaults by Site Session: tdipu0182m000	tdipu081
ItemDefaultsSalesBySite	Item Sales Defaults by Site Session: tdisa0182m100	tdisa081
ItemDefaultsProductionBySite	Item Production Defaults by Site Session tiipd0152m000	tiipd051
ItemDefaultsServiceBySite	Item Service Defaults by Site Session: tsmdm2125m100	tsmdm220
ItemsDefaultsWarehousing-BySite	Item Warehousing Defaults by Site Session: whwmd4109m000	whwmd404

Pricing

Template	Description	Target LN tables
MatrixDefinitions	Matrix Definitions. Is often configured in the golden company but can be migrated as well.	tdpcg010
PriceBookCodes	Price Books.	tdpcg011
DiscountScheduleCodes	Discount Schedule Codes. Can be configured in the golden company depending on numbers.	tdpcg012
MatrixSequences	Matrix Priorities. Is often configured in the golden company but can be migrated as well.	tdpcg020
DiscountSchedules	Discount Schedules.	tdpcg021
Matrices	Matrices	tdpcg030
PriceBooks	Price Book Lines Pre-requisite: PriceBookCodes (to determine the price type)	tdpcg031
SimulatedPurchasePrices	Simulated Purchase Prices	ticpr170

Bill of Material

Templates when Job Shop by Site is activated

Template	Description	Target LN tables
JobShopBillOfMaterial	Job Shop Bill of Materials. Related templates: ProductionBillOfMaterial to set flag if PBOM exist JobShopBOMAlternativeMaterial to set flag if JBOM alternative material exist. EngineeringItemsAndItemRelationship to determine BOM source and revision	tibom300, tibom310, timfc001
JobShopBOMAlternative-Material	BOM - Alternative Materials	tibom320
ReferenceDesignatorBy-BomAndSite	Reference Designator by BOM and Site	tibom330
MaterialRoutingRelationships-BySite	Material - Routing Relationships	tibom340

Template	Description	Target LN tables
ProductionBillOfMaterial	Job Shop Bill of Materials. Related templates: Production BOM Alternative Material to set flag if JBOM alternative material exist. EngineeringItemsAndItemRelationship to determine BOM source and revision	timfc300, timfc310
ProductionBOMAlternative-Material	Production Bill of Material Alternative Materials.	timfc320
ReferenceDesignatorBy-ProductionBOM	Reference Designator by Production BOM	timfc330
SubcontractingBOM	Subcontracting Model and Bill of Materials	tisub100, tisub110

Templates when Job Shop by Site is NOT activated

Template	Description	Target LN tables
BillOfMaterial	Bill of Material	tibom010
ReferenceDesignatorByBOM	Reference Designator by BOM	tibom020
AlternativeMaterial	Alternative Material	tibom050
PlanningBillOfCriticalMaterials	Planning Bill of Critical Materials	cprpd325

Routings

General

Template	Description	Target LN tables
WorkCenter	Work Centers. Is often configured in the golden company but can be migrated as well. Related templates: Addresses to determine city code	tirou001, tcemm110, tcemm124, tcmcs065, cprpd200
ProductionDepartment	Production Departments. Is often configured in the golden company but can be migrated as well. Related templates: Addresses to determine city code	tirou200, tcemm110, tcemm124, tcmcs065

Template	Description	Target LN tables
ProcessVariables	Process Variables. Is often configured in the golden company but can be migrated as well.	tirou005
AsBuiltHeadersAnd-Components	As-Built Header for Serial End Item and As-Built Components for Serial End Items	timfc010, timfc011
SubcontractingRates	Subcontracting Rates	ticpr160

Templates when Job Shop by Site is activated

Template	Description	Target LN tables
MachineType	Machine Types. Is often configured in the golden company but can be migrated as well.	tirou460
MachineCapacityGroup	Machine Capacity Group. Is often configured in the golden company but can be migrated as well.	tirou461
MachineNumbers	Machine Numbers. Is often configured in the golden company but can be migrated as well.	tirou462
ReferenceOperations	Reference Operations. (Former task relationships)	tirou450
JobShopRouting	Job Shop Routing.	tirou400
JobShopRoutingOperations	Job Shop Routing Operations. Pre-requisite: JobShopRouting to determine routing quantity Related templates: LNWorkCenter or Workcenter to determine backflushing values.	tirou401

Templates when Job Shop by Site is NOT activated

Template	Description	Target LN tables
Machine	Machines. Is often configured in the golden company but can be migrated as well.	tirou002
Task	Tasks. Is often configured in the golden company but can be migrated as well.	tirou003
TaskRelationship	Task Relationship.	tirou004
MaterialRoutingRelationships	Material-Routing Relationships	tibom040
RoutingCodesByItem	Routing Codes by Item.	tirou101

Template	Description	Target LN tables
RoutingOperation	Routing Operation. Pre-requisite: RoutingCodesByItem to determine routing quantity	tirou102
PhantomRoutingRelationship	Phantom Routing Relationships.	tirou103

Engineering

Template	Description	Target LN tables
EngineeringItem	Engineering Items	tiedm010
ReferenceDesignatorBy-EngineeringItem	Reference Designator By Engineering Items	tiedm020
EngineeringItemRevision	Engineering Item Revisions	tiedm100
EngineeringItemsAndItem-Relationship	Engineering Items and Item Relationship	tiedm101
EngineeringBOM	Engineering BOM	tiedm110
ReferenceDesignatorBy-EngineeringBOM	Reference Designator By Engineering BOM	tiedm210
EngineeringBOM-AlternativeMaterial	Engineering BOM Alternative Material	tiedm215

Assembly Engineering

Template	Description	Target LN tables
AssemblyOperations	Assembly Operations	tiapl100
AssemblyOperations-Assignments	Assembly Operations Assignments	tiapl110
AssemblyOperations-InspectionProtocol	Assembly Operations Inspection Protocol	tiapl120
AssemblyBOMandOperations	Assembly BOM and Operations	tiapl220
AssemblyLines	Assembly Lines	tiasl130
LineSegments	Assembly Line segments	tiasl140

Template	Description	Target LN tables
LineSegmentsByAssembly-Line	Line segments by Assembly Line	tiasl141
Stations	Stations Related templates: Addresses to determine city code	tiasl145, tcmcs065, tcemm110, tcemm124
StationsByLineSegment	Stations by line segment Pre-requisite: Stations (to determine station type)	tiasl150
GenericBOM	Generic Bill of materials	tipcf310
ProductVariantsAssembly	Product variants for assembly control	tiapl310, tipcf500, tipcf510
OptionsByProductVariant	Options by product variant for assembly control	tipcf520

Warehouse Location

Template	Description	Target LN tables
StorageConditionByLocation	Storage Conditions by Location	whwmd102
StorageConditionBy-ItemGroupsItem	Storage Conditions by Item Group/Item	whwmd104
Locations	Locations Related templates: LocationCapcity to determine Infinite Capacity flag	whwmd300
LocationCapacity	Location Capacity	whwmd301
LocationByItem	Location Data by Item	whwmd302
Zones	Zones	whwmd310
DockLocationsByWarehouse-StorageZone	Dock Locations by Warehouse/Storage Zone/Item/Partner	whwmd220

Inventory

Template	Description	Target LN tables
LotsByItem	Lots by Item	whltc100
SerializedItems	Serial Numbers	tcibd401
SerialsByWarehouse	Serials by Warehouse	whltc500
WarehouseItem	Warehouse Item Pre-requisite: Items, Warehouses (from LN Master data) Related templates: AdjustmentOrders to create data if not preset in WarehouseItem template	whwmd210, whwmd215, whwmd216
AdjustmentOrders	Adjustment Orders are used to upload your inventory figures in Infor LN. Adjustment orders need to be processed after data migration. Pre-requisite: Items Related templates: WarehouseItem to retrieve Inventory valuation method. (default = Standard Cost)	whinh520, whinh521, whinh525, whinh526
ItemIssueByPeriod	Item Issue by Period (History table. Can used for forecasting)	whinr120
ItemIssueByWarehouse	Item Issue by Warehouse (History table. Can used for forecasting)	whinr130

Migration of Adjustment orders requires special attention, as this will generate transactional data.

Before you load adjustment orders into the system, it is required to do the cost price calculation and actualization first. The calculation date of the cost price will be used by the adjustment order to determine the price of the item and so the inventory value.

The financial mapping scheme needs to be set up before you can process the orders. It is good practice to validate the migrated orders first, before processing them.

If you are using handling units in your AdjustmentOrders template, this quantity will be updated in the handling unit tables after processing them. The HandlingUnits template will have no quantity field.

Packaging

Template	Description	Target LN tables
PackagingItems	Packaging Items	whwmd405
PackagingItemsByBP	Packaging Items by Business Partner	whwmd407
PackagingItemsByItem	Packaging Items by Item	whwmd408
PackageDefinitions	Package Definitions	whwmd410
PackageDefinitionLevels	Package Definition Levels	whwmd420
PackageDefinitionsByItem	Package Definitions by Item	whwmd430
PackageDefinitionLevels-ByItem	Package Definition Levels by Item	whwmd440
HandlingUnits *	Handling Units	whwmd530, whwmd536
AuxiliaryPackaging	Handling Unit - Auxiliary Packaging	whwmd532
HandlingUnitTemplates	Handling Unit Template Nodes	whwmd460
HandlingUnitTemplates-Auxiliary	HU Template Nodes - Auxiliary Packaging	whwmd462

* See also Inventory

Service

Template	Description	Target LN tables
MeasurementUnits	Measurement Units	tsmdm060
MeasurementTypes	Measurement Types	tsmdm065
MaintenanceTriggerSets	Maintenance Trigger Sets	tsmdm068
MaintenanceTriggers	Maintenance Triggers	tsmdm069
ReferenceActivities	Reference Activities / Master Routing (Option)s	tsacm101
ResourceRequirementsBy-ReferenceActivity	Resource Requirements by Reference Activity	tsacm220
MeasurementTypesBy-ReferenceActivity	Measurement Types by Reference Activity	tsacm360
ServiceInstallations	Installation	tsbsc100, tsbsc110
SerializedItemsService	Serialized Items	tscfg200

Template	Description	Target LN tables
PhysicalBreakdowns	Physical Breakdowns	tscfg210
PreventiveMaintenance-Scenario	Preventive Maintenance Scenarios	tsspc130
PreventiveMaintenance-ScenarioLines	Preventive Maintenance Scenario Lines	tsspc131
PreventiveMaintenance-ScenarioLinePatterns	Preventive Maintenance Scenario Line Patterns	tsspc132
RuleBookForMaintenance-Scenarios	Rule Book for Maintenance Scenarios	tsspc135

TP Projects

Template	Description	Target LN tables
StandardLabors	Labor	tppdm015
StandardEquipments	Equipment	tppdm025, tcibd001, tdipu001, tdisa001
StandardSubcontractings	Subcontracting	tppdm035, tcibd001, tdipu001, tdisa001
StandardSundryCosts	Sundry Costs	tppdm040
TradeGroups	Trade Groups	tppdm016
StandardElements	Standard Elements	tppdm090
StandardElements-RevenueCodes	Revenue Codes of Standard Elements	tppdm141
ProgressInvoicingElements-RevenueCodes	Revenue Codes of Progress Invoicing Elements	tppdm142
StandardActivities	Standard Activities	tppdm110
StandardActivities-RevenueCodes	Revenue Codes of Standard Activities	tppdm139
ProgressInvoicingActivities-RevenueCodes	Revenue Codes for Progress Invoicing Activities	tppdm140
MaterialPriceFluctuations-IndexTables	Index Tables of Material Price Fluctuations	tppdm153

Template	Description	Target LN tables
StandardSurcharges-GeneralAndByCostType	Standard Surcharges (General and by Cost Type)	tppdm170
StandardSurcharges-ByCostComponent	Standard Surcharges by Cost Component	tppdm171
StandardSurcharges-ByMaterial	Standard Surcharges by Material	tppdm172
StandardSurchargesByLabor	Standard Surcharges by Labor	tppdm173
StandardSurcharges-ByEquipment	Standard Surcharges by Equipment	tppdm174
StandardSurcharges-BySubcontracting	Standard Surcharges by Subcontracting	tppdm175
StandardSurcharges-BySundryCost	Standard Surcharges by Sundry Cost	tppdm176
Projects	Projects	tppdm600, tcmcs052, tcemm110, tcemm113
ProjectCostControlLevels	Cost Control Levels by Project	tppdm601
ProjectLabors	Project Labor	tppdm615
ProjectEquipments	Project Equipment	tppdm625, tcibd001, tdipu001, tdisa001
ProjectSubcontractings	Project Subcontracting	tppdm635, tcibd001, tdipu001, tdisa001
ProjectSundryCostCodes	Project Sundry Cost Codes	tppdm640
ProjectRevenues	Project Revenues	tppdm643
EmployeesByResponsibility	TP Project: Employees by Responsibility	tppdm049
EmployeesResponsible-ByProject	Employees Responsible by Project	tppdm649
ProjectContractDeliverables	Deliverables	tppdm700
BuyFromItems	TP Project: Buy-from items	tppdm750
BuyFromBPFileLayouts	TP Project: Buy-from Diskette Layouts	tppdm751
DiscountGroupsByBuyFrom	TP Project: Discount Groups by Buy-from	tppdm752
UnitsByBuyFrom	TP Project: Units by Buy-from	tppdm754
ItemsByBuyFrom-DiscountGroup	Items by Buy-from's Discount Group	tppdm758
ProjectPlans	Project Plans	tppss010
Baselines	Baselines	tppss020

Template	Description	Target LN tables
Activities	Activities Pre-requisite: Projects	tppss200
ActivityBaseline	Activity Baselines	tppss220
Elements	Elements	tpptc100
ElementRelations	Element Relations	tpptc101
Extensions	Extensions	tpptc050
Programs	Programs	tpctm010
BankGuarantees	Bank Guarantees	tpctm020
ProjectContracts	Contracts	tpctm100
ProjectContractLines	Contract Lines Pre-requisite: ProjectContracts	tpctm110
ProjectCosts	Project Costs (Material, Labor, Equipment, Subcontracting and Sundry)	tpppc211, tpppc231, tpppc251, tpppc271, tpppc291
ProjectRevenueEntry	Revenues	tpppc301

TI Projects

Template	Description	Target LN tables
PCSProjects	PCS Projects	tcmcs052, tipcs020, tipcs030
PCSProjectParts	PCS Project Parts	tipcs025
PCSProjectStructure	PCS Project Structure	tipcs026
PCSBudgetDetails	PCS Budget Details	tipcs040
PCSActivitiesByProject	PCS Activities by Project	tipcs400
PCSActivityRelationships	PCS Activity Relationships	tipcs410
PCSModulePlanningByProject	PCS Module Planning by Project	tipcs420

Product Configuration (PCF)

Template	Description	Target LN tables
ProductFeatures	Product Features	tipcf050, tipcf051
ProductFeatureOptions	Product Feature Options	tipcf060, tipcf061
ProductFeaturesby ConfigurableItems	Product Features by Configurable Items	tipcf100, tipcf101
OptionsbyProductFeature andConfigurableItem	Options by Product Feature and Configurable Item	tipcf110, tipcf111
ConstraintIDsby ConfigurableItem	Constraint IDs by Configurable Item	tipcf200, tipcf210
ConstraintValidationMessages	Constraint Validation Messages	tipcf220
SettingsforGenericItem DataGeneration	Settings for Generic Item Data Generation	tipcf300
GenericBOM	Generic BOM (see Assembly Engineering)	tipcf310
GenericRouting	Generic Routing	tipcf320
GenericPriceLists	Generic Price Lists	tipcf400
PriceListDescriptions	Price List Descriptions	tipcf401
PriceListMatrixIDs	Price List Matrix IDs	tipcf410
PriceListMatrix	Price List Matrix	tipcf420
ProductVariants	Product Variant IDs	tipcf500, tipcf510
ProductVariantStructure	Product Variant Structure	Not Mapped
SalesPriceStructureby ProductVariant	Sales Price Structure by Product Variant	tipcf530

Product Lifecycle Management (PLM)

Template	Description	Target LN tables
PLMItems	PLM Items	pdpdm100, pdpdm117
PLMBOM	PLM BOM	pdpdm101
ItemCustomers	Item Customers	pdpdm103
ItemManufacturers	Item Manufacturers	pdpdm108
ItemProjects	Item Projects	pdpdm110

Template	Description	Target LN tables
CheckItems	Check Items	Not mapped
Folders	Folders	Not mapped
FolderItems	Folder Items	pdpdm301
FolderProjects	Folder Projects	pdpdm304
CheckFolders	Check Folders	Not mapped
PLMProjects	PLM Projects	pdadm300

General Ledger

Template	Description	Target LN tables
Dimensions	Dimensions	tfgld010
DimensionMapping	Mapping Table for Dimensions used for recoding	None
DimensionType	Dimension Type	tffgld002
ChartOfAccounts	Chart of Accounts	tfgld008
CrossValidationRules	Cross Validation Rules & Elements	tfgld051, tfgld052
Periods	Periods	tfgld005
EndDatesByYear	End Dates By Year	tfgld006
PeriodTotals	Period Totals	tfgld201, tfgld202, tfgld205
OpeningBalanceHistory	Opening Balance History	tfgld203, tfgld204, tfgld206
GLCodes	GL Codes	tfgld475

Fixed Assets

Template	Description	Target LN tables
Assets	Assets	tffam100

Template	Description	Target LN tables
AssetBook	Asset Book	tffam110, tffam115
AssetDistribution	Asset Distribution	tffam120, tffam115
BusinessInformationByAsset	Business Information by Asset	tffam243
FAMLocation *	Location Load from Master data, do not fill manually.	None, used to determine location keys
FAMLocations *	Locations Load from Master data, do not fill manually.	tffam530
FAMSequenceNumbers *	Sequence Numbers Load from Master data, do not fill manually.	tffam050

* These tables are only required when using asset distribution table.

When using Asset distributions, the following steps are required for a proper migration.

- Load FAMLocation, FAMLocations and FAMSequence Numbers from LN Master data. (See appendix A). Never give these templates to customer/partner to populate. These are technical tables to support Asset Distribution functionality.
- Make sure that Assets, AssetBook and AssetDistribution are populated/imported completely before continuing with the next step.
- Run the macro “GenerateDistributionKeys”. This will use/add/update records in the templates to make sure the distribution and locations keys are linked correctly.
- When loading data, you need to reload in truncate mode the tables tffam050 and tffam530.

Miscellaneous

Template	Description	Target LN tables
ConversionCodes	Conversion Codes. Codes used for recoding of LN entities (e.g. country, unit)	none
ConversionCodesValues	Conversion Code Values. This table contains the mapping of old codes to new codes by entity. This table is read during conversion for fields where recoding is applied.	none
ConversionFactorsByItem	Conversion Factors by Item	tcibd003
ConversionFactorsBy-ItemGroup	Conversion Factors by Item Group	tcibd003

Template	Description	Target LN tables
SourcingStrategies	Sourcing Strategies	cprpd710
SupplyingRelationships	Supplying Relationships	cprpd730
Units	Units & Units by Unit Set. Is often configured in the golden company but can be migrated as well.	tcmcs001, tcmcs012

Master Data From LN

In some cases, it is required to use master data that has been setup in the kernel in the mappings. In the section it will be described how to import master data from LN into the staging area.

Master data extraction uses the same procedure are retrieving item defaults from Infor LN. The following steps are required:

- Export master data using the excel export functionality. For detailed procedure, see item defaults.
- Modify comment in Excel sheet, if required. See table below.
- Make sure all files are in the same directory and that these tables are selected in the “Maintain Scope” form.
- Use macro “Get LN Masterdata” to import these tables.

For an alternative method importing LN master data, please see Appendix A.

Template	Description	Target LN tables
Warehouse	Warehouse Session tcmcs0503m000	none
Warehouses	Warehouses Session: whwmd2500m000 Change file: Comment on cell E1: replace tcmcs003.cwar with whwmd200.cwar	Used in whwmd210, whwmd400, whwmd404
LNWorkCenter	Work Centers Session:tirou0101m000 Change file: comment on cell E1: replace tcmcs065.site with tirou001.site	Used in tirou401 when work centers not migrating.

Template	Description	Target LN tables
LNSites	Sites Session tcemm0150m000	None

Quality

Template	Description	Target LN tables
Characteristics	Characteristics	qmptc001
CharacteristicTests	Characteristic Tests	qmptc002
Instruments	Instruments	qmptc008
ItemQualityData	Item Quality Data	qmptc018
StandardTestProcedureByTestGroup	Standard Test Procedure By Test Group	qmptc036
StandardTestProcedureCharacteristics	Standard Test Procedure Characteristics	qmptc015
StandardTestProcedures	Standard Test Procedures	qmptc010
TestGroupCharacteristics	Test Group Characteristics	qmptc037
TestGroups	Test Groups	qmptc025
TestingCombinations	Testing Combinations	qmptc019
Tests	Tests	qmptc006

Chapter 4 Transactional data

Transactional data need a different approach that master data. Where master data is normally loaded using the bulk loading method, transactional data uses the DAL loader. We will divide the transactional data in two sections.

Orders & Contracts

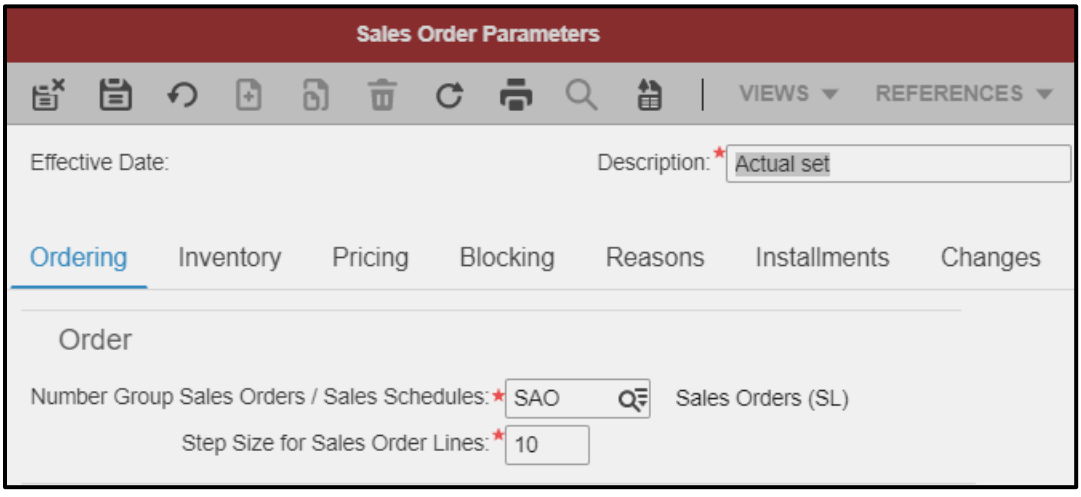
When creating orders and contracts, the DAL makes use of the number group series and the first free number functionality in Infor LN. This cannot be intercepted by the loading mechanism. Therefor it is important to follow these rules while migrating orders and contracts.

Check number group setup

Before populating the access database with order or contract data, you must check the current setup in Infor LN, to construct your new order/contract number. Follow the steps below to determine the new number. The screenshots show an example for the Sales orders.

Step 1

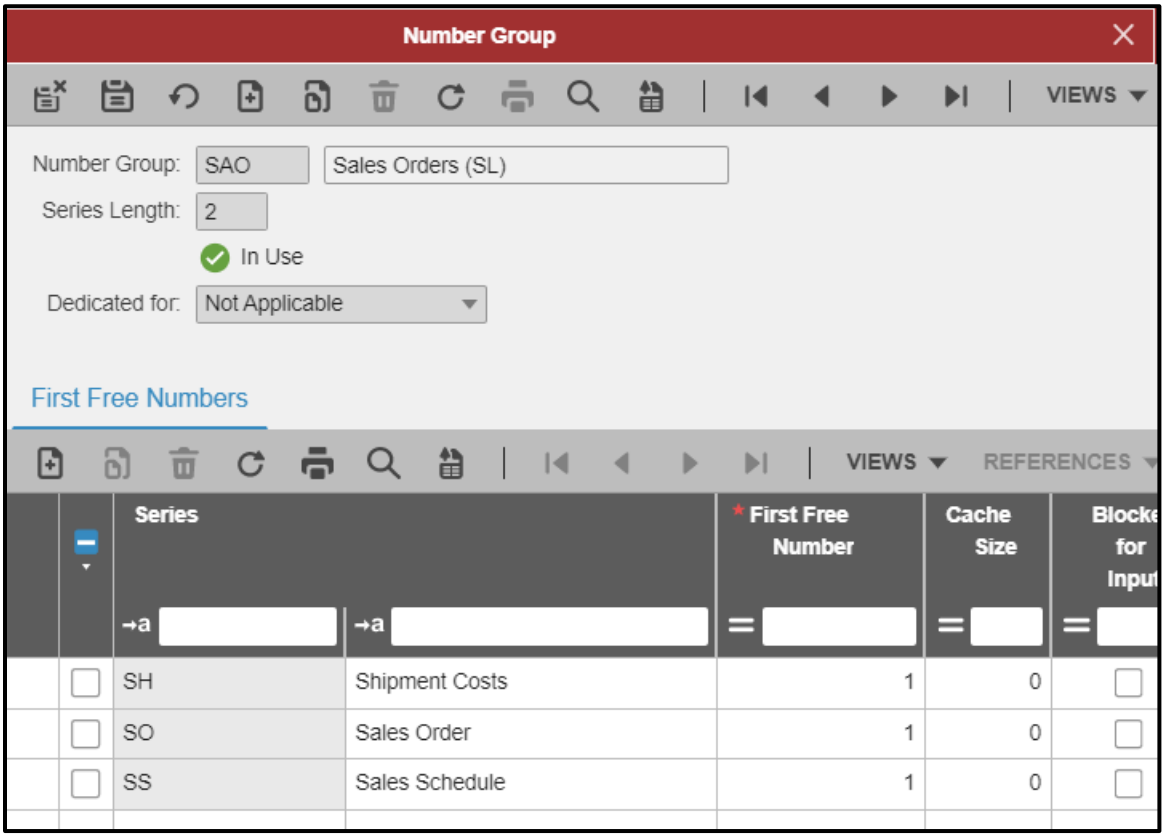
Open the parameter session for sales (or purchase/production/service, etc.). Select the actual parameter session and open this. Search now for the number group that is used for your entity to be migrated.



In this example the number group for sales orders is “SAO”.

Step 2

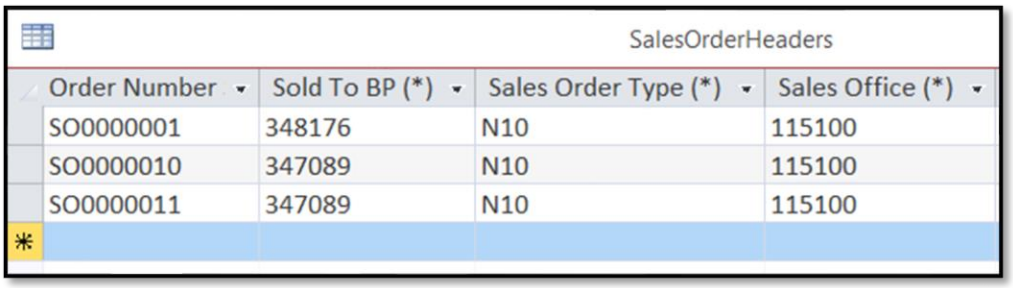
Open the first free number session (tcmcs0150m000) and search for the number group used in the parameter session.



You can use any of the series linked to the number group to construct your new order/contract number. You might even consider creating a new series dedicated for the data migration.

Step 3

Now you know which series to use, you can create your data in Access. Your number should always be prefixed with the series number and the total length of your number should always be 9 characters. Characters after the series must be numeric.



SalesOrderHeaders

Order Number	Sold To BP (*)	Sales Order Type (*)	Sales Office (*)
SO0000001	348176	N10	115100
SO0000010	347089	N10	115100
SO0000011	347089	N10	115100

Migration logic for loading

When migrating the order/contract headers, the migration software will look up the number group in the migration parameters and determine the length of the series. It will use this length to retrieve the series from the given order number.

In this example the series length is 2 and will retrieve “SO” from the order number.

The software will check if this series exist in the first free numbers. If not, it will stop loading the record.

When it does exist, the first free number will be updated, before inserting the record. So, for order number “SO0000011” the first free number will be updated with “11”. The DAL logic will then reconstruct this number again. For every new order, the first free number will be updated again.

Post Conversion actions

After the data migration, it is necessary to manually update the first free number for the series used in the migration. Select the highest order/contract number and update the first free number for the series to this number + 1.

Purchase

Template	Description	Target LN tables
PurchaseOrderHeaders	Purchase order headers	tdpur400, *tdpur450
PurchaseOrderLines	Purchase order lines	tdpur401, tdpur411, tdpur413, tdpur415, *tdpur451
PurchaseContracts	Purchase Contracts	tdpur300
PurchaseContractLines	Purchase Contract lines	tdpur301, tdpur303

* Only if parameters are switched on for history.

Sales

Template	Description	Target LN tables
SalesOrderHeaders	Sales order headers	tdsls400, *tdsls450
SalesOrderLines	Sales order lines Pre-requisite: SalesOrderHeaders	tdsls401, tdsls411, tdsls413, tdsls415, * tdsls451 ** tcibd420
SalesContracts	Sales Contracts	tdsls300
SalesContractLines	Sales Contract lines. Logistic data (tdsls302) is dependent on parameter in LN and template. tdpcg100/101 will only be populated if price lines are used. NOTE: tables tdsls303, tdpcg100/101 need to be loaded without DAL.	tdsls301, tdsls302, tdsls303 tdpcg100, tdpcg101

* Only if parameters are switched on for history.

** Only if the product variant is used on the sales order line.

Production

Template	Description	Target LN tables
ProductionOrders	Production order headers Related Template: JobShopBillOfMaterial to retrieve the BOM Model and revision	tisfc001, tisfc005, ticst151, timfc001
ProductionOrderOperations	Production Order Operations Pre-requisite: ProductionOrders	tisfc010
ProductionOrderMaterials	Estimated and Actual Material Costs Pre-requisite: ProductionOrders	ticst001

For migration of production orders, there are two possible options.

Option 1:

Production order that has started, but not completed. Only the operations that needs to be done and the materials that needs to be issues are required in the templates. Production order will be created with status planned.

Production order numbers does not make use of first free number functionality

Access Templates for Production Orders are:

•ProductionOrders

•ProductionOrderOperations

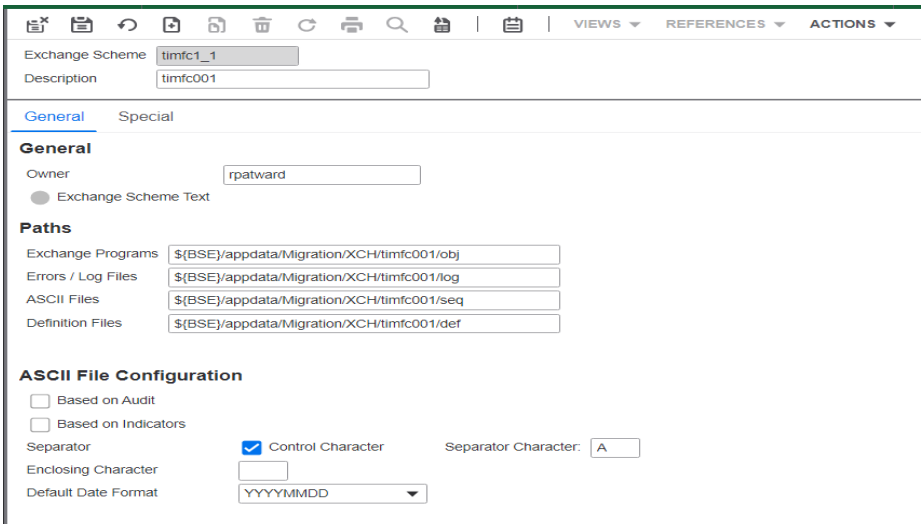
•ProductionOrderMaterials

For this scenario, the loading method is important. The table below indicates how the production order table should be loaded.

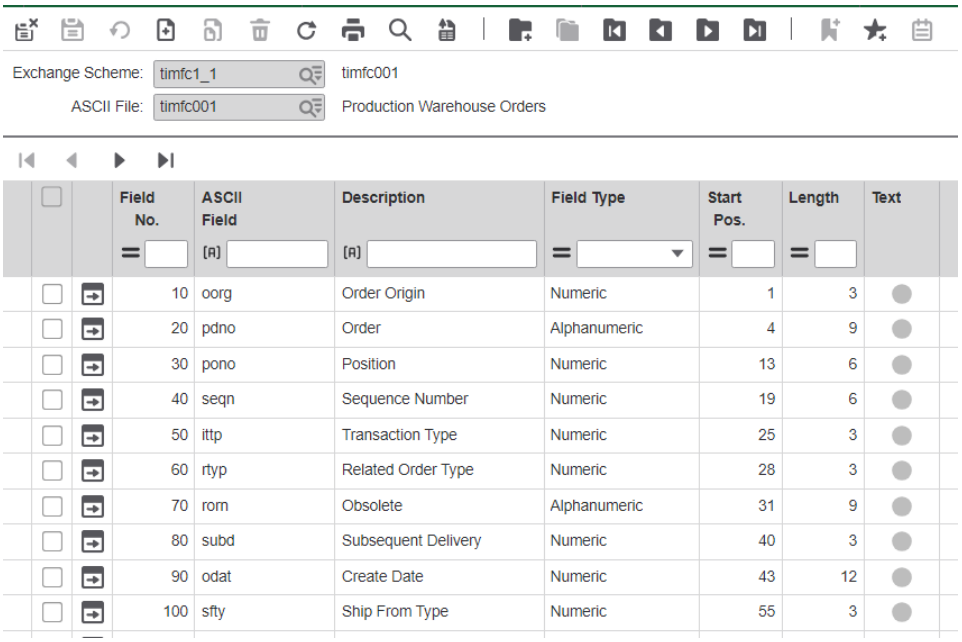
LN table	Loading Method	Priority/Sequence
tisfc001	Database Loader	1
ticst151	Database Loader	1
tisfc005	Database Loader (if populated)	1
timfc001	~~DAL Loader~~ (NOT WORKING) Load using XCH	2
tisfc010	DAL Loader	3
ticst001	DAL Loader	3

Note- timfc001 DAL loader doesn't work. Use exchange program for loading timfc001 which will take care of DAL checks and default field values.

There is an exchange scheme available* that will be able to import data into timfc001. This will be by default Control character (A) separated files with the extension ".da2". You can change the delimiter if that is required. The DCA generated timfc001.da2 file can be imported directly without changing.

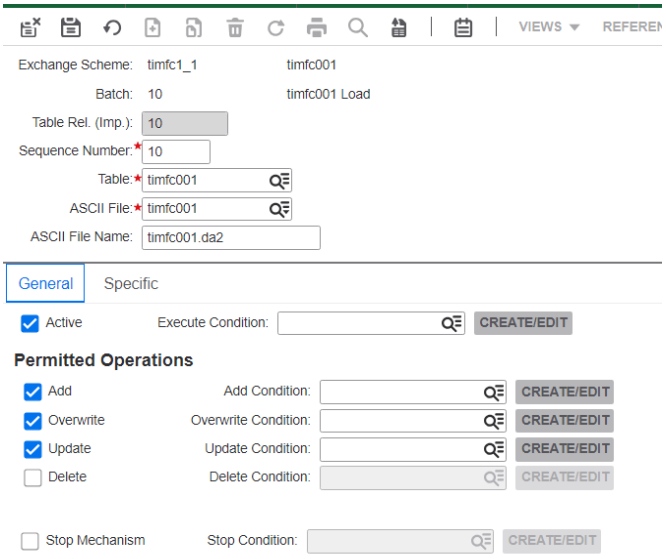


If wants to create exchange on their own then, keep all ascii file fields from da2.

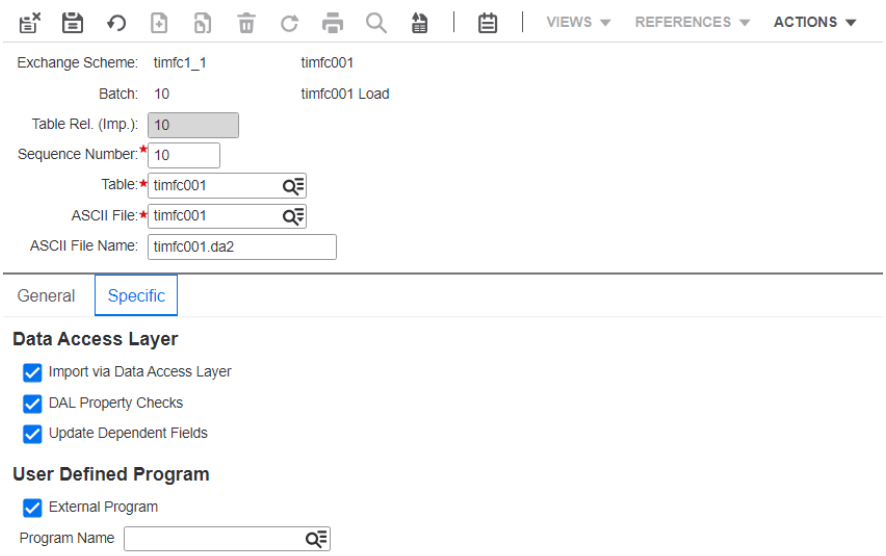


Field No.	ASCII Field	Description	Field Type	Start Pos.	Length	Text
10	oorg	Order Origin	Numeric	1	3	
20	pdno	Order	Alphanumeric	4	9	
30	pono	Position	Numeric	13	6	
40	seqn	Sequence Number	Numeric	19	6	
50	ittp	Transaction Type	Numeric	25	3	
60	rtyp	Related Order Type	Numeric	28	3	
70	rorn	Obsolete	Alphanumeric	31	9	
80	subd	Subsequent Delivery	Numeric	40	3	
90	odat	Create Date	Numeric	43	12	
100	sfty	Ship From Type	Numeric	55	3	

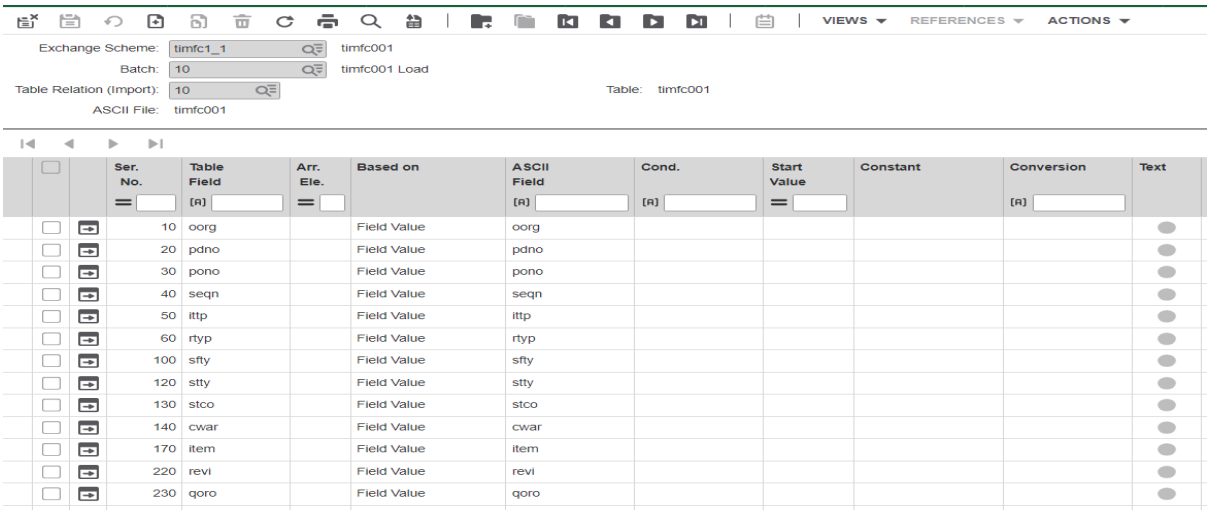
In the Table relations(Import), select all below options-



On the specific tab select below options to keep DAL checks active-

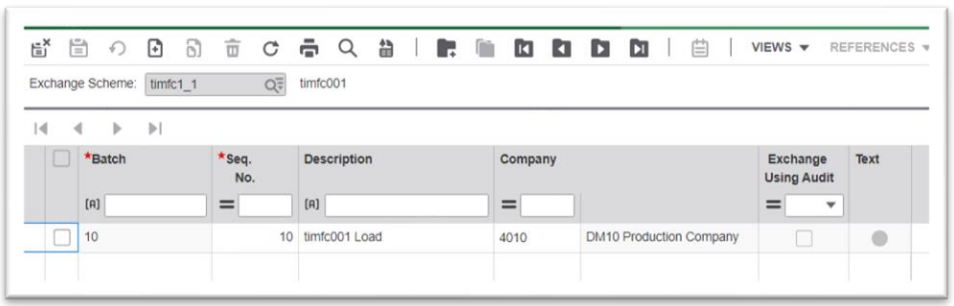


In the field relations(import), keep only below fields and remove other fields, those fields will be filled by DAL at runtime.



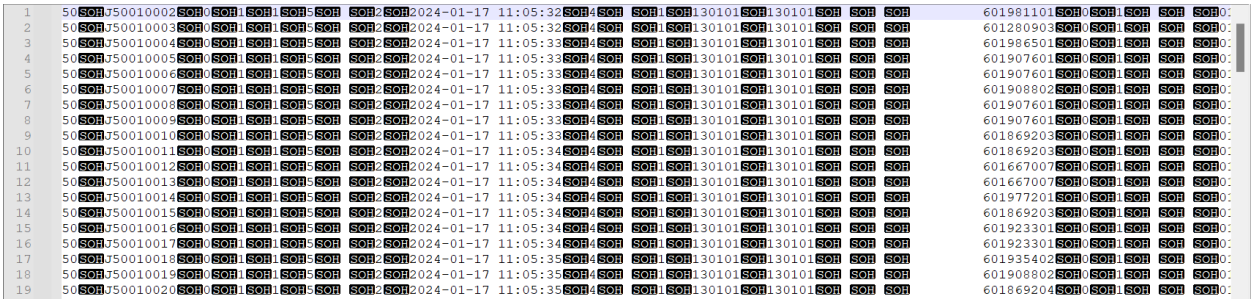
Ser. No.	Table Field	Arr. Ele.	Based on	ASCII Field	Cond.	Start Value	Constant	Conversion	Text
10	oorg		Field Value	oorg					
20	pdno		Field Value	pdno					
30	pono		Field Value	pono					
40	seqn		Field Value	seqn					
50	ittp		Field Value	ittp					
60	rtyp		Field Value	rtyp					
100	sfty		Field Value	sfty					
120	stty		Field Value	stty					
130	stco		Field Value	stco					
140	cwar		Field Value	cwar					
170	item		Field Value	item					
220	revi		Field Value	revi					
230	qoro		Field Value	qoro					

Below is the batch created for exchange scheme-



Sample input file-

Ascii filename- timfc001.da2



***Exchange scheme is available on request.**

Option 2:

Only production orders where no operations are started and with no materials used in the source environment must be considered for migration. The DAL will create the order based on available BOM and routing information. Production order will be created with status planned.

Production order numbers make use of the first free number functionality.

Access Templates for Production Orders are:

•ProductionOrders

LN table	Loading Method	Priority/Sequence
tisfc001	DAL Loader	1

Service

Template	Description	Target LN tables
ServiceOrders	Service Orders	tssoc200
ServiceOrderActivities	Service Order Activities	tssoc210
ServiceOrderCosts	Service Order Material Costs, Service Order Labor Costs, Service Order Other Costs	tssoc220, tssoc230, tssoc240
ServiceContracts	Service Contracts, Contract Changes	tsctm300, tsctm320
ConfigurationLines	Configuration Lines, Fixed Price Terms	tsctm110, tsctm111

Template	Description	Target LN tables
ServiceContractTerms	Coverage Terms, Traveling Terms, Material Terms, Labor Terms, Helpdesk Terms, Other Terms Pre-requisite: ServiceOrders	tsctm120, tsctm130, tsctm131, tsctm132, tsctm135, tsctm136

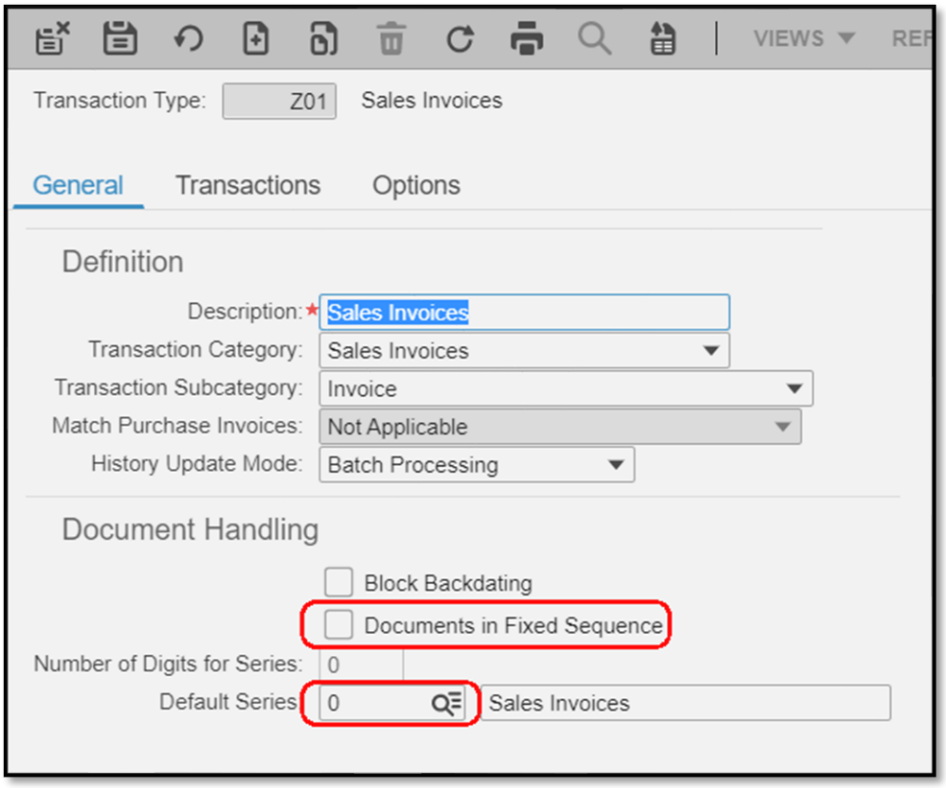
Open Entries Finance

Several actions need to be carried out before open entries for accounts payable/receivable and ledger balances can be migrated. The finance setup end configuration needs to be checked and updated if required. Also, the Access parameters needs to be updated to ensure correct conversion of your open entries.

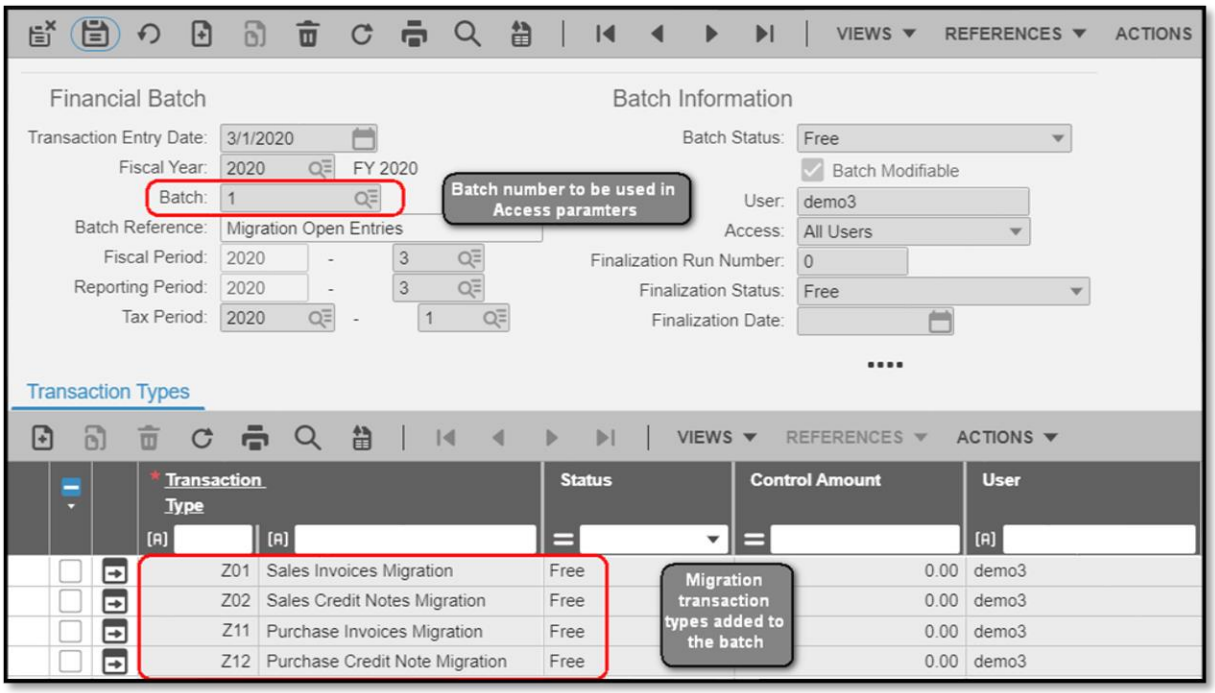
Setup in Infor LN

- Finance setup must be complete (Chart of accounts, GL mappings and currency rates must be available)
- Create separate transaction types for migration purposes. These transaction types must be setup following these rules:
  - Create transaction types (tfgld0511m000) for:
    - Accounts Receivable. One for transaction category “Sales Invoices” and one for “ Sales Credit Notes”
    - Accounts Payable. One for transaction category “Purchase Invoices” and one for “ Purchase Credit Notes”
    - Ledger Balances. Transaction category should be “Opening Balance”
    - Bank transactions. Create one for AP and one for AR. Transaction category should be “Cash” and subcategory “Bank Transaction”.
  - “Documents in Fixed Sequence” needs to be unchecked
  - “Default series” must be set to 0

- "Negative Amounts Allowed" needs to be unchecked



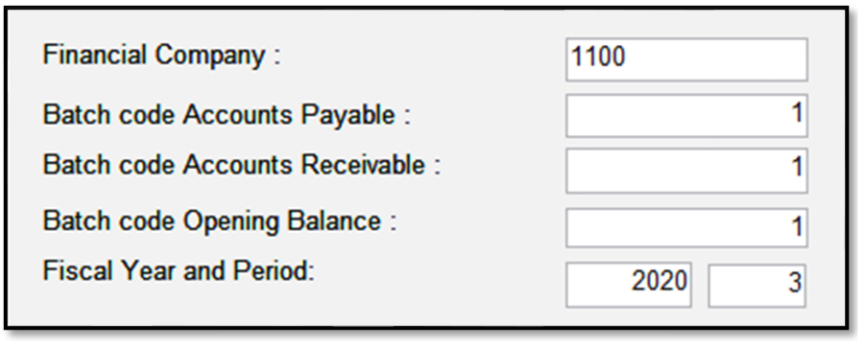
- Before the migration, create a new batch (or multiple batches) with session tfgld1101m000. Add the transaction types to this batch.



- The level of tax calculation will always be on invoice header. Please make sure that the parameters for AP/AR are set accordingly during the data migration in sessions tfacr0500m000 (Invoice Control) and tfacp0500m000 (Tax Details). You might restore these settings after the data migration.

Setup in Access

- In the access database, the amount for credit notes should be negative, the amounts for invoices > 0.0. Ledger balances will be configured with a debit/credit indicator.
- For AP/AR, only one line per invoice can be used. For ledger balances, 1 document per accounting scheme (Statutory/Complementary) is enough, but more different documents are allowed.
- Use the batch number with fiscal year and period that has been created in LN and enter this in the General Parameters of the Access Database.



Migration Logic

Accounts **payable** will use the migration objects tfacp500 and tfgld102. When loading this with DAL, it will create a document (tfgld018), the transaction data (tfacp200 and tfacp500) and a credit record in tfgld102 with the Business Partner control account. Based on parameter settings, other tables might be populated as well. The object tfgld102 needs to be loaded after the tfacp500 and will create a debit record in tfgld102 with the ledger account specified in the data template.

Accounts **receivable** will use the migration objects tfacr200 and tfgld102. When loading this with DAL, it will create a document (tfgld018), the transaction data (tfacr200 and tfacr500) and a debit record in tfgld102 with the Business Partner control account. Based on parameter settings, other tables might be populated as well. The object tfgld102 needs to be loaded after the tfacr200 and will create a credit record in tfgld102 with the ledger account specified in the data template.

When you have both accounts payable and accounts receivable in your Access database, please note that only one tfgld102 file will be created with transactions from both files.

Open entries **bank transactions** will be migrated to the table tfcmg204. The DAL for this table will automatically create records for tfgld018 and tfgld102.

Post conversion

When the migration is completed, the transactions needs to be posted.

Finance

Template	Description	Target LN tables
OpenEntriesAccountsPayable	Open Purchase Invoices and Purchase credit notes not yet paid.	tfacp200, tfacp204, tfacp500, tfgld018, tfgld102

Template	Description	Target LN tables
OpenEntriesAccounts-Receivable	Open Sales invoices and sales credit notes due	tfacr200, tfacr500, tfgld018, tfgld102 * tfacr203
OpenEntriesBankTransactions	Open Advanced payments/receipts and unallocated payments/receipts	tfcmg204, tfgld018, tgld102
OpeningBalances	Opening balances for your ledger accounts	fgld018, tfgld102

* If sales listing parameter is enabled

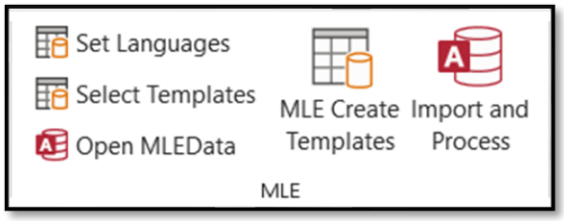
Migration Guidelines

When you need to re-migrate the open entries, you first need to delete the documents from the system. If you use the Infor LN sessions to do this, take note that the document in the table tfgld018 will not be deleted. You must delete the selected range of documents in this table as well before you can do a remigration of your open entries.

Chapter 5 Migration with MLE

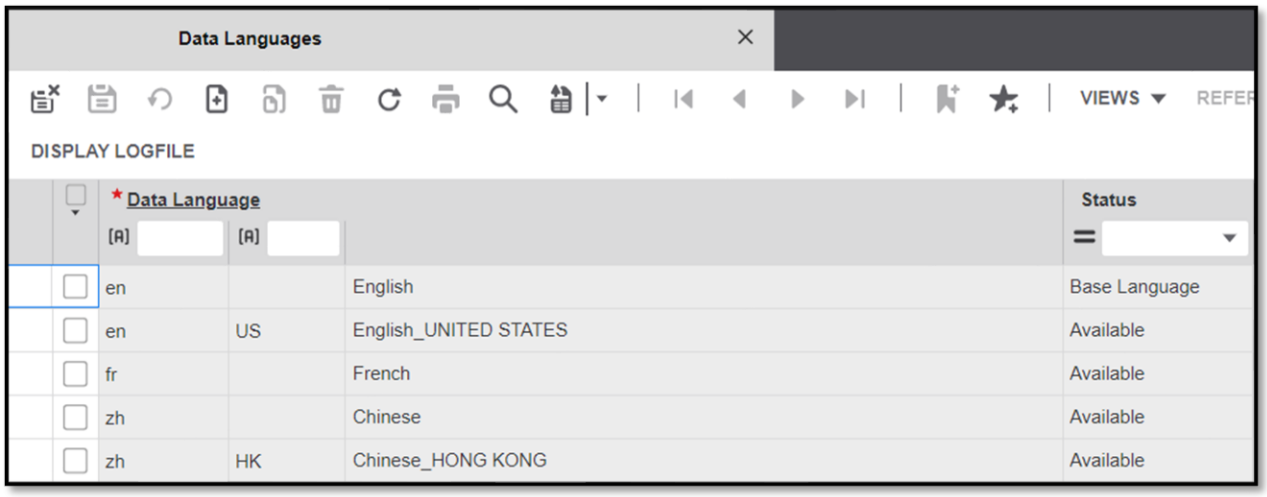
This chapter will describe how to use A2LN in combination with MLE fields. When you have MLE enabled in Infor LN CE and you are planning to migrate a table with 1 or more MLE enabled field(s), you must follow the procedure as described below.

In the A2LN Access Database there are several buttons available that can be used to populate the required MLE data.

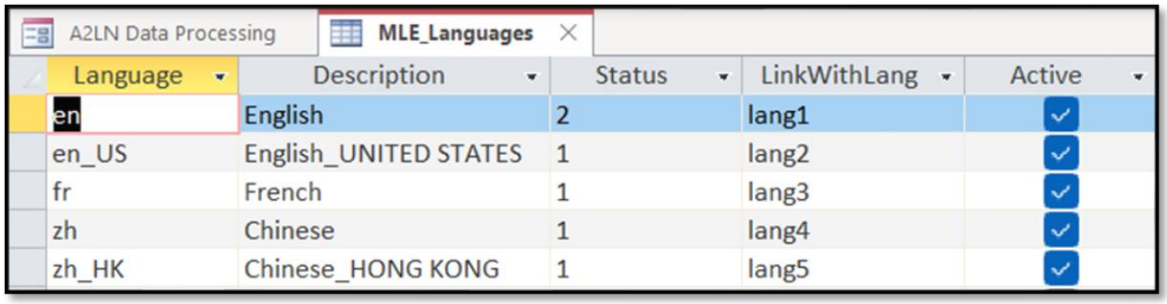


Set Languages

The data languages that are required are setup in Infor LN. These languages need to be copied to the A2LN Access database as a first step. You can find this on your customer system using session ttaad1111m000 (Infor LN menu: Tools/Application Configuration/Multi Data Language/Data Languages).



This information should be inserted into the access table using the button “Set Language”.



Language	Description	Status	LinkWithLang	Active
en	English	2	lang1	☑
en_US	English_UNITED STATES	1	lang2	☑
fr	French	1	lang3	☑
zh	Chinese	1	lang4	☑
zh_HK	Chinese_HONG KONG	1	lang5	☑

Language: Use exact notions from Infor LN. Use the underscore if it is a country specific code (see screenshot)

Description: Copy from the Infor LN session

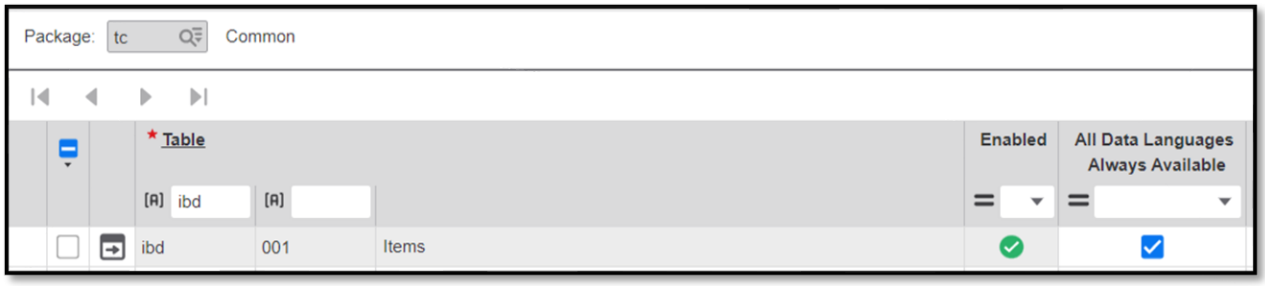
Status: 2 = Base language, 1 = Available

LinkWithLang: populate with the word “lang” and a number up to 10. This link is needed for the translation file.

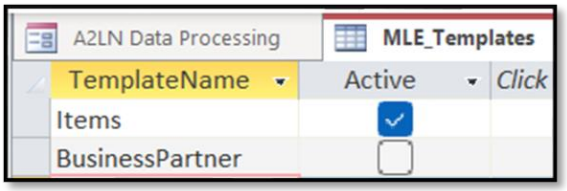
Active: to indicate if a language is active in Infor LN.

Select Templates

The next step is to identify which A2LN templates contains fields that are MLE. In Infor LN, you can open the session ttadv4137m000 to lookup the LN tables and fields (Infor LN menu: Tools/Application Configuration/Multi Data Language/Registered Tables with Multi Language Fields).



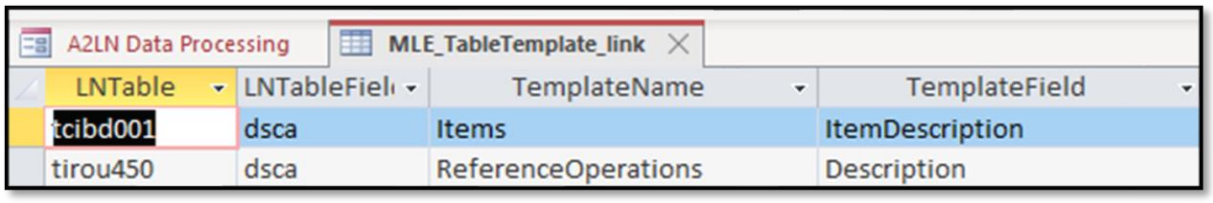
You need to find the corresponding A2LN table and enter this using the button “Select Templates”. Use the Active button if you are planning to use the table for data migration.



TemplateName	Active	Click
Items	☑	
BusinessPartner	☐	

Create Template link file

Populate the template link file in Access to map the Infor LN table field with the Access table field. See examples below:



The following steps is only required for the A2LN_CE202210 version:

- Run the “Export Templates” function to export this Access table.
- You can maintain the file if needed.
- Use the button “MLE create Templates” and select the file you just created. This will do the following:
  - MLE_TableTemplate_link will be deleted first
  - Create 2 subdirectories in your folder: Exported and FromCustomer
  - In the exported folder new files have been created. For this example, it would have created the files Items_MLEByTemplate.xlsx and ReferenceOperations_MLEByTemplate.xlsx.
  - MLE_TableTemplate_link will be populated with data from the excel file.

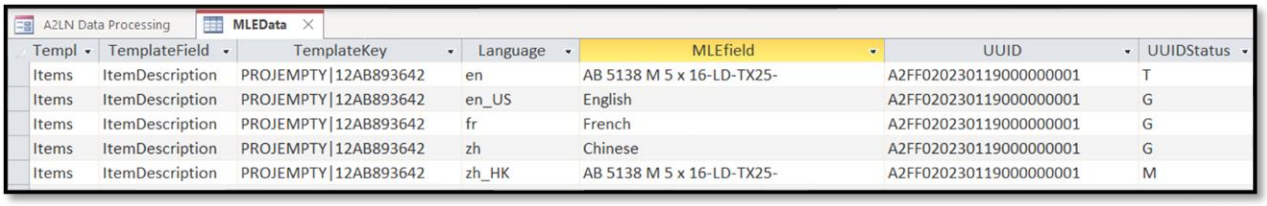
These files contain all the records from the Access table, including the description for the first language. These files need to be sent to the customer for translation. The customer can populate the other language fields with the correct translation. This is optional and not needed if no translation is required. If these fields are left empty, it falls back on the base language during migration.

Once the files are completed by the customer, they need to be copied to the folder “FromCustomer”.

Import and Process

Use the button “Import and Process” to import the customer translation into Access. You need to select the main directory and the script will pick up automatically the files that are present in the “FromCustomer” folder.

When the import is finished, you can view the imported data using the button “Open MLE data”



Templ	TemplateField	TemplateKey	Language	MLEfield	UUID	UUIDStatus
Items	ItemDescription	PROJEMPTY|12AB893642	en	AB 5138 M 5 x 16-LD-TX25-	A2FF020230119000000001	T
Items	ItemDescription	PROJEMPTY|12AB893642	en_US	English	A2FF020230119000000001	G
Items	ItemDescription	PROJEMPTY|12AB893642	fr	French	A2FF020230119000000001	G
Items	ItemDescription	PROJEMPTY|12AB893642	zh	Chinese	A2FF020230119000000001	G
Items	ItemDescription	PROJEMPTY|12AB893642	zh_HK	AB 5138 M 5 x 16-LD-TX25-	A2FF020230119000000001	M

In this view you can see all translations that were generated. Here a short explanation of the fields:

- Template & TemplateField. Access table and field name for MLE field.
- TemplateKey. Primary key in Access table. If multiple fields are part of the primary key, they will be separated with a pipeline (“|”).
- Language. Language as defined in Infor LN
- MLEfield. Value for Access field in the LN language
- UUID. Id that will uniquely identify the MLE definition for the specific field. This is generated by Access and should not be modified.
- UUIDStatus. This field will indicate the source of the translation:
    - T – Template. Data coming from the original description of the access table
    - G – Generated. Coming from the translation defined by the customer.
    - M – Missing. Field left empty in template. Description is derived from the base language.

Appendix A Import LN Master Data

This appendix will describe how to import LN Master data using text files.

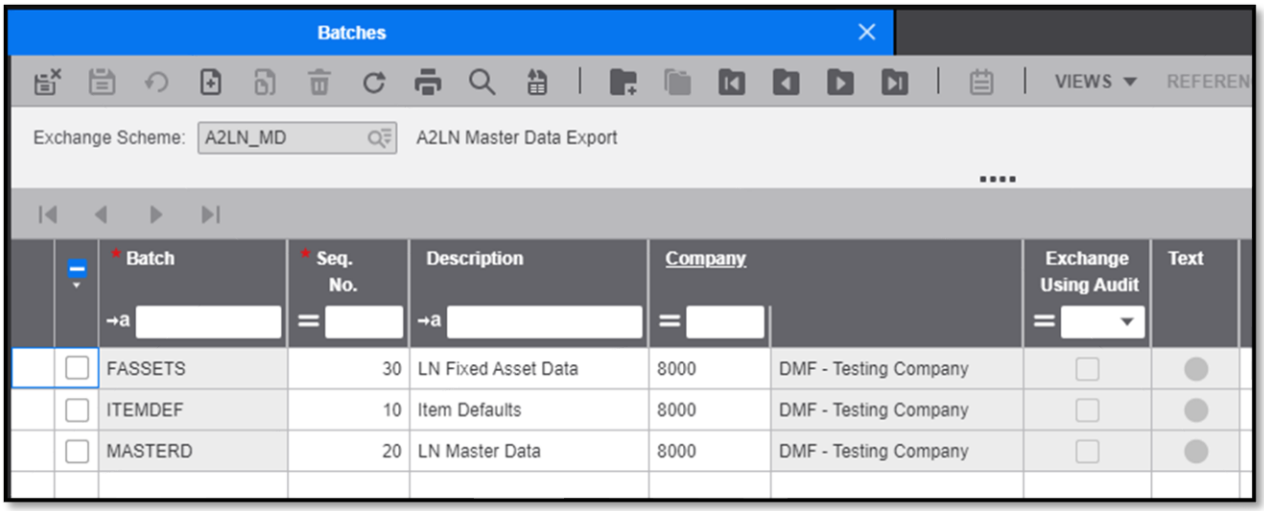
For some functional areas it is required to have the LN master data present in the Access database. Currently item defaults, fixed assets and warehouse item data might need these LN tables in the mapping to functional correct ASCII files.

In a nutshell the procedure is as follows:

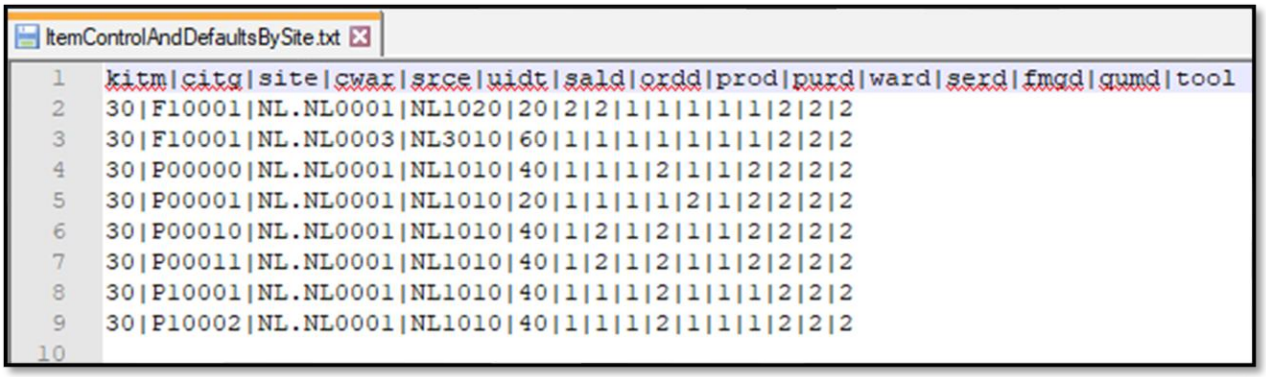
- Export LN Master data using exchange.
- Copy these files to the environment where the access database is located.
- Use the ribbon “Import Tables”. This program will convert the files generated with exchange to excel (xlsx) files automatically and will then import these files.

There is an exchange scheme available* that will be able to export a pre-defined set of files from Infor LN. This will be by default pipeline (“|”) separated files with the extension “txt”. You can change the delimiter if that is required. The exported files will have a header with the field names as defined in the Access template. The name of the file will equal the name of the Access template.

Exchange scheme with 3 batches:



Example of generated ASCII file:


ItemControlAndDefaultsBySite.txt

```
kitm|citg|site|cwar|srce|uidt|sald|ordd|prod|purd|ward|serd|fmgd|qumd|tool
30|F10001|NL.NL0001|NL1020|20|2|2|1|1|1|1|1|2|2|2
30|F10001|NL.NL0003|NL3010|60|1|1|1|1|1|1|1|2|2|2
30|P00000|NL.NL0001|NL1010|40|1|1|1|2|1|1|2|2|2|2
30|P00001|NL.NL0001|NL1010|20|1|1|1|1|2|1|2|2|2|2
30|P00010|NL.NL0001|NL1010|40|1|2|1|2|1|1|2|2|2|2
30|P00011|NL.NL0001|NL1010|40|1|2|1|2|1|1|2|2|2|2
30|P10001|NL.NL0001|NL1010|40|1|1|1|2|1|1|1|2|2|2
30|P10002|NL.NL0001|NL1010|40|1|1|1|2|1|1|1|2|2|2
```

If you want to create these text files by yourself, the following points are important:

- The header line should contain the exact mnemonics as the corresponding Access template.
- The file extension should always be txt.
- The file name should correspond to the Access template name.
- You can choose you own separator. Make sure to set this also in the A2LN Parameters session.

Once these files are ready, they need to be placed in a directory from where they can be imported in Access.

The last step is to use the “Import Tables” ribbon. It will ask you for an import directory. After providing this path, the program will scan the folder (and subfolders) for files with extension “.txt”. These files will be converted from text files to excel files, using the separator specified in the General Parameters.
Once this is done, the import program will scan the directory for “.xlsx” files to be imported in the A2LN access database.

* Exchange scheme available on request. Please contact the DMF team.