



# Infor CloudSuite Industrial and Business Infor Fourth Shift Migration Example

CloudSuite Industrial and Business 9.00.30

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## About this guide

This document provides an example migration sequence to follow when you migrate Infor Fourth Shift data to Infor CloudSuite Industrial or Business. Not all data needed in Infor CloudSuite can be migrated from Fourth Shift, so there will be a mix of migrated tables and Infor CloudSuite input. Use the steps in this document to load the data into Infor CloudSuite in a logical manner so that data dependencies are honored.

See “Performing the Data Transfer” in the online help for full instructions on how to use the Import Data Transfer form.

See the Infor CloudSuite help for more information about the use of any form.

# About the Fourth Shift migration

This sample migration process applies to Infor Fourth Shift version 9.00.00 and Infor CloudSuite version 9.00.30. The migration is not intended to bring all data from Fourth Shift into Infor CloudSuite; it migrates only data that is pertinent to continue business operations in Infor CloudSuite.

# Preparing for the migration

## Preparing the SQL database

Ensure that the SQL Server database recovery model is set to Simple to avoid encountering the “Log Backup Full” error. When this error is encountered, users are not be able to log into the system, and testing activities are blocked.

## Preparing Fourth Shift data before the migration

In Fourth Shift, you must perform steps to complete and post all transactions before the migration, to ensure that Infor CloudSuite has the most up-to-date information and that no transactions are missed:

- 1 For all import sequences where Rule 4 is applied, set up the charfld1 columns and the Mask Character in the **Import Rule Definition** form.
  - a Column **charfld1** is used to define the chart fields which could be “Account”, “Unit Code 1”, “Unit Code 2”, “Unit Code 3”, and “Unit Code 4”.
  - b **Mask Character** is the partial value of the original mask which is defined in Fourth Shift. Use this field to set up the mapping between Fourth Shift’s account fields and Infor CloudSuite’s. Therefore, rule 4 will use this mapping to split the original value into Infor CloudSuite’s Account, Unit Code 1, Unit Code 2, Unit Code 3 and Unit Code 4.
- 2 FS\_TaxCode

Before migration, ensure that tax codes are unique in the source database. If there are duplicates, user should decide whether duplicates will be deleted or updated to become unique records.
- 3 FS\_BankData

Ensure that country values are already available in Infor CloudSuite, especially those that are referenced by bank address records.
- 4 FS\_InventoryLocation

Before migration, ensure that bins are unique in the source database. If there are duplicates, decide whether duplicates should be deleted or updated to become unique records.
- 5 FS\_CoHeader

Before migration, ensure that all UM conversions from the source database exist in Infor CloudSuite. Add the non-existing UM conversions.

## Setting the Order Entry Parameters

Setting the order entry parameters should be run in a single user mode. All other users should be logged out of the system.

On the Infor CloudSuite **Order Entry Parameters** form, set these parameters:

- Invoice Length = 12
- Estimate Prefix = E
- DO/BOL Prefix = DO

After the parameters are set, all users should log out from the application. Use the Configuration Manager utility (on the utility server) to publish form changes. This clears the form caches to apply the new prefixes and invoice length. These parameters should take effect when user logs back into the application.

## Setting Import Parameters

Specify the appropriate connection parameters in the **Import Parameters** form. Ensure that the **Vendor required on Purchase Orders** check box is selected. The rest of the check boxes are cleared.

## Modifying Import Steps

A default set of mappings between Fourth Shift tables and Infor CloudSuite Industrial tables is provided, with the appropriate sequences defined. These settings are shown in the **Import Steps** form. If necessary, changes can be made to the default mappings:

- If only a subset of data from the Fourth Shift database table needs to be migrated into Infor CloudSuite, specify a SQL WHERE clause in the **Source Filter** field.
- Order of processing of the import sequences can be changed depending on the order of loading pre-requisites and other dependencies.
- If existing values from the source columns need to be replaced with default values or other Infor CloudSuite valid values, you can set up rules in the **Import Table Column Rule Definition** form.

For more information, see *Defining Table Mappings*.





## List of tables and sequences

These are the tables that can be migrated with the sequences. All of the sequences, as well as any interim steps, are described in detail in the rest of this section.

<b>Sequence</b>	<b>Source Fourth Shift Table</b>	<b>Target Infor CloudSuite Table</b>
10	FS_PasswordConfig	PasswordParameters
20	FS_SystemConfig	parms
30	FS_CurrencyCode	currency
40	FS_CurrencyExchangeRate	curate
50	FS_GLAccountGroup	chart
60	FS_GLMasterAccount	chart
70	FS_GLMasterAccount	unitcd1
80	FS_GLMasterAccount	unitcd2
90	FS_GLMasterAccount	unitcd3
100	FS_GLMasterAccount	unitcd4
110	FS_TaxCode	taxcode
120	FS_Bank	bank_hdr
130	FS_BankData	bank_hdr
140	FS_BankData	bank_addr
150	FS_InventoryLocation	whse
160	FS_InventoryLocation	location
170	FS_ProductLine	prodcode
180	FS_ProductLine	prodvar
190	FS_Item	item
200	FS_ItemPrice	itemprice
210	FS_LotTrace	lot

Sequence	Source Fourth Shift Table	Target Infor CloudSuite Table
220	FS_NonInventoryItemSupply	non_inventory_item
230	FS_CommissionCode	commtab
240	FS_Customer	customer
250	FS_Customer	custaddr
260	FS_Vendor	vendor
270	FS_Vendor	vendaddr
280	FS_ItemInventory	tmp_import_inventory
290	FS_COHeader	co
300	FS_COLine	coitem
310	FS_ARAgingConfig	arparms
320	FS_ARConfig	arparms
330	FS_ARInvoiceHeader	arinv
340	FS_ARInvoiceLine	arinvd
350	FS_ARInvoiceTax	arinvd
360	FS_CustomerItem	itemcust
370	FS_CustomerItemPrice	itemcustprice
380	FS_POHeader	po
390	FS_POLine	po
400	FS_POLine	poitem
410	FS_APConfig	apparms
420	FS_APIInvoiceHeader	aptrx
430	FS_APIInvoiceLine	aptrxd
440	FS_APIInvoicePayment	appmt
450	FS_VendorItem	itemvend
460	FS_POContract	itemvend
470	FS_POContractItemPrice	itemvendprice
480	FS_BillOfMaterial	jobroute
490	FS_BillOfMaterial	jobmatl
500	FS_MOLine	job
510	FS_Forecast	forecast

List of tables and sequences

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<b>Sequence</b>	<b>Source Fourth Shift Table</b>	<b>Target Infor CloudSuite Table</b>
520	FS_Demand	tmp_import_jobmalttran
530	FS_Demand	tmp_import_joblabortran
540	FS_GLMasterAccount	journal

# Steps to perform the migration

Use these instructions to run the sequences and the interim steps to complete the migration.

## Password configuration

To migrate the password configuration from the FS\_PasswordConfig table, for use on the **Password Parameters** form, use the **Import Data Transfer** form. Specify **10** for the Starting and Ending Sequence values.

## System configuration

To migrate the system configuration from the FS\_SystemConfig table, for use on the **General Parameters** form, use the **Import Data Transfer** form. Specify **20** for the Starting and Ending Sequence values.

## Currency codes

To migrate the currency codes from the FS\_CurrencyCode table, for use on the **Currency Codes** form, use the **Import Data Transfer** form. Specify **30** for the Starting and Ending Sequence values.

## Currency exchange rates

To migrate the currency exchange rates from the FS\_CurrencyExchangeRate table, for use on the **Currency Rates** form, use the **Import Data Transfer** form. Specify **50** for the Starting and Ending Sequence values.

## Chart of Accounts

To migrate the Chart of Accounts from the FS\_GLMasterAccount table, for use on the **Chart of Accounts** form, use the **Import Data Transfer** form. Specify **60** for the Starting and Ending Sequence values.

## Unit Code 1

To migrate unit code 1 from the FS\_GLMasterAccount table, for use on the **General Ledger Transaction Report** form, use the **Import Data Transfer** form. Specify **70** for the Starting and Ending Sequence values.

## Unit Code 2

To migrate unit code 2 from the FS\_GLMasterAccount table, for use on the **General Ledger Transaction Report** form, use the **Import Data Transfer** form. Specify **80** for the Starting and Ending Sequence values.

## Unit Code 3

To migrate unit code 3 from the FS\_GLMasterAccount table, for use on the **General Ledger Transaction Report** form, use the **Import Data Transfer** form. Specify **90** for the Starting and Ending Sequence values.

## Unit Code 4

To migrate unit code 4 from the FS\_GLMasterAccount table, for use on the **General Ledger Transaction Report** form, use the **Import Data Transfer** form. Specify **100** for the Starting and Ending Sequence values.

## Tax Codes

To migrate tax codes from the FS\_TaxCode table, for use on the **Tax Codes** form, use the **Import Data Transfer** form. Specify **110** for the Starting and Ending Sequence values.

## Bank headers

To migrate bank headers from the FS\_Bank table, for use on the **Bank Reconciliations** form, use the **Import Data Transfer** form. Specify **120** for the Starting and Ending Sequence values.

## Bank accounts

To migrate bank accounts from the FS\_BankData table, for use on the **Bank Reconciliations** form, use the **Import Data Transfer** form. Specify **130** for the Starting and Ending Sequence values.

## Bank addresses

To migrate bank addresses from the FS\_BankData table, for use on the **Bank Addresses** form, use the **Import Data Transfer** form. Specify **140** for the Starting and Ending Sequence values.

## Warehouses

To migrate warehouses from the FS\_InventoryLocation table, for use on the **Warehouses** form, use the **Import Data Transfer** form. Specify **150** for the Starting and Ending Sequence values.

## Locations

To migrate locations from the FS\_InventoryLocation table, for use on the **Locations** form, use the **Import Data Transfer** form. Specify **160** for the Starting and Ending Sequence values.

## Product codes

To migrate product codes from the FS\_ProductLine table, for use on the **Product Code** form, use the **Import Data Transfer** form. Specify **170** for the Starting and Ending Sequence values.

## Product codes

To migrate product codes from the FS\_ProductLine table, for use on the **Product Codes** form, use the **Import Data Transfer** form. Specify **180** for the Starting and Ending Sequence values.

## Items

To migrate items from the FS\_Item table, for use on the **Items** form, use the **Import Data Transfer** form. Specify **190** for the Starting and Ending Sequence values.

**Note:** Before running the preliminary data transfer, ensure that no records exist a lot size quantity of zero. If any do exist, Infor CloudSuite will automatically change the record to one.

## Item price

To migrate item price from the FS\_ItemPrice table, for use on the **Item Pricing** form, use the **Import Data Transfer** form. Specify **200** for the Starting and Ending Sequence values.

## Lots

To migrate lots from the FS\_LotTrace table, for use on the **Lots** form, use the **Import Data Transfer** form. Specify **210** for the Starting and Ending Sequence values.

## Non-inventory items

To migrate non-inventory items from the FS\_NonInventoryItemSupply table, for use on the **Non-Inventory Items** form, use the **Import Data Transfer** form. Specify **220** for the Starting and Ending Sequence values.

## Commission codes

To migrate commission codes from the FS\_CommissionCode table, for use on the **Commission Table Maintenance** form, use the **Import Data Transfer** form. Specify **230** for the Starting and Ending Sequence values.

**Note:** Before running the preliminary data transfer, specify the correct product code.

## Customers

To migrate customers from the FS\_Customer table, for use on the **Customers** form, use the **Import Data Transfer** form. Specify **240** for the Starting and Ending Sequence values.



## Customer addresses

To migrate customer addresses from the FS\_Customer table, for use on the **Ship To** tab of the **Customers** form, use the **Import Data Transfer** form. Specify **250** for the Starting and Ending Sequence values.

## Vendors

To migrate vendors from the FS\_Vendor table, for use on the **Vendors** form, use the **Import Data Transfer** form. Specify **260** for the Starting and Ending Sequence values.

## Vendor addresses

To migrate vendor addresses from the FS\_Vendor table, for use on the **Vendors** form, use the **Import Data Transfer** form. Specify **270** for the Starting and Ending Sequence values.

## Item inventory

To migrate item inventory from the FS\_ItemInventory table, for use on the **Import Inventory Balances** form, use the **Import Data Transfer** form. Specify **280** for the Starting and Ending Sequence values.

**Note:** Before running the preliminary data transfer, ensure that all records have a valid “Bin” and a Lot Number equal to or greater than one. Upon preliminary success, provide a serial number for all items that are serial-tracked. Manually add an item warehouse for all item and warehouse combinations.

## Customer orders

To migrate customer orders from the FS\_COHeader table, for use on the **Customer Orders** form, use the **Import Data Transfer** form. Specify **290** for the Starting and Ending Sequence values.

## Customer order lines

To migrate customer order lines from the FS\_COLine table, for use on the **Customer Order Lines** form, use the **Import Data Transfer** form. Specify **300** for the Starting and Ending Sequence values.

## Accounts receivable aging configuration

To migrate the accounts receivable aging configuration from the FS\_ARAgingConfig table, for use on the **Accounts Receivable Parameters** form, use the **Import Data Transfer** form. Specify **310** for the Starting and Ending Sequence values.

## Accounts receivable configuration

To migrate the accounts receivable configuration from the FS\_ARConfig table, for use on the **Accounts Receivable Parameters** form, use the **Import Data Transfer** form. Specify **320** for the Starting and Ending Sequence values.

## Accounts receivable invoices

To migrate the A/R invoices from the FS\_ARInvoiceHeader table, for use on the **Invoices, Debit and Credit Memos** form, use the **Import Data Transfer** form. Specify **330** for the Starting and Ending Sequence values.

**Note:** Before running the preliminary data transfer:

- 1 Set the **Invoice Length** to **12** on the **Order Entry Parameters** form. Ensure that all users have logged out of Infor CloudSuite first.
- 2 Ensure that all customers have an **End User Type** equal to or greater than one.
- 3 Ensure that the records have a valid inventory number.

## Accounts receivable invoice lines

To migrate the A/R invoice lines from the FS\_ARInvoiceLine table, for use on the **Invoices, Debit and Credit Memos G/L Distribution** form, use the **Import Data Transfer** form. Specify **340** for the Starting and Ending Sequence values.

## Accounts receivable invoice taxes

To migrate A/R invoice taxes from the FS\_ARInvoiceTax table, for use on the **Invoices, Debit and Credit Memos G/L Distribution** form, use the **Import Data Transfer** form. Specify **350** for the Starting and Ending Sequence values.

## Customer contracts

To migrate customer contracts from the FS\_CustomerItem table, for use on the **Customer Contracts** form, use the **Import Data Transfer** form. Specify **360** for the Starting and Ending Sequence values.

## Customer contract prices

To migrate customer contract prices from the FS\_CustomerItemPrice table, for use on the **Customer Contract Prices** form, use the **Import Data Transfer** form. Specify **370** for the Starting and Ending Sequence values.

## Purchase orders

To migrate purchase orders from the FS\_POHeader table, for use on the **Purchase Orders** form, use the **Import Data Transfer** form. Specify **380** for the Starting and Ending Sequence values.

**Note:** Upon preliminary success, set a value for the **Terms Code**.

## Purchase order blanket lines

To migrate purchase order blanket lines from the FS\_POLine table, for use on the **Purchase Order Blanket Lines** form, use the **Import Data Transfer** form. Specify **390** for the Starting and Ending Sequence values.

## Purchase order lines (regular)

To migrate regular purchase order lines from the FS\_POLine table, for use on the **Purchase Order Lines** form, use the **Import Data Transfer** form. Specify **400** for the Starting and Ending Sequence values.

## Accounts payable configuration

To migrate the accounts payable configuration from the FS\_APConfig table, for use on the **Accounts Payable Parameters** form, use the **Import Data Transfer** form. Specify **410** for the Starting and Ending Sequence values.

**Note:** Upon final success, manually specify values for the required fields with no mapping on the **Accounts Payable Parameters** form.

## Accounts payable invoices

To migrate accounts payable invoices from the FS\_APIInvoiceHeader table, for use on the **A/P Vouchers and Adjustments** form, use the **Import Data Transfer** form. Specify **420** for the Starting and Ending Sequence values.

**Note:** Upon preliminary success, populate the **PO** field with a valid value, and delete or update records with a negative purchase amount.

## Accounts payable invoice lines

To migrate the A/P invoice lines from the FS\_APIInvoiceLine table, for use on the **Voucher Adjustment Distribution** form, use the **Import Data Transfer** form. Specify **430** for the Starting and Ending Sequence values.

## Accounts payable invoice payments

To migrate the A/P invoice payments from the FS\_APIInvoicePayment table, for use on the **A/P Payments** form, use the **Import Data Transfer** form. Specify **440** for the Starting and Ending Sequence values.

## Vendor contracts

To migrate vendor contracts from the FS\_VendorItem table, for use on the **Vendor Contracts** form, use the **Import Data Transfer** form. Specify **450** for the Starting and Ending Sequence values.

**Note:** Upon preliminary success, there are duplicate item and vend\_num combinations. The combinations have different vend\_items. Decide which records to keep.

## Vendor contracts

To migrate vendor contracts from the FS\_POContract table, for use on the **Vendor Contracts** form, use the **Import Data Transfer** form. Specify **460** for the Starting and Ending Sequence values.

**Note:** Upon preliminary success, there are duplicate item and vend\_num combinations. The combinations have different vend\_items. Decide which records to keep.

## Vendor contract prices

To migrate vendor contract prices from the FS\_POContractItemPrice table, for use on the **Vendor Contract Prices** form, use the **Import Data Transfer** form. Specify **470** for the Starting and Ending Sequence values.

## Bill of Materials

To migrate bill of materials from the FS\_BillofMaterial table, for use on the **Current Operations** form, use the **Import Data Transfer** form. Specify **480** for the Starting and Ending Sequence values.

**Note:** Upon preliminary success:

- 1 Verify FSDept and all other departments found in the TargetDL are automatically created in the **Departments** form.
- 2 Verify FSWC and all other work centers found in the TargetDL are automatically created in the **Work Centers** form.
- 3 Verify that the **Department** field on the **Work Centers** form has a value for all records (from the **Departments** form).

## Bill of Materials

To migrate bill of materials from the FS\_BillofMaterial table, for use on the **Current Materials** form, use the **Import Data Transfer** form. Specify **490** for the Starting and Ending Sequence values.

**Note:** When the final data processing status is Final Failed due to missing UM conversions, add them in the **Unit of Measure Conversions** form.

## Jobs

To migrate jobs from the FS\_MOLine table, for use on the **Job Orders** form, use the **Import Data Transfer** form. Specify **500** for the Starting and Ending Sequence values.

**Note:** Before running the preliminary data transfer:

- 1 Verify FSDept and all other departments found in the TargetDL are automatically created in the **Departments** form after the preliminary success.
- 2 Verify FSWC and all other work centers found in the TargetDL are automatically created in the **Work Centers** forms.
- 3 Verify that the **Department** field on the **Work Centers** form has a value for all records (from the **Departments** form).

## Forecasts

To migrate forecasts from the FS\_Forecast table, for use on the **Forecast** form, use the **Import Data Transfer** form. Specify **510** for the Starting and Ending Sequence values.

## Demand

To migrate demand from the FS\_Demand table, for use on the **Import Job Material Transactions** form, use the **Import Data Transfer** form. Specify **520** for the Starting and Ending Sequence values.

## Demand

To migrate demand from the FS\_Demand table, for use on the **Job Transactions** form, use the **Import Data Transfer** form. Specify **530** for the Starting and Ending Sequence values.

## Journal entries

To migrate journal entries from the FS\_GLMasterAccount table, for use on the **Journal Entries** form, use the **Import Data Transfer** form. Specify **540** for the Starting and Ending Sequence values.