



GCON4 MFL

Reference Manual

GCON4 MFL is an indispensable Unit4 ERP tool, designed to streamline and significantly reduce time to migrate and manage data of Unit4 ERP.

Document	User Manual
Version	6.0.3.22040
Date	April 2022
Author	MFL Support

This document contains information proprietary to and considered a trade secret of GCON4 Limited. It is expressly agreed that it shall not be reproduced in whole or in part, disclosed, divulged, or otherwise made available to any third party either directly or indirectly. Any reproduction of this documentation for any purposes is prohibited without the prior express written authorization of GCON4 Limited.

Copyright © GCON4 2021. All rights reserved



Document specifications

Version control

Version	Date	Author(s)	Description
6.0.3.22040	April 2022	GCON4 Support	Product version 6.0.3
6.0.2.22020	February 2022	GCON4 Support	Product version 6.0.2
6.0.0.21080	August 2021	GCON4 Support	Product version 6.0.0

Related documents

Document	Version	Description
Installation guide	6.0.3	Current version
Release Notes	6.0.3	Release notes for product version 6.0.3



Table of Contents

- Document specifications 2**
- Version control 2
 - Related documents..... 2
- Introduction 5**
- What’s new? 5
- Functional Overview 6
- Technical introduction 10
- Installing GCON4 MFL 11**
- Latest version..... 11
- Configuration 12
 - Parameters 13
 - Data Validation 18
- Using GCON4 MFL..... 19**
- Running GCON4 MFL.exe 19
 - Buttons 20
- Generating the Excel Template 21
 - Sections..... 21
 - Masterfile Tabs 22
 - Options 26
- The Excel File 28
 - Color based Automatic Recognition of Attribute values 31
 - Multilanguage in Attribute values text 32
 - Creating field selection templates..... 34
- Generating CSV templates..... 35
 - Uploading CSV files 39
- Generating a PDF 41
- Retrieving data from Unit4 ERP 43



Filter on Relation values	54
Uploading the Excel template	55
Autonumbering.....	58
Autonumbering and document archive	62
Access to a Specific Masterfile	67
Posting Transactions.....	70
Skip Account Rule validation	73
Running GCON4 MFL using the Scope function	77
Company Links compatibility	79
Running MFL from different sources	80
Run GCON4 MFL from IntellAgent.....	80
Automatic upload interface using a .csv file	83
Running GCON4 MFL using command line.....	87
Running GCON4 MFL04 Server process using multi-company function.....	88
Steps:	88
Troubleshooting	92
Appendix.....	93
Project Masterfile	93
Attribute Masterfile.....	94
Product Masterfile.....	94
Address field in the Address Tab (all Masterfiles).....	95
Rates	97



Introduction

What's new?

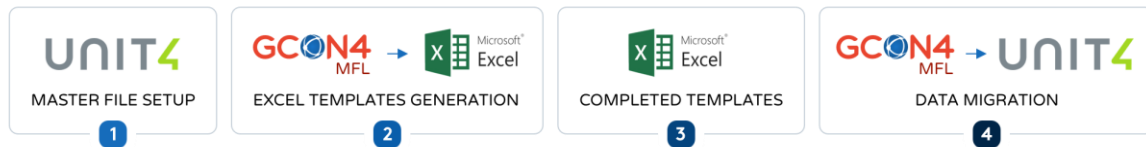
Fixed bugs and enhancements can be reviewed in the Release notes.

Functional Overview

GCON4 Master File Loader (GCON4 MFL version 6.0.3) allow us to retrieve/update/insert master file attribute values (in multi-language), together with their relations, flexi-fields and document archive using web services.

Masterfile				
Attribute values (multi-language)	Relations	Standard information	Flexi-fields	Document Archive

GCON4 MFL automatically creates the Excel templates to be uploaded to Unit4 Business Workplace (UNIT4ERP), which are based on UNIT4ERP master file configuration, considering the relations, flexi-fields, and document type that each master file contains.



Currently, GCON4 MFL 6.0.3 can be used for the following master files for ABW Milestone 5, UBW Milestone 6 and Unit4 ERP Milestone 7:

GCON4 MFL 6.0.3 can be also used to process the following procedures through the corresponding master files detailed above:

Masterfiles		
Account	Personnel	Rate Value Reference
Applicant	Personnel Cost Distribution	Requisitions
Assets	Personnel Employment	Roles
Attribute Value	Personnel Work Schedule	Sales order
Balance	Position	Stock Entry
Balance Value Reference	Position/Role association	Stock Withdrawal
Course	Position Code	Supplier
Course Event	Posting GL	Supplier Groups



Customer	Posting AP	Supplier Payment Recipients
Customer Groups	Posting AR	Training Need
Customer Payment Recipients	Product	Transaction Document Archive
Exchange Rate	Product/Purchase price association	Users
Goods received	Projects	Work Orders
Payment and Deduction	Purchase order	Work Schedule
Payment Dispatch	Purchase order Amendment	
Pay Scale	Rate	

Procedures
Position/Role association
Resource/Supplier association
Resource/Next of kin association
User/Resource association
User/Role association
User/Resource association
User/Client association
User defined attribute

Additionally, through the master file “Attributes” that correspond to “Attribute values”, the following values can be treated:

Description	Att Desc	Att ID	Module
Relation group	RELGRP	GM	CR
Currency types	EXCHTYPE	AZ	CR
Posting groups	POSTGRP	AB	CR
Journal ID	REPJOURN	K0	GL
Portfolio status	PORTSTAP	I3	AP-AR
Complain codes	COMPLAIN	AM	AP-AR
Text types for invoice description	TEXTTYPE	G0	AP-AR
Payment status	PAYSTAT	GP	AR
Collection agency	COLLAGENT	GH	AR
Invoice history status codes	FASTAT	AA	AP-AR

Portfolio status	PORTSTAT	G3	AR
Cheque status	CHQSTAT	GB	AR
Depreciation books	DEPRBOOK	G11	AT
Posting types	POSTTYPE	G12	AT
Accountants	ACCNO	G1	CA
Transaction type	ZTYPE	I0	CA
Contract groups	CON.GRP	A9	CN
Contr. Type	CON.TYPE	A8	CN
Units	UNITCODE	AU	CN
Budget proposal	BUDPROP	GC	BU
Budget year	BUDYEAR	G6	BU
Scheme types	SCHTYPE	G8	FP
Statistical types	STATTYPE	GY	AC
Day type variants	DTVAR	H1	TS-PS
Income categories	INC.CAT	B2	TS
Cost categories	COST.CAT	B3	TS
Resource connection	CONNECT	BC	TS
Discipline	DISCIP	B5	TS
Resource types	RESTYP	C2	TS-PS-TT
Project types	PRO.TYPE	B4	TS
Resource groups	RESGRP	C6	TS-PS-TT
Job types	JOBTYPE	BH	TS
Units	UNIT	BK	TS
Rate codes	RATE	BP	TS
Function type	FUNCTYPE	BR	RR
Pay step	PAYSTEP	CS	PR
Position authorization	POSAUTH	CR	PR
Position code	POSCODE	CQ	PR
Appointment type	APPTYPE	CV	PR
Pay step	PAYSTEP	CS	PR
Treatment code	TRERULE	CY	PR
Course types	COURSTYP	IB	TA
Next of kin codes	FAMILY	C3	PS
Transport types	TRANSP	CZ	TT
Terms of delivery	DELTERM	D2	SO-PO
Modes of delivery	DELMET	D3	SO-PO
Invoicing amount limits	AMNTLIM	DH	SO-UI
Initiator	TASKSUPP	DR	SO-UI



Price method	PRICEMET	DJ	SO-UI
Time pricing	PRICETIM	DN	SO-UI
Price per year	PRICEPER	DO	SO-UI
Property type	PROPTYPE	DP	UI
Codes for price list groups	PRICEGROUP	D28	OS
Price list codes	PRICECODE	D14	OS
Add up codes	ADDUP	D32	OS
Event status codes	EVENTSTAT	D26	OS
Additional information groups	SOCINFOGR	D29	OA
Additional info rows	SOCINFOGR	D27	OA
Reason codes	DIAGNOSIS	D13	OS
Priority codes	PRIO	D15	OS
Action codes	SERVACTION	D12	OS
Area codes	AREA	D10	OA
SOC scheme codes	SOCSCHEME	D16	OA
SOC rule codes	SOCRULE	D17	OA
Index series	INDEXESERIES	D18	OA
Price types	OAPRICE	D21	OA
Geography	GEOGRAPHY	D22	OA
Object types	OBJTYPE	D24	OA
Cancellation codes	CANCELCODE	D33	OA
Reason codes for price changes	CHGCODE	D35	OA
Schedule groups	SCHEDULEGR	D37	OA
Message codes	MSGCODE	D34	EN

GCON4 MFL can be used to extract data from UNIT4ERP, update data in UNIT4ERP or insert new data into UNIT4ERP.

GCON4 MFL can be used to INSERT new information or UPDATE existing data at the same time.

GCON4 MFL verifies that the data uploaded is correct. If there are any inconsistencies in the data, a detailed log describing the error is displayed.



Technical introduction

GCON4 MFL lets users connecting to the database to upload data using an UNIT4ERP API-based web service and performs all the standard validation checks required in UNIT4ERP during this process. GCON4 MFL downloads the information from the database first, then performs the necessary checks on the downloaded data to make sure all data to be uploaded is validated against the information contained in UNIT4ERP. If the Excel sheet contains errors, GCON4 MFL shows an error message for each row with error, giving detailed description.

Important: GCON4 is guaranteed to work correctly with the latest patches of each UNIT4ERP version (M5, M6 and M7).

Installing GCON4 MFL

A separate installation of the main Unit4 Business Workplace software package on the UNIT4ERP Servers and Client Configuration are required. **Installation instructions are provided in a separated guide, GCON4 MFL - EN - Installation Guide.**

Latest version

This is the link to find the last released version:

<https://www.gcon4mfl.com/downloadlatest.php>



These 3 buttons allow to download the latest: MSI, Zip package and XML templates for customization.

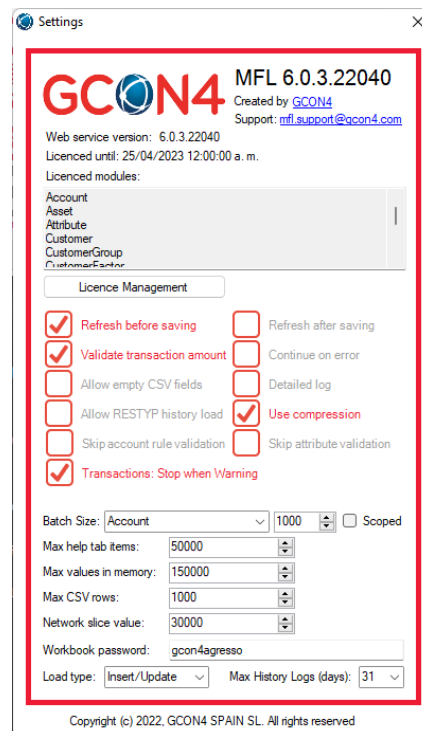


Configuration

GCON4 MFL standard behaviour is determined by various parameters, which are configured in Settings. This configuration can be accessed by clicking the button in the top right-hand corner.



When you click on this button, the following window is displayed:



This window provides further information on:

GCON4 MFL version:
Software version
Developer
Support email, where you can request further assistance.

Licensed until:
Shows when the license will expiry.

Licensed modules:
This identifies the master files that can be uploaded with the current license.



License management button: quick access to get your license string code for renewal licenses.

Note: The License key is now stored at the database level; you can keep your GCON4 MFL key valid until the expiration date. It can be checked in the *amfllicence* table.

Parameters

The following list of MFL parameters works in the desktop and web interface app.*

Parameter name	Description
Refresh before saving	Determines whether values should be refreshed before saving.
Refresh after saving	Determines whether values should be refreshed after saving.
Validate transaction amount	Determines whether GCON4 MFL validates or not that the amount for a transaction is balanced. If you allow unbalanced transactions to be posted, this parameter must be unchecked and the Common Parameter in Unit4 Business World ERROR_ACCNT must have an account.
Continue-on-error	Determines that GCON4 MFL do not stop the load if it found an error. Automatically sets the batch size to 1 for the load. This parameter was developed for integrations, so is not recommended for other purposes.
Allow empty CSV fields	Determines whether GCON4 MFL allow empty values or not in fields of CSV files when load the file.
Detailed log	Allows including the detailed progression sequence of the upload process in the log, such as: connecting, retrieving settings, getting data, checking integrity, reading file, parsing data, preparing the data, and saving.
Allow RESTYP history load	This option applies in the Personnel Masterfile allowing to upload through update, new/former



	date intervals of relational values for RESTYP (different relational values from header)
Transaction stop when warning	Determines that transaction stops if GCON4 MFL found a warning in the transaction GL analysis (account rules specifically).
Use Compression	Data compression is applied to reduce the size of the batches that will be loaded, it improves the performance.
Skip Account Rule validation	Account rule validation is performed entirely by the GL07 Server process (especially when value matrix and validations on relations are set in the account rules) This works along with the skip attribute validation option.
Skip Attribute validation	This option removes all the validation on attribute values that MFL performs during the loading of transactions. It also affects the way how you see the templates (red colour as indicated that att.values are not validated in the template)
Batch size	Specifies the number of records that each batch will contain. If an error is found in a batch, the upload will stop and a log that specifies which batches have been uploaded and which batch contains an error will be displayed. IMPORTANT: The batch size for some master files is set to 1 and cannot be modified due to UNIT4ERP limitations (e.g., Payment and Deduction, Personnel Cost Distribution, Work Schedule and Course event).
Scoped	Determines whether GCON4 MFL should use the Scope function or not for each master file. "Scoped" improves the GCON4 MFL performance, however, is RAM consuming. "Scoped" also locks the records when updating information (no proper access to these records in UNIT4ERP) until de batch finishes. If you have scope activated and your batch size is big, it means that when GCON4MFL is processing a specific batch, all the records included in this batch will be locked until the batch ends. The bigger the batch is, more records will be included, and more time will take to free the records affected.



Max help tab items	Indicates the maximum number of attribute values to be displayed in the Help tab. This parameter allows you to restrict bringing too many attribute values into the Excel sheet. The value here cannot be higher than the value of the “Max value in memory”. *This option is available in the desktop only.
Max values in memory	The maximum number of records that will be stored in the RAM memory after the retrieval of values from the server. When the number of records is above this number, the records will be stored in a file instead, and the access to them will be slower. If an attribute has more values than the value specified in this control, GCON4 MFL will validate the excel values one by one against the database. Otherwise, it will download all the values for the specified attribute from the database and do a validation against the retrieved values that will be stored in the memory.
Max CSV rows	Maximum rows allowed to process, for csv files. The previous limitation to 5000 has been removed.
Network slice value	Related to the maximum number of records per slice in the retrieval of values from the server. *This option is available in the desktop only.
Workbook password	Determines the password used to protect the Excel template from modification by unauthorized users.
Load type	There are 3 possible load types: <ul style="list-style-type: none">• Insert: Only records that do not already exist in the database will be uploaded, even though the Excel sheet may contain records that require update. Only Insert transactions will be performed, no Update transactions.• Update: Only records that need to be updated in the database will be uploaded; no Insert transactions will be performed.• Insert/Update: All records requiring Insert and Update transactions in the Excel sheet will be uploaded to UNIT4ERP.

Max history logs (days)	Number of days that the logs will be kept. *This option is available in the desktop only.
Report_file	The report that is produced. The default value is MFL04. *This option is available in the web interface only.
Blob_id	The id of the blob file (the .xlsx or .csv file you are loading). This option is available in the web interface only.
Remove_blob	<p>valid values are (1) remove blob file from the amflblob; value (0) blob file is not removed. In both cases it is removed from the temporary folder (temp). *This option is available in the web interface only.</p> <p>If you require checking this, use the following SQL sentence (the id is illustrative):</p> <pre>select * FROM amflblob WHERE id='c2c3e757-0640-439e-ab4c-9f27f8c006df'</pre> <p>What are the pros and cons of parameter remove_blob=0?</p> <p>Pros:</p> <ul style="list-style-type: none"> • Audit purposes. Given some changes that have been loaded in UBW we can see the file that originated them, • Execution of the same file in a different company if we enter blob id by hand and execute in another company. <p>Cons:</p> <ul style="list-style-type: none"> • The files are being stored in the DB which consumes space if many loads are performed.

Batch Size and Scoped defined values

GCON4 MFL comes with the default values for the parameters: batch size and scoped, although these values can be adjusted to the different loads. These are the values recommended for the best performance of a standard load.

Master files	Standard load		Bigger loads (>5000records)	
	Batch size	Scoped	Batch size	Scoped
Account	100	no		
Applicant	1000	no		
Assets	1000	no		
Attribute values	1000	no		
Balance	1000	no		
Balance Value reference	1000	no		
Course	1000	no		
Course event	1	no	5000	yes
Customer	1000	no		
Customer group	1000	no		
Customer pay recipient	1000	no		
Exchange rate	1000	no		
Goods Received	1	no		
Pay dispatch	1000	no		
P&D	1	no		
Pay Scale	1000	no		
Personal work Schedule	1000	no		
Personnel	100	no		
Personnel cost distribution	1	no	5000	yes
Personnel employment	100	no		
Personnel rate	1000	no		
Position code	1000	no		
Position	1000	no		
Posting AP	1	no		
Posting AR	1	no		
Posting GL	1	no		
Product	1000	no		
Project	1000	no		
Purchase Order	1	no		



Purchase Order Amendment	1	no		
Rate	1000	no		
Rate value reference	1000	no		
Requisition	1	no		
Role	1000	no		
Sales Order	1	no		
Stock Entry	1	no		
Stock Withdrawal	1	no		
Supplier	1000	no		
Supplier group	1000	no		
Supplier Pay recipient	1000	no		
Training need	1000	no		
Transaction archive	1000	no		
User	1000	no		
Work order	1	no	5000	yes
Work Schedule	1	no	5000	yes

Data Validation

Two levels of validation are performed when uploading information to Unit4 ERPP using GCON4 MFL (Load button).

Level 1: GCON4 MFL validation is performed where common errors arise (i.e., non-existing attribute values, etc.).

If errors are encountered at this level, a detailed log is displayed by GCON4 MFL.

If no errors are found at this level, the full list of records populated in the Excel sheet is split into X number of batches, and the upload process starts.

Level 2: At this level, a second, more specific validation is performed by Unit4 Business World (As when pressing Save in the UNIT4ERP window).

If errors are encountered, a log is displayed, which shows the error given by UNIT4ERP. The upload process is stopped and subsequent batches pending to be uploaded are not processed. Only previous batches without errors are uploaded successfully to UNIT4ERP.

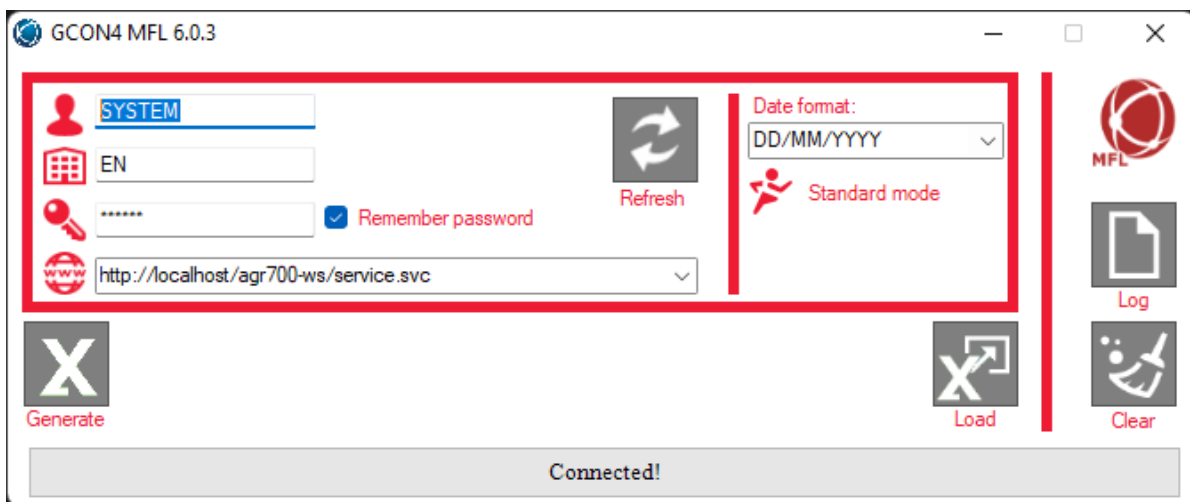
If no errors are found, all batches are uploaded to UNIT4ERP.

Using GCON4 MFL

Running GCON4 MFL.exe

Note: This section is intended to explain how using GCON4 MFL desktop app. For reviewing how to use the app within the Unit4 Web interface, please review the GCONMFL Unit4 ERP Web Interface Reference manual.

After having downloaded and installed the latest version, the following window is displayed:









This window contains the following fields:

Field	Description
Username	UNIT4ERP user with which you want to connect to the application.
Client	UNIT4ERP client to which you want to connect.
Password	Password for the user entered above.
Remember password	If you select this checkbox, GCON4 MFL will remember the password when connecting next time.
URL	Path where the web services are hosted. A dropdown list enables you to select previously entered URLs.
Date Format	Date format to be used in GCON4 MFL. The options are: Day Month Year (DD/MM/YYYY) Month Day Year (MM/DD/YYYY)

Standard mode / Test Mode	If standard mode is checked, the data contained in the Excel sheet is uploaded to UNIT4ERP. If test mode is checked, GCON4 MFL performs a test run and no data is uploaded. You can then check the error log to verify data in the Excel templates.
---------------------------	---

Buttons

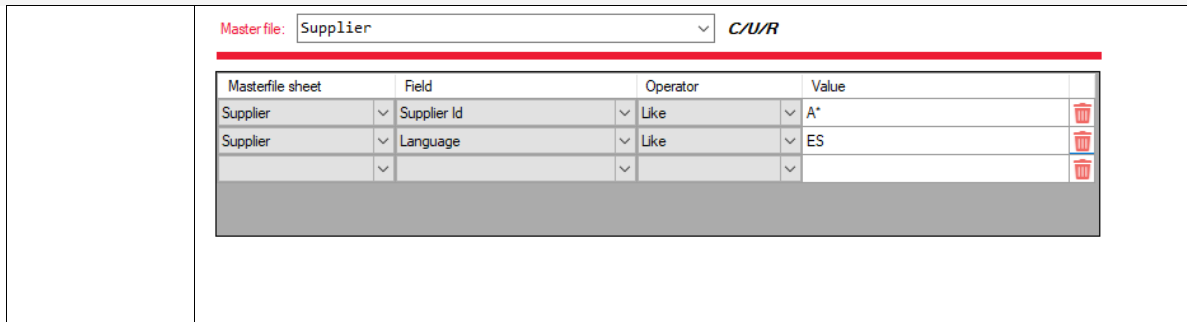
Button	Description
 Connect	<p>Connect: Press this button to send the access credentials and connect to the system. Once connected, you can press the Refresh button.</p>
 Refresh	<p>The Refresh button allows you to re-connect and download any new attribute values, flexi-field configuration, etc. to GCON4 MFL once again.</p>
 Log	<p>Log: Press this button to display a log file of any errors that occur in the Excel template.</p>
 Clear	<p>Clear: Press this button to delete the log file.</p>
 Generate	<p>Generate: This button opens the window to generate the Excel templates that will be used to update the data to UNIT4ERP.</p>
 Load	<p>Load: This button opens the window to load the completed Excel sheet in UNIT4ERP. GCON4 MFL automatically detects which rows are to be inserted and which rows are to be updated. If you choose either Insert or Update in the Load type parameter in Settings, only that type of transaction will be allowed.</p>

Generating the Excel Template

The main function of this menu is extracting empty and filtered data templates in excel format, add properties to the excel file and generating .csv, .pdf, and .xml templates.

Sections

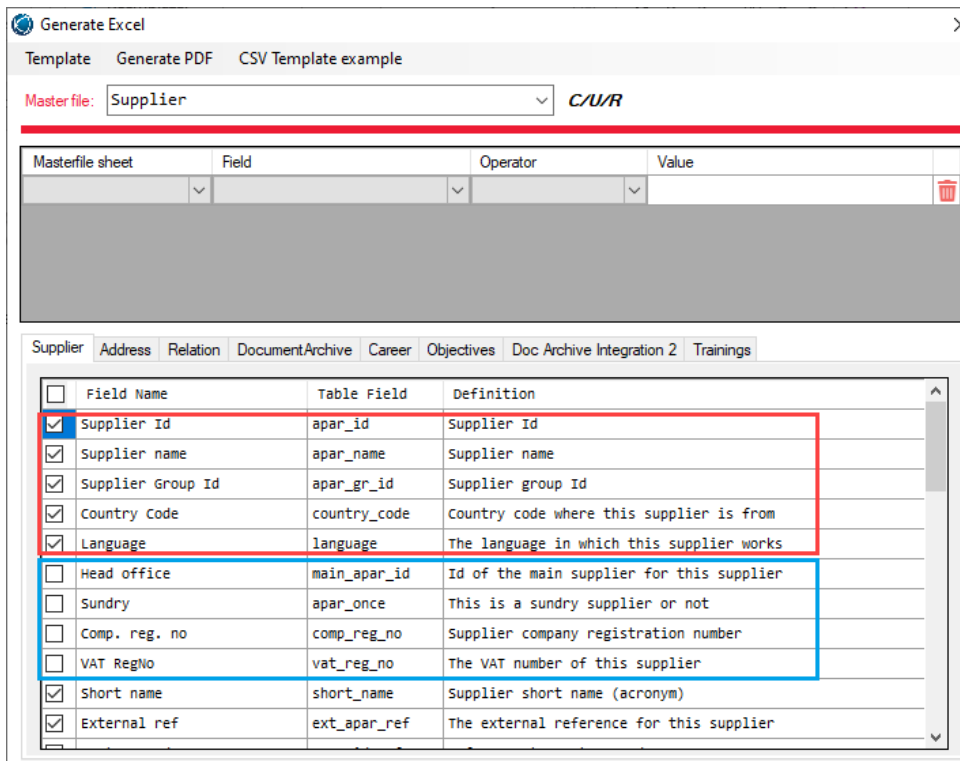
Section	Description
Master file / Attribute	<p>Select the Masterfile /attribute using the drop-down menus</p> <p>If you select Attribute, an entire list of the attributes previously configured in UNIT4ERP will be displayed by GCON4 MFL.</p> <p>When you select Asset, GCON4 MFL will display the full list of * attributes:</p>
Data Filtering	Filter the data you want to retrieve from the Masterfile tabs using the operators supported by Unit4 ERP.



Masterfile Tabs

GCON4 MFL will display as many tabs as required for the master file selected, i.e., five for the Supplier master file (remember, each flexi-field group will be displayed as a tab in GCON4 MFL).

Supplier Tab: where you can select the supplier-related fields to be uploaded. Mandatory fields in Unit4 Business World are selected by default in GCON4 MFL. These fields must be included in the Excel template.



Mandatory fields in UNIT4ERP that must be included in the generated Excel template are highlighted in **RED**. Some optional fields are highlighted in **BLUE**.

You can use the scroll bar to browse the list of optional fields. The Excel template will only be generated with the mandatory fields and those fields that have been selected.

For the example above, the Excel template will contain Supplier Id, Supplier Name, Supplier Group Id, Country Code, and Language and will not include Head Office, Sundry, Comp Reg. No, and VAT Reg. No.

Address Tab: where you can select fields related to the Supplier address to be uploaded.

As above, mandatory fields that must be included the generated Excel template are highlighted in **RED**. Optional fields are indicated in **BLUE**.

GCON4 MFL lets you browse all available fields using the scroll bar. Select any optional fields you want to include in the Excel template.

Relation Tab: where you can select fields associated with Supplier Relation to be uploaded.

The screenshot shows the 'Generate Excel' dialog box with the 'Relation' tab selected. The 'Masterfile sheet' is set to 'Supplier' and the 'C/U/R' is 'C/U/R'. Below this, there is a table with columns for 'Masterfile sheet', 'Field', 'Operator', and 'Value'. Below the table, there are tabs for 'Supplier', 'Address', 'Relation', 'DocumentArchive', 'Career', 'Objectives', 'Doc Archive Integration 2', and 'Trainings'. The 'Relation' tab is active, showing a table with columns for 'Field Name', 'Table Field', and 'Definition'. The 'Line number' field is highlighted in blue.

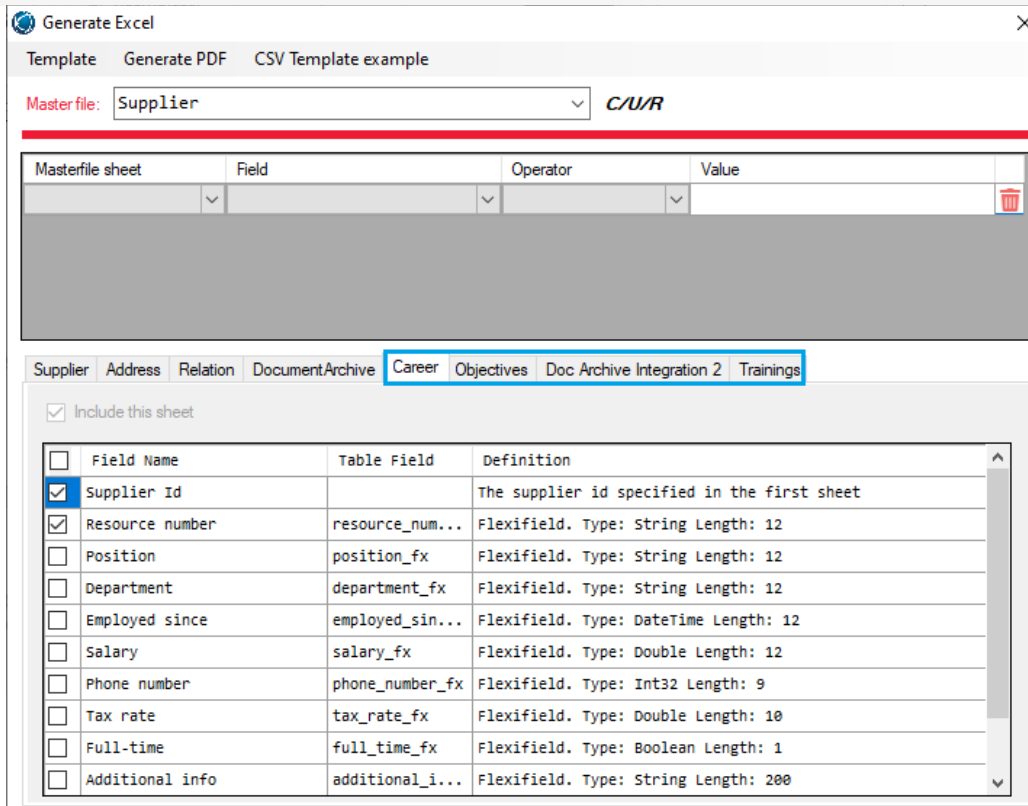
Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Supplier Id	att_value	Supplier Id specified in the first sheet
<input checked="" type="checkbox"/> Relation	rel_attr_id	Attribute ID of a related attribute
<input checked="" type="checkbox"/> Rel.value	rel_value	Attribute value of directly related attribute
<input type="checkbox"/> Date from	date_from	The date from of this relation
<input type="checkbox"/> Date to	date_to	The date to of this relation
<input checked="" type="checkbox"/> Line number	line_number	THIS FIELD CANNOT BE UPDATED.In case you want to add re...

Note: Relations include a field named “line number”. Line number will be “0”, if there is just one relational value for master file Id and relation. If there is more than one value, the line number will count 1,2,3 depending on the number of values for the relation.

	A	B	C	D	E
1	Default Value	*#NODEFAULT#*	*#NODEFAULT#*		0
2	Mandatory	Mandatory	Mandatory	Mandatory/Optional	Mandatory
4	Field Name	Supplier Id	Relation	Rel.value	Line number
5		700	CLIENT	NO	0
6		710	CLIENT	NO	0
7		720	CLIENT	NO	0
8		800	CLIENT	10	0
9		810	CLIENT	10	0
10		910	CLIENT	EN	0
11		900	CLIENT	EN	0
12		920	CLIENT	EN	0
13		1040	RESNO	90080103	0
14		1040	RESNO	90080107	1
15		1040	SUPPGRP	9	0
16		1041	RESNO	90080104	0
17		1041	RESNO	90080108	1

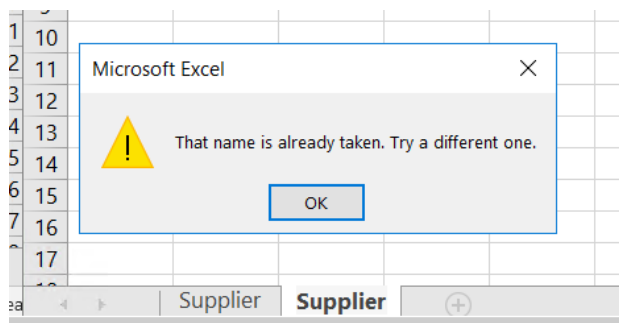
When you retrieve existing data, GCON4MFL will bring the counter values for the line number. If you are inserting new records with more than one value per relation, you will have to indicate the corresponding number.

Flexi-fields: Flexi-field groups for the Supplier are also incorporated in GCON4 MFL, displaying them as tabs in the same way as the Supplier master file. Each flexi-field group is a separate tab.

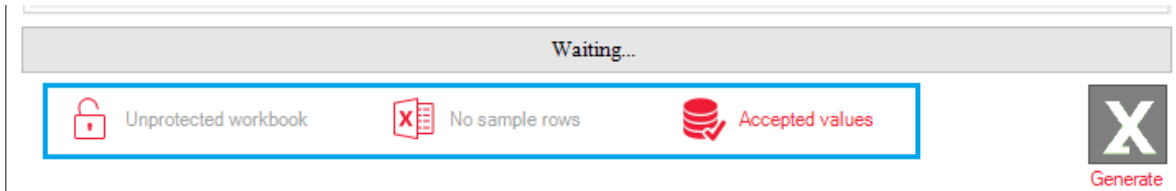


Select the fields in each tab you want to insert/update in UNIT4ERP, and only the checked fields will be incorporated in the Excel template.

Note: GCON4 MFL uses the flexi-group ID and not the flexi-group description to indicate the name of the tab in the excel template, so flexi-field group ID cannot be the same that the master file, because this will generate an excel error when trying to create a file with two tabs with the same name. The standard excel error is:



Options



Options	Description
Protected/ Unprotected workbook	If you select this option, GCON4 MFL will generate an Excel template where you can only edit the Data section. The workbook's structure is password-protected, so that it cannot be changed in any way. Columns cannot be deleted. This ensures that the Excel sheet contains the same structure as when the template was originally created.
Sample row / No sample rows	If you select this option, GCON4 MFL will create five sample rows in the generated Excel template for you, to make entering information easier. This can also be done using the Retrieve function, so when the Retrieve function is activated, this button is disabled.
Accepted values / No accepted values	GCON4 MFL will generate an extra tab where you can check the values to be entered in the Excel sheet.

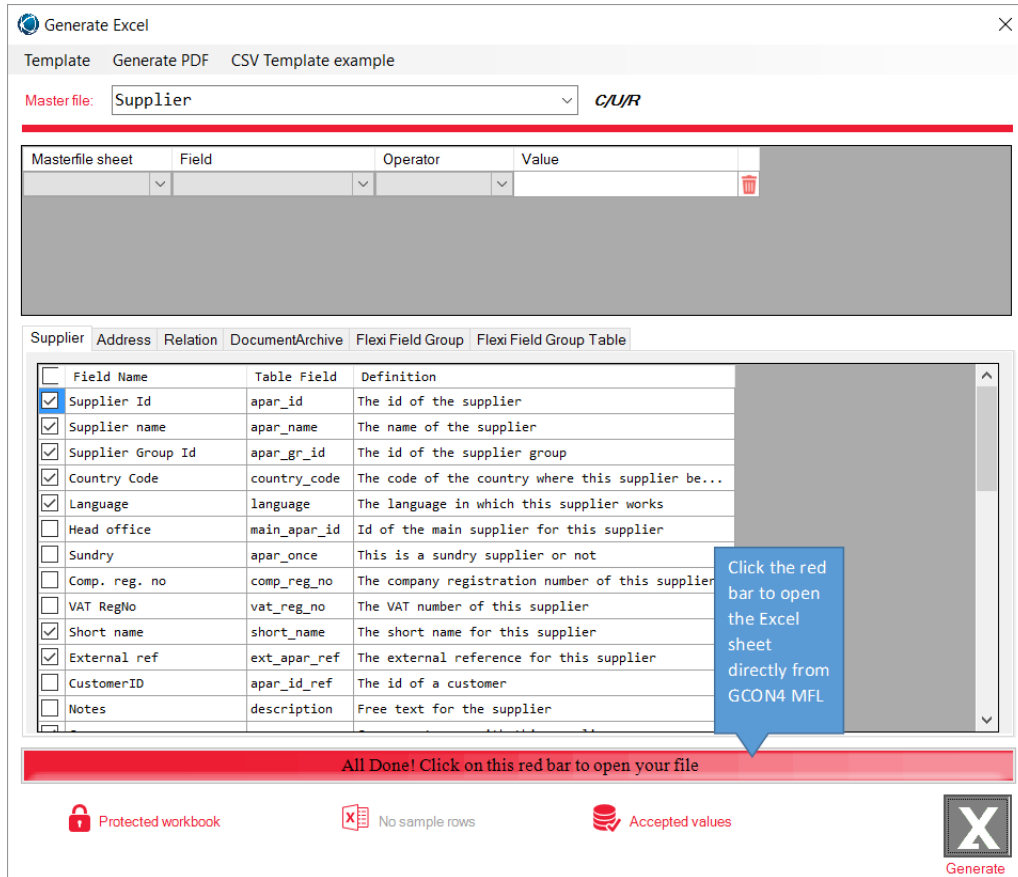
When you have checked all the fields required in all the tabs, click **Generate** to create the Excel template.

GCON4 MFL will ask you where you want to save the generated Excel template. Preferred output format is available when saving the template: '<yyyy-mm-dd><hh:mm:ss><Masterfile_Name>' -: e.g. 20200419150635_Supplier.xlsx



The Excel template will be generated only with the checked fields.

Once the Excel template has been generated, you can choose whether you want to go directly to the folder where the template is located or whether to open the Excel sheet by clicking on the red bar:



The Excel template generated will be like that shown below:

	A	B	C	D	E	F	G	H
1	Default Value	*#NODEFAULT#						
2	Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Optional	Optional
4	Field Name	Supplier Id	Supplier name	Supplier Group Id	Country Code	Language	Head office	Sundry
5		SupplierId1	Supplier name1	10	SH	PT	53105050	TRUE
6		SupplierId2	Supplier name2	WF	RO	TR	3715	TRUE
7		SupplierId3	Supplier name3	X1XXXXXX	IE	DK	4443	TRUE
8		SupplierId4	Supplier name4	2	MH	EN	1012	TRUE
9		SupplierId5	Supplier name5	66	BD	NL	2946	TRUE

The Excel File

The generated Excel template contains all the worksheets and fields indicated during the design step. If you have checked the **Accepted Values** option, an extra tab will also be generated.

The generated Excel template contains three standard rows:

Row 1: Default Value. A default value for all the fields previously selected in the design step in GCON4 MFL can be defined. If no default values have been defined, the field will be **RED** (**#NODEFAULT#**).

Row 2: Mandatory. Any mandatory fields that must contain a value appear in **BLUE**. Mandatory fields are automatically selected in the design step in GCON4 MFL. Optional fields are indicated in **GREY** (for example, Head Office). Fields that may be mandatory or optional depending on whether the data is being inserted or updated are indicated in **ORANGE**.

Row 3: Field Name. Name of the field being entered.

Subsequent rows: Data to be entered. In this case, each supplier will have a separated row in the Excel sheet.

The Accepted Values tab: For fields in which Field Name is **BLUE** (Row 4 in the Excel template), click on these fields to go to the Accepted Values tab to check the allowed values.

1	Default Value	#NODEFAULT#							
2	Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional
4	Field Name	Supplier Id	Supplier name	Supplier Group Id	Country Code	Language	Short name	External ref	Currency
5		SupplierId1	Supplier name1	2014	PL		RYHCZWIZAV	External ref1	GBP
6		SupplierId2	Supplier name2	2012	HU		QGBOCBPGPO	External ref2	BOB
7		SupplierId3	Supplier name3	71	NL		NUSHPREAGL	External ref3	BZD
8		SupplierId4	Supplier name4	2001	VE		C/CBRBLQGS	External ref4	LRD
9		SupplierId5	Supplier name5	2004	SL		REBTMEFCQM	External ref5	SLL

As you can see above, the Supplier Group Id field is **BLUE**. If you click it, you will go to the Accepted Values tab (**GREEN**) where you will be able to see all the accepted values for the *supplier group*; in this case:

A	B	C	D	E
Value	Description		Mandatory/Not mandatory	Relation attribute
Supplier Group Id		Relations		
07	Employees		Not mandatory	ACCOUNT
1	Domestic suppliers		Not mandatory	CLIENT
10	Purchasing departments		Not mandatory	GLTEMPLATE
2	International suppliers		Not mandatory	MARKET
5	expand1		Not mandatory	PROJECT
66	EF test		Not mandatory	ACTIVITY
71	unitest group		Not mandatory	WORKORD
9	Internal suppliers		Not mandatory	JOBTYPE
EI	EI supplier group		Not mandatory	RESNO
EXPANDPROC01	expand 2		Not mandatory	COSTC
WF	Workflow supplier group		Not mandatory	PRODGRP
X1	British suppliers		Not mandatory	SUBADR
X1XXXXXX	expand 3		Not mandatory	PRIOR
X2	8080		Not mandatory	COURSINS
X3	some supplier group		Not mandatory	BUSINESS
X4	Our Employee		Not mandatory	COMPANY
Country Code				
AF	Afghanistan			
AL	Albania			
DZ	Algeria			
AS	American Samoa			
AD	Andorra			

The left table contains all the valid values for the Supplier Group Id field. The right table provides a summary of the mandatory and optional relations.

Each field in the Excel template contains a description of the field, the database field name, the length admitted, and/or an explanation on how the field should be completed, if required.

For example, for the *Short name* field, if you select Edit comment, you will see:

A	B	C	D	E	F	G	H	I
1	Default Value	*#NODEFAULT#						
2	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory		
4	Field Name	Supplier Id	Supplier name	Supplier Group Id	Country Code	Language	Short name	
5		SupplierId1	Supplier name1	66	GB	EN	Short Name 1	The short name for this supplier Database field name: short_name Length: 10
6		SupplierId2	Supplier name2	66	GB	EN	Short Name 2	
7		SupplierId3	Supplier name3	66	GB	EN	Short Name 3	
8		SupplierId4	Supplier name4	66	GB	EN	Short Name 4	
9		SupplierId5	Supplier name5	66	GB	EN	Short Name 5	

For the **Sequence number** field in the Address Tab, if you select Edit comment, you will see:

1	Default Value	*#NODEFAULT#	*#NODEFAULT#		0
2	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
4	Field Name	Supplier Id	Address type	Country Code	Sequence number
5		SupplierId1	1	BE	
6		SupplierId2	1	CF	
7		SupplierId3	1	DJ	
8		SupplierId4	1	MU	
9		SupplierId5	1	TC	

THIS FIELD CANNOT BE UPDATED. The sequence number for the address. Starting from 0 it will be an autonumbering per each address type. For example:

MF	Address Type	Country Code	Sequence number
TEST1	1	UK	0
TEST1	3	ES	0
TEST1	3	US	1
TEST2	1	GB	0
TEST2	1	PL	1
TEST2	4	MX	0 (0 set as default value)

Database field name: sequence_no
Length: 15

Once all the data you want to upload to UNIT4ERP has been entered, save the Excel sheet.

To update into an empty value in a field, set the field as **<#EMPTY#>**. Otherwise, if the field is optional and left empty, it will be ignored during the update process.

	F	G	H
Optional	Optional	Mandatory/Optional	Optional
	Work schedule	Employment Type	Attrib
	<#EMPTY#>	P	

Note: when auto-numbering is enabled:

- For Inserts: The Excel sheet must not contain Master File IDs (for example, Supplier IDs)
- For Updates: The Excel sheet must contain the Master File ID

If the value entered exists in the Accepted Value sheet, the cell will turn GREEN.
 If the value entered does not exist, the cell will turn RED.

Skip Attribute validation:

- Refresh before saving
- Refresh after saving
- Validate transaction amount
- Continue on error
- Allow empty CSV fields
- Detailed log
- Allow RESTYP history load
- Use compression
- Skip account rule validation
- Skip attribute validation
- Transactions: Stop when Warning

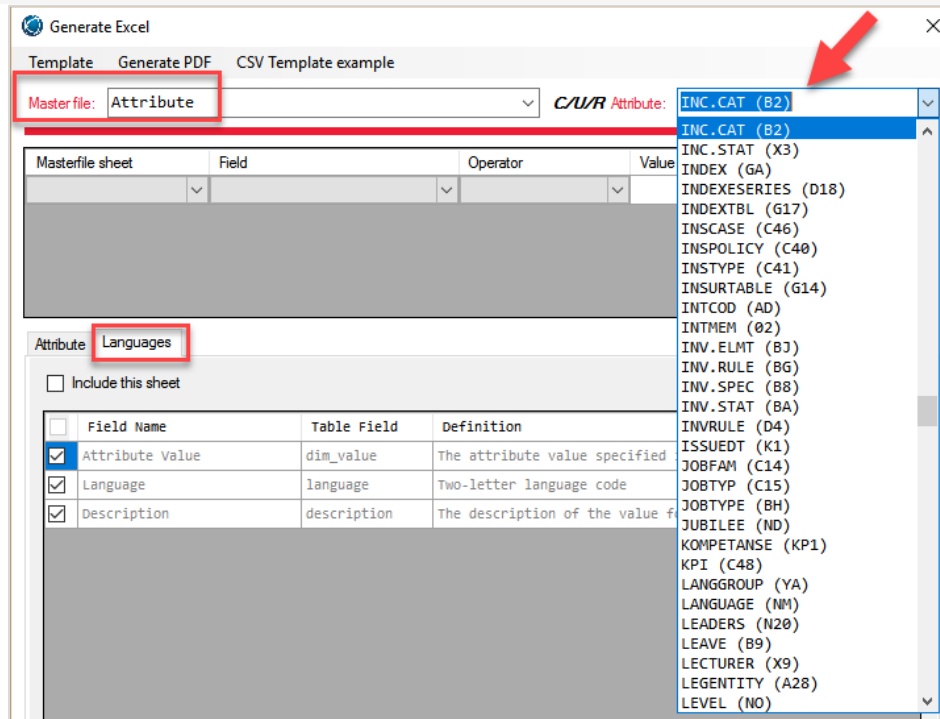
This option removes all the **validation on attribute values** that MFL performs during the loading of transactions, please note when this option is checked, the templates are retrieved with fields in red colour, example:

Default Value	*NODEFAULT*												
Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional
Field Name	Customer id	Customer name	Customer group	Country Code	Language	Short name	External ref	Supplier id	Currency	Payment terms	Pay Method	Collection code	
	1000	Andersen Consulting	1	GB	EN	ANDERSEN	1000	1007	GBP	30	CH	IK2	

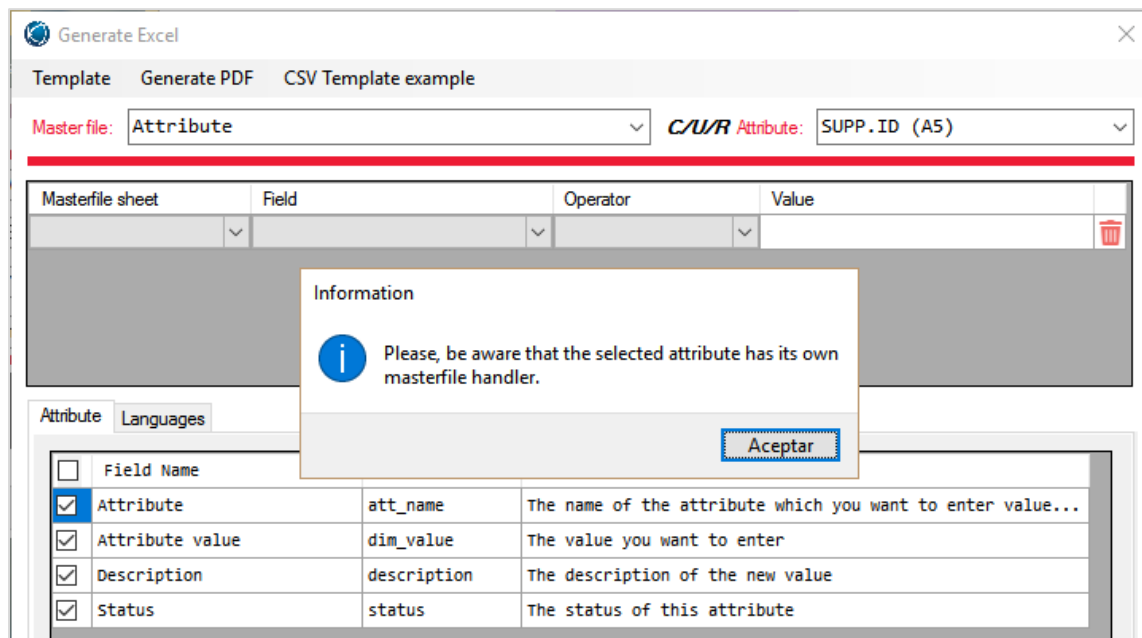
Note: this option works along with the Skip account rule validation parameter.

Multilanguage in Attribute values text

The text for different languages for attribute values is treated in GCON4MFL through the master file ATTRIBUTE, that lists all the attributes: system and user defined. Attribute IDs have been included helping to identifying them.



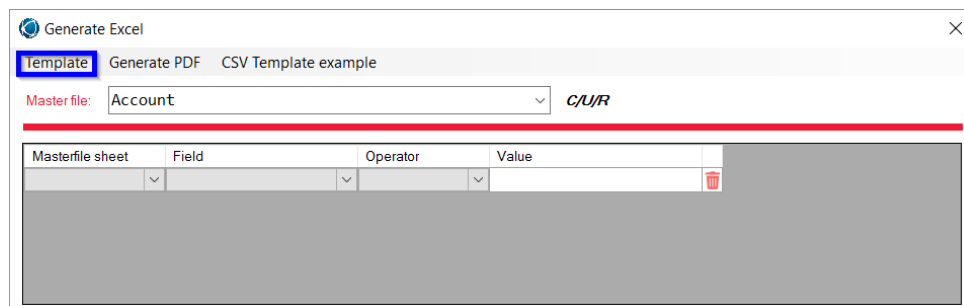
Some of the attributes listed here, have their own master file in GCON4MFL (supplier, customer, project, personnel....), when one of these attributes is selected, this message is shown:



For these attributes, **use their own master file to upload-information information**, and just this option in “attributes” to enter the text for the attribute values, for the different languages.

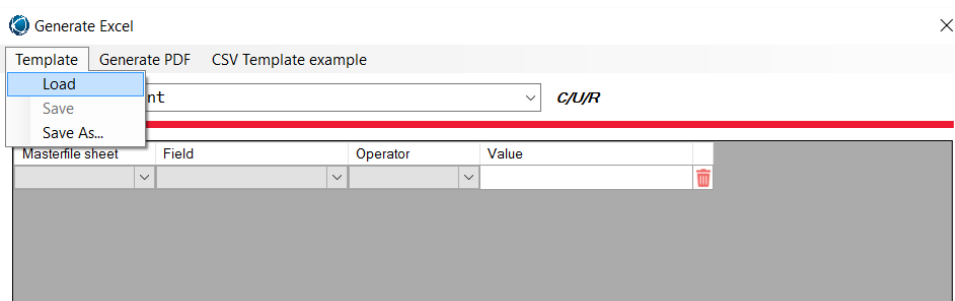
Creating field selection templates

GCON4 MFL lets you create field selection templates. You can save the configuration of the fields previously selected during the design step in GCON4 MFL so it can be re-used at a later stage.



For example:

You have processed all the tabs, selecting only those fields you want to update. Once all the fields have been selected, you can save the configuration by selecting **Template -> Save As**. The configuration template is saved in the corresponding folder. When you want to use these fields again, select **Load** in the **Template menu**.



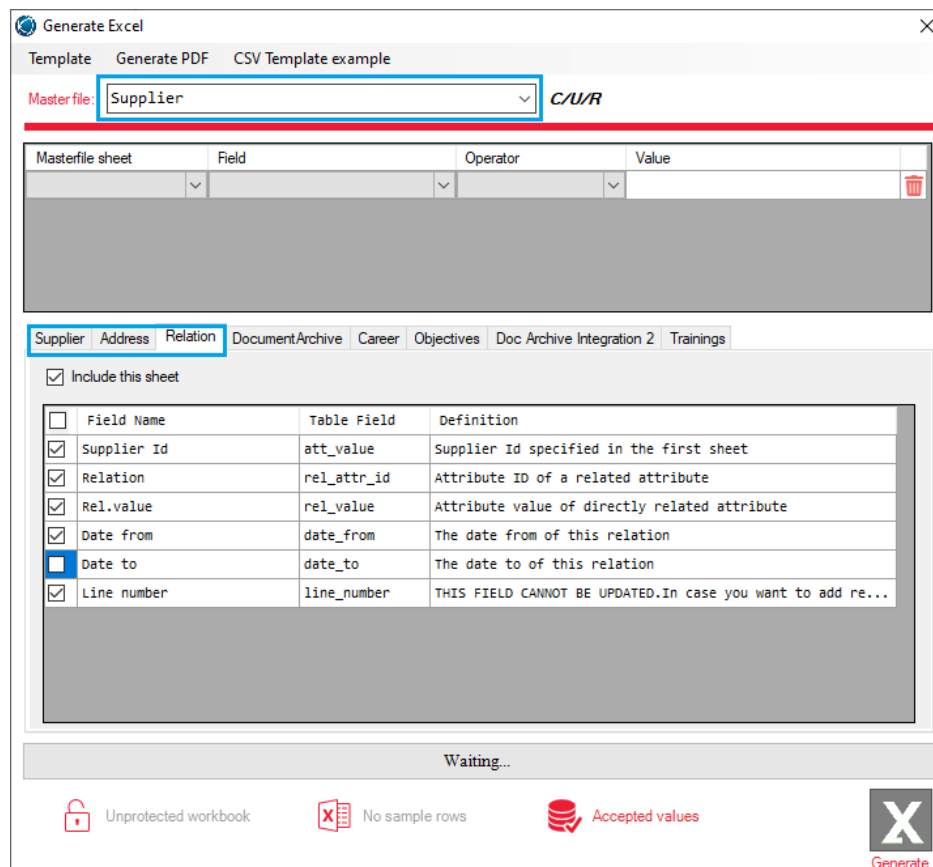
Generating CSV templates

GCON4 MFL can load data from a .CSV file. CSV stands for "comma-separated values". Its data fields are most often separated, or delimited, by a comma. In GCON4 MFL, comma is the character required to separate fields in templates that want to be uploaded.

To generate this file type, a function has been added to generate templates based on the field selection. The process for selecting the fields is identical to that used to generate Excel templates.

When you click Generate, a window will appear in which you can define the type of CSV template you want to generate for updating data in UNIT4ERP.

Select the type of master file for which you want to generate the CSV template, for example, if you want to generate a CSV template for uploading data to the Supplier master file, select Supplier in the Master file field, as highlighted below:



GCON4 MFL will display as many tabs as required for the master file selected (remember, each flexi-field group will be displayed as a tab in GCON4 MFL).

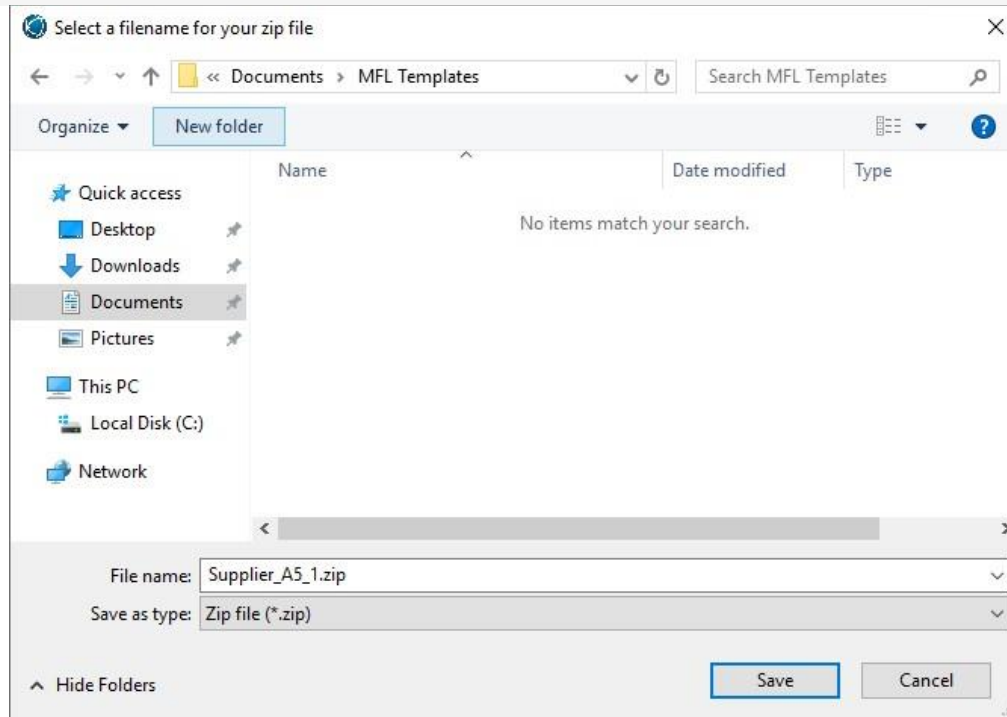
The CSV template will be generated only with the checked fields. When you have checked all the fields required in all the tabs, click CSV template example (GREEN) to generate the CSV template.

The screenshot shows the 'Generate Excel' dialog box with the following details:

- Template:** Generate PDF, **CSV Template example** (highlighted in green)
- Master file:** Supplier (dropdown menu)
- Masterfile sheet:** Supplier, Address, Relation, DocumentArchive, Career, Objectives, Doc Archive Integration 2, Trainings
- Field Selection Table:**

Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Supplier Id	att_value	Supplier Id specified in the first sheet
<input checked="" type="checkbox"/> Relation	rel_attr_id	Attribute ID of a related attribute
<input checked="" type="checkbox"/> Rel.value	rel_value	Attribute value of directly related attribute
<input checked="" type="checkbox"/> Date from	date_from	The date from of this relation
<input checked="" type="checkbox"/> Date to	date_to	The date to of this relation
<input checked="" type="checkbox"/> Line number	line_number	THIS FIELD CANNOT BE UPDATED.In case you want to add re...
- Status:** Waiting...
- Icons:** Unprotected workbook, No sample rows, Accepted values, Generate (X icon)

After clicking on CSV Template option, GCON4 MFL will ask you where you want to save it. A .zip file containing all the csv files will be generated:

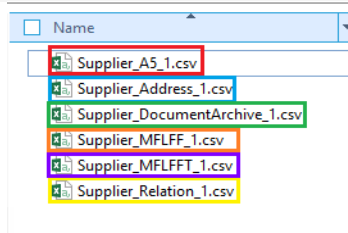


Name	Type	Compressed size	Passw
Supplier_A5_1.csv	Microsoft Excel Comma S...	1 KB	No
Supplier_Address_1.csv	Microsoft Excel Comma S...	1 KB	No
Supplier_DocumentArchive_1.csv	Microsoft Excel Comma S...	1 KB	No
Supplier_MFLFF_1.csv	Microsoft Excel Comma S...	1 KB	No
Supplier_MFLFFT_1.csv	Microsoft Excel Comma S...	1 KB	No
Supplier_Relation_1.csv	Microsoft Excel Comma S...	1 KB	No

For each tab checked, GCON4 MFL will create a separate CSV file:

Supplier	Address	Relation	DocumentArchive	Flexi-Field	Flexi-field table
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Supplier Id	apar_id	The id of the supplier
<input checked="" type="checkbox"/> Supplier name	apar_name	The name of the supplier



The CSV template generated is like that shown below:

	A	B	C	D	E	F	G	H	I
1	SupplierID	SupplierName	SupplierGroup	CountryCode	Language	ShortName	ExternalReference	Currency	PaymentTerm
2	SupplierId1	PRMRJXWCU	66	MR	EN	FOFYPPRWZ	YPEDZEGWIF	CAD	0
3	SupplierId2	MXFJSDXEBR	5	GQ	EE	ECBYFDZYVN	ZJQHAXWME	SRG	75
4	SupplierId3	YXOCZHSKU	7	EC	FI	GJDABYCKFL	ADHMEJKIIN	JMD	42
5	SupplierId4	CXMAGTMG	5	BY	MS	TCNDPDWA	ERRRNQPLVI	USN	3
6	SupplierId5	LSTJBWXENS	EI	GG	FR	QZEIPDEXO	FORLCMKDB	ILS	7
7									
8									

The UNIT4ERP fields are highlighted in BLUE and the values of those fields are highlighted in RED.

	A	B	C	D	E	F	G	H	I	J
1	SupplierID	SupplierName	SupplierGroup	CountryCode	Language	ShortName	ExternalReference	Currency	PaymentTerm	TaxFilingRec
2	SupplierId1	PRMRJXWCU	66	MR	EN	FOFYPPRWZ	YPEDZEGWIF	CAD	0	0
3	SupplierId2	MXFJSDXEBR	5	GQ	EE	ECBYFDZYVN	ZJQHAXWME	SRG	75	0
4	SupplierId3	YXOCZHSKU	7	EC	FI	GJDABYCKFL	ADHMEJKIIN	JMD	42	0
5	SupplierId4	CXMAGTMG	5	BY	MS	TCNDPDWA	ERRRNQPLVI	USN	3	0
6	SupplierId5	LSTJBWXENS	EI	GG	FR	QZEIPDEXO	FORLCMKDB	ILS	7	0
7										
8										

Remember that CSV fields required the comma separation. Below you can find an example:

```

Attribute_B3_1 - Notepad
File Edit Format View Help
Attribute,DimValue,Description,Status
COST.CAT,CATA,Category A,N
COST.CAT,CATB,Category B,N
COST.CAT,CATC,Category C,N
COST.CAT,CATD,Category D,N
COST.CAT,CATE,Category E,N
    
```

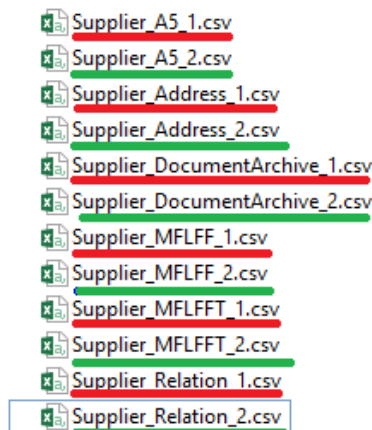
Uploading CSV files

The CSV templates generated by GCON4 MFL must follow a specific nomenclature:

Supplier_A5_1.csv

Supplier_Address_1.csv

- Master file name (BLUE)
- Tab name in GCON4 MFL (RED)*
- The last number identifies the various CSV files of the same master file (GREEN). In the example given below, there are two CSV files, Supplier_A5_1 with 20 rows (RED) and Supplier_A5_2 with 30 rows (GREEN).

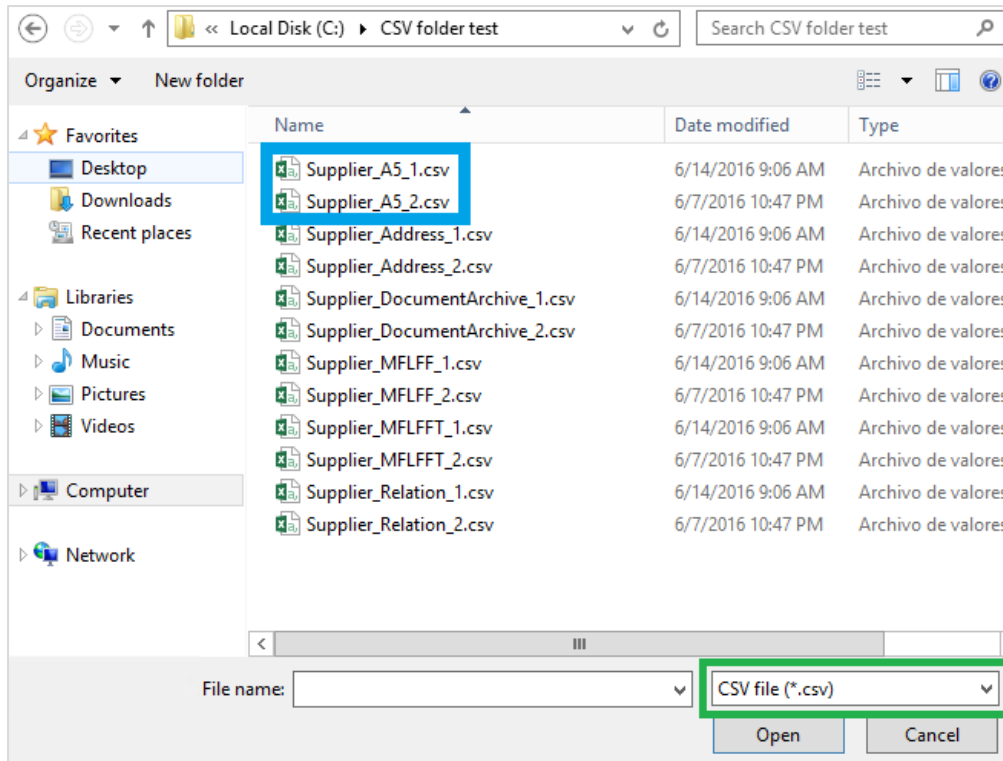


*The first tab shows the ID of the attribute in Unit4 Business World; in this case, supp.id = A5.

To get the specific file names, GCON4 MFL generates CSV templates, as explained in the Generating a CSV template section.

Use **Load** button to select the CSV template where you have entered the data to be updated/inserted and upload the information automatically.

Select CSV file as the file extension (GREEN). Please ensure all CSV files are closed before starting to load.

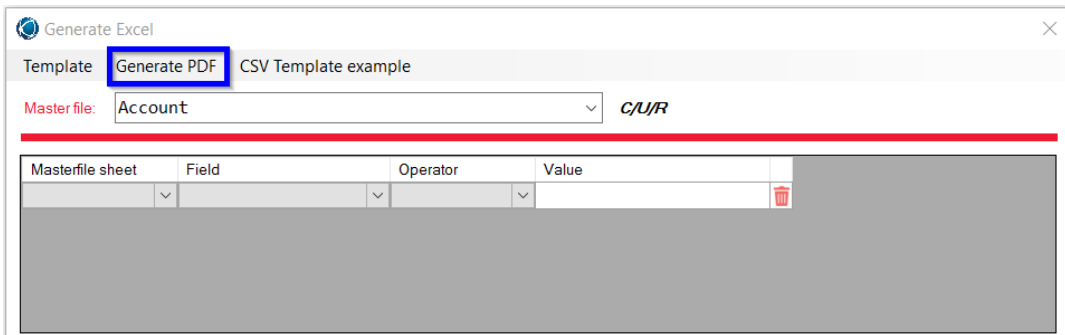


To manually upload a .CSV file, select the CSV files named with the Attribute ID (see BLUE). By selecting only two files, you can start to upload all the files, as shown in the previous image.

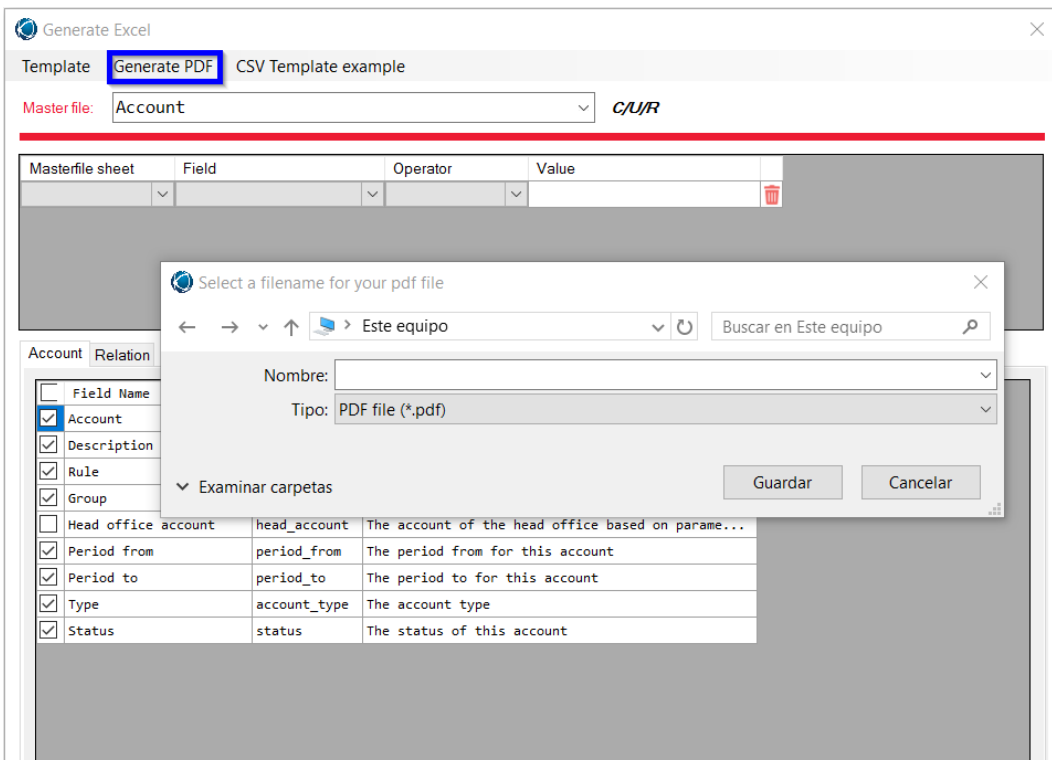
If the CSV sheet contains errors, an error message is displayed.

Generating a PDF

GCON4 MFL can generate a PDF file containing information on the fields of a master file.



Select a Master file and click Generate PDF. Select where you want to save the PDF file and click Save.



Once saved, the PDF file containing the selected information from the master file opens automatically:

Master File: Account

Field	DB field	Width	Mandatory	Type	Definition
Account	account	-	Always	String	Account number
Description	description	255	Insertion	String	Account Description
Rule	account_rule	-	Insertion	Int32	Account rule ID
Group	account_grp	-	Insertion	String	Account group
Head office account	head_account	-	Never	String	Headquarter account based on parameter HEAD_ACCOUNT
Period from	period_from	6	Always	Int32	From period
Period to	period_to	6	Insertion	Int32	To period
Type	account_type	-	Insertion	String	Account type. #Values: GL - General Ledger AP - Accounts Payable AR - Accounts
Status	status	-	Insertion	String	Account Status

Retrieving data from Unit4 ERP

GCON4 MFL lets you retrieve existing data from Unit4 ERP and populate the information in the Excel template.

You can use this filter-based feature to populate data in the Excel templates easily and mass update data quickly. To do this, you only need to populate the information in the Excel template. Then, you can make any necessary changes and upload the modified data to UNIT4ERP. This feature can be used, for example, to copy information from client to client. This functionality can help to copy information from 1 client to another client, for example.

The screenshot shows the 'Generate Excel' window. At the top, there are tabs for 'Template', 'Generate PDF', and 'CSV Template example'. Below these is a 'Master file:' dropdown menu set to 'Account' and a 'C/U/R' indicator. The main area contains a table with the following data:

Masterfile sheet	Field	Operator	Value
Account	Account	Like	1*
Account	Rule	Equal	10

Below this table is a 'Relation' section with a table of field definitions:

Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Account	account	Account number
<input checked="" type="checkbox"/> Description	description	Account Description
<input checked="" type="checkbox"/> Rule	account_rule	Account rule ID
<input checked="" type="checkbox"/> Group	account_grp	Account group
<input type="checkbox"/> Head office account	head_account	Headquarter account based on parameter HEAD_ACCOUNT
<input checked="" type="checkbox"/> Period from	period_from	From period
<input checked="" type="checkbox"/> Period to	period_to	To period
<input checked="" type="checkbox"/> Type	account_type	Account type. #Values: GL - General Ledger AP - Accou...
<input checked="" type="checkbox"/> Status	status	Account Status

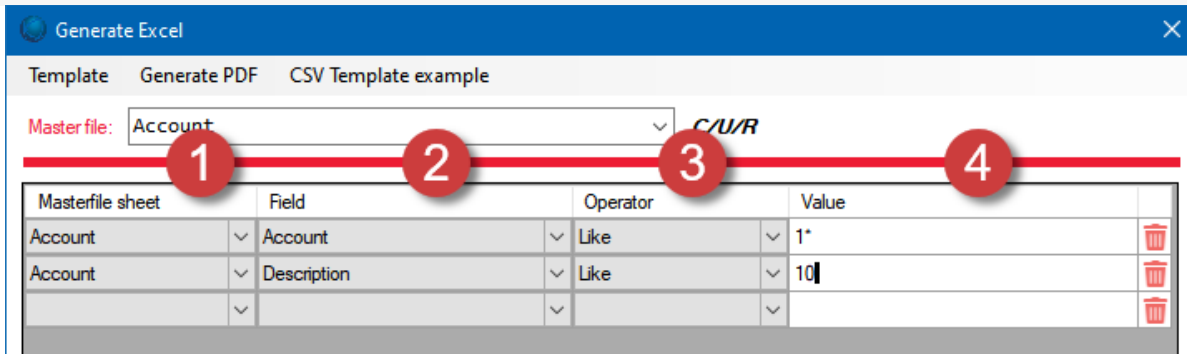
When filters are not used, the template will be extracted with no values:
Example of a template without values

Field Name	Account	Description	Rule	Group	Period from	Period to	Type	Status
Default Value	#NODEFAULT#				199401	209912		N
Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory	Mandatory/Optional	Mandatory/Optional	Man

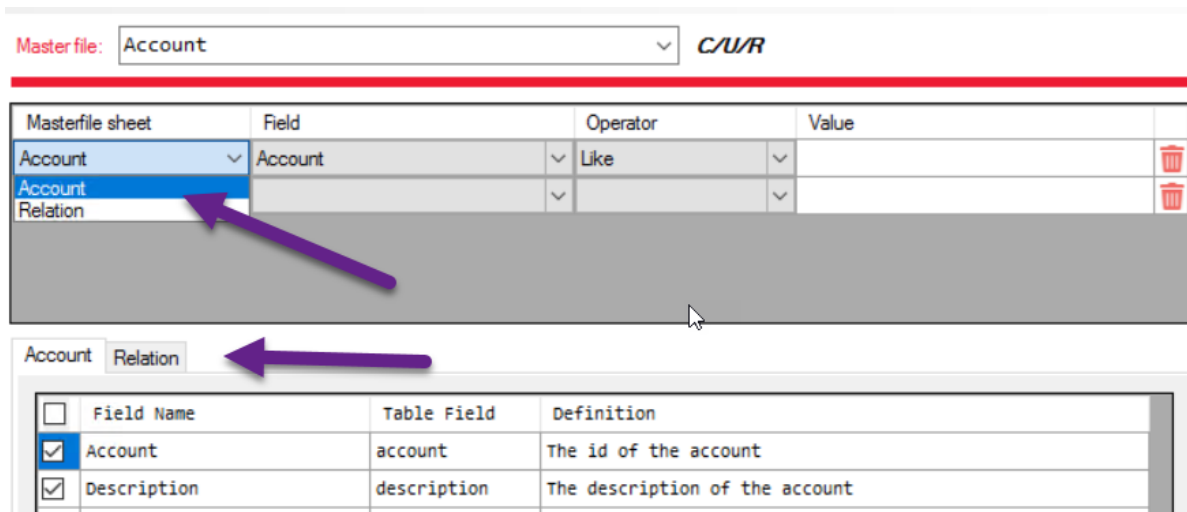
Example of a template with values

Field Name	Account	Description	Rule	Group	Period from	Period to	Type	Status
Default Value	#NODEFAULT#				199401	209912		N
Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory	Mandatory/Optional	Mandatory/Optional	Man
	1211	Accounts Receivable, In	10	121	199401	209912	AR	N
	1220	Accounts Receivable, Pe	10	121	199401	209912	AR	N
	1310	Outgoing VAT	10	130	199401	209912	GL	N
	1320	Ingoing VAT	10	130	199401	209912	GL	N
	1330	Investment Duty	10	130	199401	209912	GL	N
	1010	Cash dd	10	101	199401	209912	GL	N
	1030	Bank Deposits NOK	10	103	199401	209912	GL	N
	1032	Bank Deposits GBP	10	103	199401	209912	GL	N
	1033	Bank Deposits SEK	10	103	199401	209912	GL	N
	1035	Bank Deposits USD	10	103	199401	209912	GL	N
	1036	Bank Deposits, Tax Ded	10	103	199401	209912	GL	N
	1037	Bank Deposits, Long-Ter	10	103	199401	209912	GL	N
	1060	International Bank Depo	10	103	199300	209912	GL	N
	1070	Postal Deposits	10	107	199300	209912	GL	N

These filters are the search criteria that allow to obtain certain information of the master files IDs:



Master file sheet: In this drop-down selection, we will usually find the tabs of this template



Field: In this drop-down selection, we will usually find the fields of tab or master file sheet, previously selected.

Masterfile sheet	Field	Operator	Value
Account	Account	Like	

Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Account	account	The id of the account
<input checked="" type="checkbox"/> Description	description	The description of the account
<input checked="" type="checkbox"/> Rule	account_rule	The rule for given account
<input checked="" type="checkbox"/> Group	account_grp	The account group
<input type="checkbox"/> Head office account	head_account	The account of the head office based on parameter HEAD...
<input checked="" type="checkbox"/> Period from	period_from	The period from for this account
<input checked="" type="checkbox"/> Period to	period_to	The period to for this account
<input checked="" type="checkbox"/> Type	account_type	The account type
<input checked="" type="checkbox"/> Status	status	The status of this account

Operator: Operator used in the search criteria. Depending on the field type the drop-down options can be different.

Masterfile sheet	Field	Operator	Value
Account	Account	Like	

Value: Value or values for the selection or condition

Masterfile sheet	Field	Operator	Value
Account	Account	Like	11

The following table contains information about the common operators used for filtering data in GCON4 MFL:

Operator	No of values admitted	Characters admitted	Comments
Like	1 value	*%	
Not like	1 value	*%	
In list	1 or more than 1 value	,	Comma separated values “,” and no space
Not in list	1 or more than 1 value	,	Comma separated values “,” and no space
Empty	No value		
Not empty	No value		
Equal	1 value		
Not Equal	1 value		
Between	2 values	,	Comma separated values “,” and no space
Not Between	2 values	,	Comma separated values “,” and no space
Greater than	1 value		
Greater than or equal to	1 value		
Less than	1 value		
Less than or equal to	1 value		

In the below screenshots, there are examples of operators and values:

- Example of operator 'like' and a value with wildcard

Generate Excel

Template Generate PDF CSV Template example

Master file: *C/VR*

Masterfile sheet	Field	Operator	Value
Account	Account	Like	1*

(A red arrow points to the '1' value in the table above)*

Account Relation

<input type="checkbox"/> Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Account	account	The id of the account

Template results:

Field Name	Account	Description	Rule	Group	Period from	Period to	Type	Status
	1211	Accounts Receivable, In	10	121	199401	209912	AR	N
	1220	Accounts Receivable, Pe	10	121	199401	209912	AR	N
	1310	Outgoing VAT	10	130	199401	209912	GL	N
	1320	Ingoing VAT	10	130	199401	209912	GL	N
	1330	Investment Duty	10	130	199401	209912	GL	N
	1212	Accounts Receivable, Pr	119	121	199402	209912	AR	N
	1010	Cash dd	10	101	199401	209912	GL	N
	1030	Bank Deposits NOK	10	103	199401	209912	GL	N
	1032	Bank Deposits GBP	10	103	199401	209912	GL	N
	1033	Bank Deposits SEK	10	103	199401	209912	GL	N
	1035	Bank Deposits USD	10	103	199401	209912	GL	N
	1036	Bank Deposits, Tax Ded	10	103	199401	209912	GL	N
	1037	Bank Deposits, Long-Ter	10	103	199401	209912	GL	N
	1060	International Bank Depo	10	103	199300	209912	GL	N
	1070	Postal Deposits	10	107	199300	209912	GL	N
	1110	Shares In Domestic Con	10	111	199300	209912	GL	N
	1115	Shares in International	10	111	199300	209912	GL	N
	1120	Bonds	10	112	199300	209912	GL	N
	1140	Receivable Bills	10	114	199300	209912	GL	N
	1150	Loan Bills	10	115	199300	209912	GL	N
	1180	Other Securities	10	118	199300	209912	GL	N

(A red arrow points to the '1211' account number in the table above)

Example of operator 'like' and a value with percentage character

Masterfile: C/U/R

Masterfile sheet	Field	Operator	Value
Account	Account	Like	2%20
Account	Status	Like	N

Account Relation

Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Account	account	The id of the account

Template results:

Field Name	Account	Description	Rule	Group	Period from	Period to	Type	Status
	2220	Duty Deduction	10	220	199300	209912	AP	N
	2320	Ingoing VAT	10	230	199401	209912	GL	N
	2420	Debt Holiday Salary	10	240	199300	209912	GL	N
	2520	Payable Tax	10	250	199300	209912	GL	N
	2620	Debt to Employees	97	260	199401	209912	GL	N
	2720	Mortgage Loan	99	270	199300	209912	GL	N
	2820	Insaleable Goods	90	280	199300	209912	GL	N
	2920	Reserve Fund	90	290	199300	209912	GL	N

Example of operator 'In list'

Master file: *CUR*

Masterfile sheet	Field	Operator	Value
Account	Account	In list	1120,1140,1150

Field Name	Table Field	Definition
<input checked="" type="checkbox"/> Account	account	The id of the account

Template results:

Value	*#NODEFAULT#				199401	209912		N
ory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory	Mandatory/Optional	Mandatory/Optional	Man
ame	Account	Description	Rule	Group	Period from	Period to	Type	Stat
	1120	Bonds	10	112	199300	209912	GL	N
	1140	Receivable Bills	10	114	199300	209912	GL	N
	1150	Loan Bills	10	115	199300	209912	GL	N

Example of operator 'Equal'

Masterfile sheet	Field	Operator	Value
Account	Rule	Equal	10

Template results

Account	Description	Rule	Group	Period from	Period to
1211	Accounts Receivable, In	10	121	199401	209912
1220	Accounts Receivable, Pe	10	121	199401	209912
1310	Outgoing VAT	10	130	199401	209912
1320	Ingoing VAT	10	130	199401	209912
1330	Investment Duty	10	130	199401	209912
AR-1210-LONG	AR-Account-Long -----	10	121	199401	209912
2625	Swedish tax account	10	130	199401	209912
1010	Cash dd	10	101	199401	209912
1030	Bank Deposits NOK	10	103	199401	209912
1032	Bank Deposits GBP	10	103	199401	209912
1033	Bank Deposits SEK	10	103	199401	209912
1035	Bank Deposits USD	10	103	199401	209912
1036	Bank Deposits, Tax Ded	10	103	199401	209912
1037	Bank Deposits, Long-Te	10	103	199401	209912

Accepted Values | (+) | <

Example of operator 'Not Equal'

Master file: Account C/U/R

Masterfile sheet	Field	Operator	Value
Account	Rule	Not equal	10

Template results

Account name	Account	Description	Rule	Group	Period from	Period to	Type
	6844	Test value matrix order	135	680	201001	209912	GL
	X8080	Test Reminder	110	810	200001	201012	GL
	X8081	Test Debt	110	810	199901	209912	GL
	X8082	Test Write off	110	810	199901	209912	GL
	3016	Income service	125	300	199401	209912	GL
	3017	Income product	125	300	199401	209912	GL
	3018	Income expenses	125	300	199401	209912	GL
	6842	Fin electricity	134	680	199401	209912	GL
	6843	Fin Cleaning	134	680	199401	209912	GL
	6841	Swedish expenses	133	680	199401	209912	GL
	6840	Drinks	132	680	199401	209912	GL
	510050000500	HRMS long test account	113	510	199401	209912	GL
	EXPAND12XX12	expand GL Account XXX	114	EXPAND78	200000	199312	GL
	EXPAND00	expandX50Xa23456789	114	EXPAND00	200000	209912	GL

Example of operator 'Greater than'

Master file: *CUR*

Masterfile sheet	Field	Operator	Value
Account	Rule	Greater than	110

Template results

Account	Description	Rule	Group	Period from	Period to	Type
6844	Test value matrix order	135	680	201001	209912	GL
3016	Income service	125	300	199401	209912	GL
3017	Income product	125	300	199401	209912	GL
3018	Income expenses	125	300	199401	209912	GL
6842	Fin electricity	134	680	199401	209912	GL
6843	Fin Cleaning	134	680	199401	209912	GL
6841	Swedish expenses	133	680	199401	209912	GL
6840	Drinks	132	680	199401	209912	GL
510050000500	HRMS long test account	113	510	199401	209912	GL
EXPAND12XX12	expand GL Account XXX	114	EXPAND78	200000	199312	GL

Example of operator 'Less than'

Masterfile sheet	Field	Operator	Value
Account	Rule	Less than	10

Template results

*#NODEFAULT#	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	199401	209912	
Account	Description	Rule	Group	Period from	Period to	T
6210	Rent	1	620	199300	209912	G
4910	Project costs	2	490	199300	209912	G
4200	Purchase of services	2	400	199701	209912	G
4202	Purchase of computer s	2	400	199701	209912	G
4203	Purchase of services fro	2	400	199701	209912	G
4201	Purchase of consulancy	2	400	199701	209912	G

Example of operator 'Between'

Generate Excel ×

Template Generate PDF CSV Template example

Masterfile: C/U/R

Masterfile sheet	Field	Operator	Value	
Account	Rule	Between	20,30	🗑️
				🗑️

Template results

A	B	C	D	E	F	G	H	I
	6110	Electricity Production	20	610		199300	209912	GL
	6130	Fuel and Heating Oil, Pro	20	610		199300	209912	GL
	6180	Water, Production	20	610		199300	209912	GL
	6250	Electricity	20	620		199300	209912	GL
	6270	Cleaning	20	620		199300	209912	GL
	6290	Other Costs Premises	20	620		199300	209912	GL
	6300	Rent Operating Equipme	30	630		0	209912	GL
	6310	Rent Machinery	30	630		199300	209912	GL
	6320	Rent Fixture	30	630		199300	209912	GL
	6350	Rent Transport Equipme	30	630		199300	209912	GL
	6390	Other Rent Costs	30	630		199300	209912	GL
	6410	Purchase of Tools	30	640		199300	209912	GL
	6450	Purchase of Fixture/Too	30	640		199300	209912	GL
	6480	Purchase of Working Cl	30	640		199300	209912	GL
	6490	Purchase of Other Oper	30	640		199300	209912	GL
	6510	Maintenance Machinen	30	650		199300	209912	GL
	6520	Maintenance Tools	30	650		199300	209912	GL

Filter on Relation values

Now, MFL 6.0.3 can retrieve defined relational values (restricted to the operator *Like*)

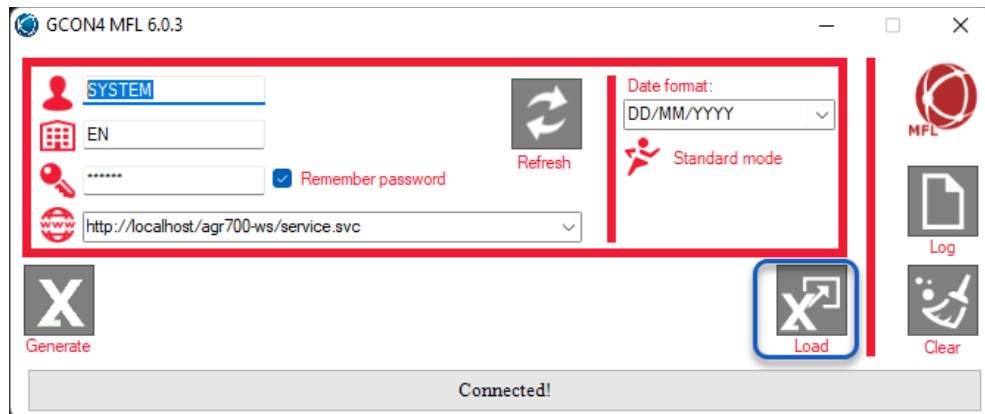
Master file: C/UR

Masterfile sheet	Field	Operator	Value
Personnel	Status	Like	N
Relation	Related Attribute	Like	COSTC

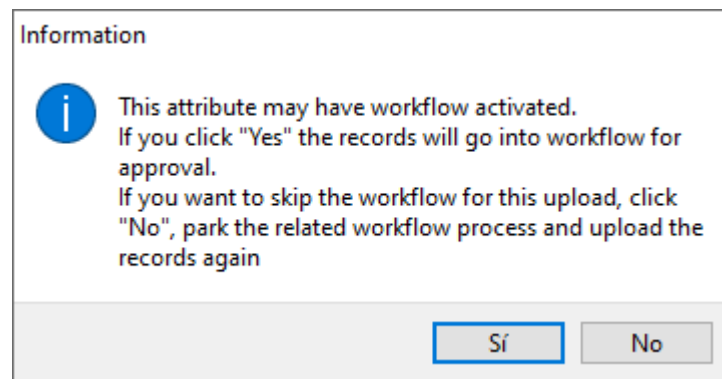
A	B	C	D	E	F	G	H
Default Value	*#NODEFAULT#*	*#NODEFAULT#*			31/12/2099	N	0
Mandatory	Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory
Field Name	Resource Id	Related Attribute	Relation Value	Date from	Date to	Status	Line number
	0001215	COSTC	100	01/01/2000	31/12/2021	N	0
	0001216	COSTC	100	01/01/2000	31/12/2021	N	0
	0001217	COSTC	100	01/01/2000	31/12/2021	N	0
	0001218	COSTC	100	01/01/2000	31/12/2021	N	0
	R-220	COSTC	100	01/01/2000	31/12/2099	N	0
	R-221	COSTC	210	01/01/2000	31/12/2099	N	0
	R-221	COSTC	115	01/01/2011	31/12/2099	N	1
	90080123	COSTC	100	01/01/2007	31/12/2099	N	0
	300	COSTC	330	01/01/2009	31/12/2099	N	0
	10031	COSTC	130	01/01/2010	31/12/2099	N	0
	5010	COSTC	500	01/01/2011	31/12/2020	N	0
	90080115	COSTC	100	18/01/2011	31/12/2099	N	0

Uploading the Excel template

The Load button (BLUE) allows you to select the Excel sheet that contains the data to be inserted/updated in the ERP.



If the attribute being uploaded is set in an active workflow, GCON4 MFL will display the following message:



If you want to insert the records and let them enter to workflow, click Yes.

If you do not want to include the records in the workflow, click No. You must then deactivate the workflow for the corresponding attribute, and finally re-load the Excel sheet.

Some highlights when you are updating data:

To build a template for updating existing records, there are different ways to proceed:

- Retrieving data from Unit4 ERP (template with data), and once the data is in the template, proceed to amend the required values, and upload it. The system will amend what has been changed in the template.
- Generating an empty template and start from scratch, adding the required values that amend the data.

Using one or other way, bear in mind the following:

- The master file Id of the main/first tab of all templates is ALWAYS mandatory.

	A	B	C	D	E	F
1	Default Value	*#NODEFAULT#*				
2	Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional
4	Field Name	Supplier Id	Supplier name	Supplier Group Id	Country Code	Language
5		11	Crow Music Ltd	1	VG	EN
6		12	Logic World Ltd	2	US	EN
7		13	Metaphysics Co.	1	GB	EN
8		14	Caribbean Blue Co.	2	PR	EN
9		15	Dingo Lux Ltd	1	US	EN

Remember the difference between:

- Mandatory field (mandatory for insert and update)
- Mandatory/optional field (mandatory for insert and optional for update)
- Optional field (optional for insert and update)

	A	B	C	D	E	F	G	H
	#NODEFAULT#							
	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional	Optional	Optional	Optional
	Supplier Id	Supplier name	Supplier Group Id	Country Code	Language	Head office	Sundry	Comp. reg. no

If you leave empty-blank a value in the template, GCON4MFL respects what it is already in the DB. If you want to delivery empty an existing value in the BD, use in the template the value <#EMPTY#>.



If there is some data in the tab that does not require to be updated, it can be kept with no changes. or the values can be removed, so the DB will respect what is in the DB. We do not recommend deleting any column or tab of the template.

If values are kept in the template, when GCON4MFL uploads them, they will be validated. If they are not kept in the template, GCON4MFL will not validate them.

New relations to existing master files IDs can be added in template, without the existing relations.



Autonumbering

GCON4 MFL allows to work with autonumbering set ups. That is the summary of examples how GCON4 MFL works in different autonumbering configurations.

MASTER FILE	Auto-Numbering	Manual	Status	MASTER FILE	Auto-Numbering	Manual	Status
	x	x	Active		x	x	Closed
Attribute	Autonumbering is applied			Attribute	Manual is applied		
Project	Autonumbering is applied			Project	Manual is applied		
Work order	Autonumbering is applied			Work order	Manual is applied		
Customer	Autonumbering is applied			Customer	Manual is applied		
Supplier	Autonumbering is applied			Supplier	Manual is applied		
Personnel	Autonumbering is applied			Personnel	Manual is applied		
MASTER FILE	Auto-Numbering	Manual	Status	MASTER FILE	Auto-Numbering	Manual	Status
	x		Active		x		Closed
Attribute	Autonumbering is applied			Attribute	Manual is applied		
Project	Autonumbering is applied			Project	Manual is applied		
Work order	Autonumbering is applied			Work order	Manual is applied		
Customer	Autonumbering is applied			Customer	Manual is applied		
Supplier	Autonumbering is applied			Supplier	Manual is applied		
Personnel	Autonumbering is applied			Personnel	Manual is applied		
MASTER FILE	Auto-Numbering	Manual	Status	MASTER FILE	Auto-Numbering	Manual	Status
		x	Active			x	Closed
Attribute	Manual is applied			Attribute	Manual is applied		
Project	Manual is applied			Project	Manual is applied		
Work order	Manual is applied			Work order	Manual is applied		
Customer	Manual is applied			Customer	Manual is applied		
Supplier	Manual is applied			Supplier	Manual is applied		
Personnel	Manual is applied			Personnel	Manual is applied		



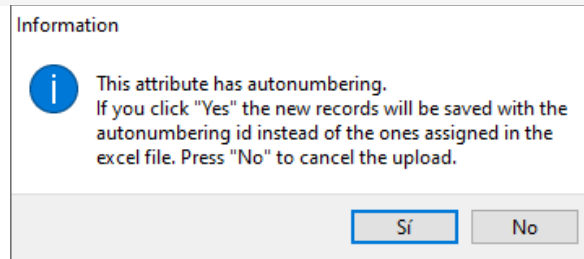
There are some important considerations:

- GCON4 MFL will always require an ID for manual or even autonumbering ID records. The explanation is that in the templates the records are related in the different tabs (main tab, address, relations, flexi fields....) through the ID we indicate in the template.
- If we have the following configuration:

Auto-Numbering	Manual	Status
x	x	Active

We cannot use the same GCON4 MFL insert-load template, for NEW records if we want some of them have manual Id generated and some others auto number automatic. We will need two different templates for these new records, one for autonumbering and another for manual, and we should arrange the configuration for each case. For instance, if we have this configuration in UNIT4ERP and we want to use manual ID generation, we should turn the auto number status to closed, load the information, and then turn it back to active, and load the auto numbered records.

- When we are using autonumbering, the best practice is to use in our GCON4 MFL template ID's that are not included in the range of the counter (and obviously that do not exist previously in the DB). For example, if we have an autonumbering configuration based in a counter with a range between 1000-2000, we can use in our template ID: 1, 2, 3 etc. for our records. These values for ID's are not already in UNIT4ERP (otherwise GCON4 MFL it would understand that we are updating the records), and they are also out of the range we are using in the counter, that will avoid subsequent conflicts.
- If the autonumbering is configured for the master file, the following message will always appear in the load process (insert and update). If you are inserting new records, then the system will use the autonumbering to assign the new Ids, if you are updating records, will proceed to update them.



If you want to proceed, click in Yes and if you want to cancel, press No.

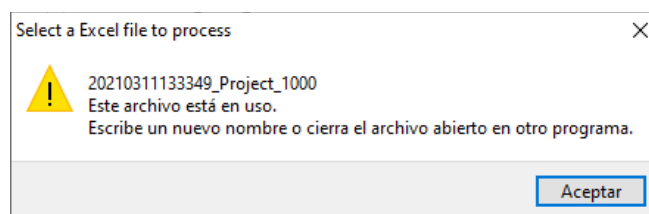
If workflow and autonumbering are both active, the message will include both situations, and you will have to say Yes or No to both together (yes to both, or, No to both)

Note: Specifically, when inserting assets with autonumbering, in the first load (when the asset is created) please keep the Id in every place that is required, but remove the value for the **analytic category 3**, that normally corresponds to the Ids of the asset itself. As the asset does not exist yet, if you keep the information in this field in the first insert, the system will try to find this value in the existing data and will show a message *"The system will automatically generate the Asset when you click Save"*, and the load will not go through.

	Z	AA	AB	AC
1				
2	Optional	Optional	Optional	Optional
4	Fixed cat 2	Cat 3	Value 3	Fixed cat 3
5				
6				
7				
8				
9				
10				

When using autonumbering, the original temporary ID used in templates will be updated in the template with the UNIT4ERP generated ID, once the records have been uploaded. *

Important: the file must be closed when loading it, otherwise a warning message will show up:



Example of using MFL with Auto-numbering

ID	PROJECT	Project ID
Master file	Project	No of chars 12 <input type="checkbox"/> Manual Status Active

	Type	Element	No from	No to	Next no	No of chars
1	Fixed	PJ	0	0	0	2
2	Separator	-	0	0	0	1
3	Counter		100	1000	100	4

ID for autonumbering

A	B	C	D	E
Default Value	*#NODEFAULT#*			
Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional
Field Name	Project	Project name	Project manager	Project type
	9000	9000	87010102	RD
	9001	9001	87010102	RD
	9002	9002	87010102	RD
	9003	9003	87010102	RD
	9004	9004	87010102	RD

Log detail:

5 rows successfully validated and uploaded

Batch 1 of 1 successfully loaded. Batch size: 100
Excel rows from: 5 to: 5

The original ID has been updated in the template for the ID generated by UNIT4ERP.

A ↓	B	C	D	E
Default Value	*#NODEFAULT#*			
Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Mandatory/Optional
Field Name	Project	Project name	Project manager	Project type
	PJ-120	9000	87010102	RD
	PJ-121	9001	87010102	RD
	PJ-122	9002	87010102	RD
	PJ-123	9003	87010102	RD
	PJ-124	9004	87010102	RD

*This feature only applies for GCON4 MFL desktop app.

Autonumbering and document archive

As it has been explained before in this document, GCON4 MFL templates can handle UNIT4ERP autonumbering and can include document archive. But what happens if you want to create a new record auto numbered and include in this insert template, the document archive? In this section it will be explained how to manage each case depending on the master file.

Usually, UNIT4ERP web does not allow to save a new master file and a document archive in a single step. It must be done in two different steps: for instance, step 1: save a new created customer and step 2, save a document archive attached to the customer. Following this behaviour, with GCON4 MFL it has been possible these 2 steps: create a new record auto numbered (insert load) and then upload the document archive (update load). But GCON4MFL is also able to do it in a single step, it means using the same template. However, depending on how the different master files are treated in UNIT4ERP web, it can be some differences between them.

There are a few considerations to mention here:

- When the option “Scope” is activated, it is not possible to upload document archive and you will get the following message “Scope must be disabled to insert data with document archive”

Errors:

Error thrown by the UBW service:

Error parsing batch 1 of 2. Batch size: 1

Excel rows from: 5 to 5

UBW Details:

Scope must be disabled in order to insert data with document archive

- In some master files such as “customer” and “supplier”, the “Scope” is required to be activated to use the autonumbering. Here the solution will be to enable the “Manual” checkbox in the autonumbering set-up.

Errors:

Error thrown by the UBW service:

Error parsing batch 1 of 2. Batch size: 1

Excel rows from: 5 to 5

UBW Details:

Autonumbering must be set to "manual" in order to insert data with document archive

EN Auto-numbering ×

New link Organise links

ID: SUPPLIER (dropdown) **Supplier ID** (text field)

Master file: SupplierID (dropdown) No of chars: 8 Manual: Status: Active (dropdown)

	Type	Element	No from	No to	Next no	No of chars
1	Counter		200000	300000	200150	6

- For “Asset” master file, it will be required the two-step process to create new records and attach document archive.

Situation and logs for different master files:

	Auto-numbering	Batch size	Scope	Log
APPLICANT	Y	1	N	X rows successfully validated and uploaded
APPLICANT	Y	1	Y	Scope must be disabled in order to insert data with document archive
APPLICANT	y	5000	N	Scope must be active or the batch size must be set to 1 in order to save with autonumbering
APPLICANT	y	5000	Y	Scope must be disabled in order to insert data with document archive

	Auto-numbering	Batch size	Scope	Log
ASSET	Y	1	N	It's not possible to insert data with document archive in a single step. Please proceed with two steps: insert records without doc archive and update records with doc archive
ASSET	Y	1	Y	Scope must be active in order to save with autonumbering
ASSET	y	5000	N	Scope must be disabled in order to insert data with document archive
ASSET	y	5000	Y	Scope must be active in order to save with autonumbering

	Auto-numbering	Batch size	Scope	Log
COURSE	Y	1	N	X rows successfully validated and uploaded
COURSE	Y	1	Y	Scope must be disabled in order to insert data with document archive
COURSE	y	5000	N	Scope must be active or the batch size must be set to 1 in order to save with autonumbering
COURSE	y	5000	Y	Scope must be disabled in order to insert data with document archive

	Auto-numbering	Batch size	Scope	Log
CUSTOMER	Y	1	N	Autonumber must be set to "manual" in order to insert data with document archive



CUSTOMER	Y	1	Y	Scope must be disabled in order to insert data with document archive
CUSTOMER	y	5000	N	Scope must be active or the batch size must be set to 1 in order to save with autonumbering
CUSTOMER	y	5000	Y	Scope must be disabled in order to insert data with document archive

	Auto-numbering	Batch size	Scope	Log
SUPPLIER	Y	1	N	Autonumber must be set to "manual" in order to insert data with document archive
SUPPLIER	Y	1	Y	Scope must be disabled in order to insert data with document archive
SUPPLIER	y	5000	N	Scope must be active or the batch size must be set to 1 in order to save with autonumbering
SUPPLIER	y	5000	Y	Scope must be disabled in order to insert data with document archive

	Auto-numbering	Batch size	Scope	Log
PERSONNEL	Y	1	N	1 row successfully validated and uploaded
PERSONNEL	Y	1	Y	Scope must be deactivated in order to insert with autonumbering
PERSONNEL	y	100	N	1 rows successfully validated and uploaded
PERSONNEL	y	100	Y	Scope must be deactivated in order to insert with autonumbering

	Auto-numbering	Batch size	Scope	Log
PROJECT	Y	1	N	Batch 1 of 1 successfully loaded. Batch size: 1
PROJECT	Y	1	Y	Scope must be disabled in order to insert data with document archive
PROJECT	y	1000	N	Batch 1 of 1 successfully loaded. Batch size: 1000
PROJECT	y	5000	Y	Scope must be disabled in order to insert data with document archive



	Auto-numbering	Batch size	Scope	Log
WO	Y	1	N	Batch 1 of 1 successfully loaded. Batch size: 1
WO	Y	1	Y	Scope must be disabled in order to insert data with document archive
WO	y	5000	N	Batch 1 of 1 successfully loaded. Batch size: 5000
WO	y	5000	Y	Scope must be disabled in order to insert data with document archive

Remember that you can always use the two-step load instead.

Access to a Specific Masterfile

GCON4 MFL 6.0.3 is compatible with the user accesses and permissions defined in UNIT4ERP for each specific master file. This means in GCON4 MFL version 6.0.3, users will only be entitled to perform the operations allowed for their user in UNIT4ERP.

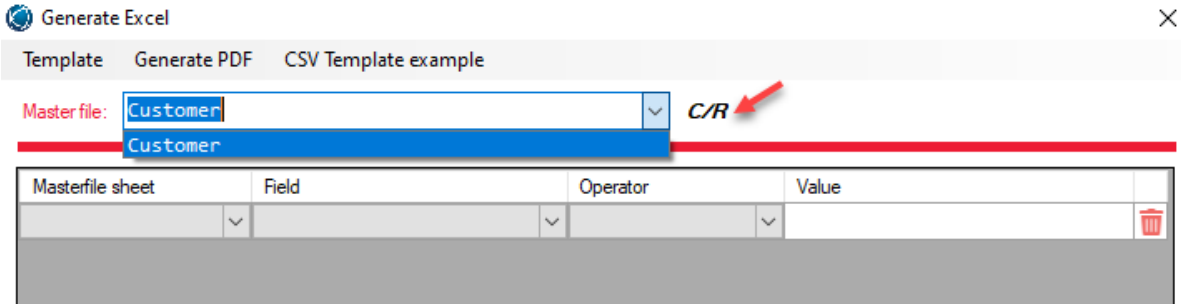
Since deletion operations cannot be performed by GCON4 MFL, the Access\Permission type attribute “D” will be ignored. In the example given below, the user cannot perform updates on the Customer master file, regardless the Load Type permission indicated in the GCON4 MFL settings.

The screenshot shows the GCON4 MFL interface with the following elements:

- Navigation tabs: 1 - Desktop, 2 - Web, 3 - Web services, 4 - Reports
- Role/user filter: Client (Show all), Role/user (Role), Roles/users (Restricted role for MFL test)
- Selected item: Customer
- Menu table with columns C, R, U, D

Menu	C	R	U	D
Root				
MFL Services				
MFL Main service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Masterfiles				
Account	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Applicant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Asset	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Attribute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Balance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Balance/Rate value references	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer pay recipient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exchange rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

As the only master file that this user has access to in UNIT4ERP is Customer, when they select the dropdown list of the master files available, the only master file displayed is Customer, together with the permissions for that specific master file in UNIT4ERP: (Remember, deletion permissions are always ignored by GCON4 MFL)



** Note 1: The dropdown list will only display those master file(s) for which the user has any kind of access/permissions. Bear in mind that GCON4 MFL 6 will consider both, user + role accesses, for the user.

** Note 2: Deletion operations cannot be performed by GCON4 MFL; hence, this is not shown as a possible option for the user.

** Note 3: The permission given in UNIT4ERP to read “R” will allow the user to retrieve data from UNIT4ERP in GCON4 MFL or not.

After completing the Excel sheet with the rows to insert and the rows to update and uploading the Excel in the usual manner, a log file is generated that indicates the permissions for the user. Where the user lacks the appropriate permission to perform an operation, the log indicates the rows that have been ignored.

```
GCON4 MFL 6.0.0.20050
Service version: 6.0.0.21030
Client: EN
User: MFLRES
Mode: STANDARD
Max help tab items: 50000
Network slice: 30000
Max mem items: 150000
BatchSizes: Account (1000, Scope: N) Applicant (1000, Scope: N) Asset (1000, Scope: N) Attribute (1000, Scope: N) Balance (1000, Scope: N) BalanceValueReference (1000, Scope: N) Course (1000, Scope: N) Supplier (1000, Scope: N) SupplierGroup (1000, Scope: N) SupplierFactor (1000, Scope: N) TrainingNeed (1000, Scope: N) User (1000, Scope: N) WorkOrder (1, Scope: N) WorkSched
Load start: 24 mar. 2021 16:07:50
Load end: 24 mar. 2021 16:08:03
Parsed file: C:\Users\PC-81645\OneDrive - Gcon4 Spain SL\Documents\MFL\Templates\20210317105322_Customer_EN.xlsx
```

.....

*WARNING: The user: MFLRES, has C/R rights for the masterfile Customer. The update rows will be ignored.

.....

**Technical note: In the tables “asystitle*” (asystitlen, asystitleses, asystitlesfr, asystitlesru...), the values from -9000 to -9999 are kept/reserved for GCON4MFL



QBF - asystitlesen ×

Setup Template Vertical view Delete all Copy from shadow table Copy to shadow table New window

	Flag	Title	Title No
1753	B	Field Conversion Values	9508
1754	B	Award type	9509
1755	B	Attribute column	9510
1756	B	Alt. place	9511
1757	B	Text prior to line	9513
1758	B	Benchmark data details	9520
1759	B	Edit rules	9521
1760	B	Remark values (format "code#value")	9522
1761	B	Module size period 5	9523
1762	B	Create a purchase order direct delivery	9524
1763	B	Show purchase prices after price selection	9525
1764	B	TT incoming inv. post.	9529
1765	B	Major source of funding code	9532
1766	B	Indicator type	9534
1767	B	Selection sales order line	9535
1768	B	Please enter a valid kit product.	9541
1769	B	Sales per day	9542
1770	B	Effective date	9544
1771	B	Import employees from Unit 4 Salaris	9545
1772	B	End date	9549
1773	B	Value lookup - Evaluation version	9551
1774	B	High value transfer	9553
1775	B	Street delivery address	9554
1776	B	Recalculate reimbursement	9557
1777	B	Invoice proposal detail	9559
1778	B	Travel Payments	9560
1779	B	Stock valuation method	9562
1780	B	Convert. date	9563
1781	B	AgrSu08De.ChgStat;su08	9565



Posting Transactions

GCON4 MFL contains a feature to upload GL, AP and AR transactions using the GL07 server process in UNIT4ERP.

A GL07 variant should be created first. Then, with the Excel sheet generated by GCON4 MFL, the information populated in the Excel sheet can be uploaded through the previously created GL07 variant.

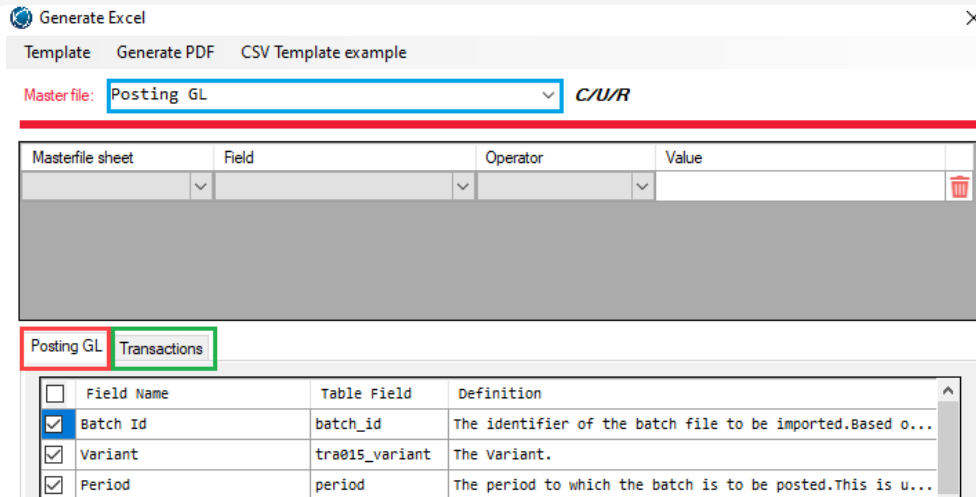
There are two levels of control that are performed when posting transactions into Unit4 Business World using GCON4 MFL:

- Level 1: The most common errors are checked before the information is sent to the GL07 process. This includes warning about fixed values in account rules, un-balanced amounts, periods, etc., which need to be correct, otherwise, an error will be returned by the tool. Error logs are very easy to read and understand at this stage and corrections can be made easily.
- Level 2: Once the first level has been successfully performed, the information in the Excel sheet is sent to the GL07 process and normal Unit4 validations are done at this stage.

*Please see the detailed explanation of the *skip account rule validation* option, below.

You **should create a GL07 variant first**. This is optional, but highly recommended. Then log into GCON4 MFL and select the type of master file you want to upload, for example, "Posting GL".

Select "Posting GL" in the dropdown list.



Posting GL tab: All the fields related to the GL07 variant can be found within this tab.

Transactions tab: All the fields related to transactions can be found within this tab.

In the Excel sheet there is a field called **“Sequence No.”**. This field contains a correlative number regardless the voucher no.

The Excel template is only generated with the selected fields. When you have checked all the fields required in both tabs, click on **Generate**.

GCON4 MFL will create an Excel sheet with both tabs.

Important: The “Posting GL” sheet contains the “Variant” field where you must enter the ID of the GL07 variant created in Unit4 Business World to upload GL transactions into UNIT4ERP.

	A	B	C	D	E
Server queue	1 Default Value	100	*#NODEFAULT#*		BI
Client	2 Mandatory	Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional
	4 Field Name	Variant	Batch Id	Period	Interface
	5	100	BI201607	201212	

The values in the Posting sheet override the values from the variant.

Enter all the desired values in the Excel sheet and then click Load.

Once loading starts, the two levels of control previously mentioned are performed. Various messages will be returned by GCON4 MFL as appropriate.

For example, for WARNINGS:



GCON4 MFL 6.0.0.20050
 Service version: 6.0.0.21030
 Client: EN
 User: MFL
 Mode: STANDARD
 Max help tab items: 50000
 Network slice: 30000
 Max mem items: 150000
 BatchSizes: Account (1000, Scope: N) Applicant (1000, Scope: N) Asset (1000, Scope: N) Attribute (1000, Scope: N) Balance (1000, Scope: N) BalanceValueReference
 GoodsReceived (1, Scope: N) PaymentAndDeduction (1, Scope: N) PaymentDispatch (1000, Scope: N) PayScale (1, Scope: N) Personnel (100, Scope: N) PersonnelCost
 Load start: 24 mar. 2021 10:02:06
 Load end: 24 mar. 2021 10:02:15
 Parsed file: C:\MFL\Templates\20210324092924_Posting GL_test_6.0.0.xlsx

1 rows successfully validated and uploaded

Transaction SeqNo: 3. WARNING: No value defined for mandatory Dim1 (COSTC). Default value will be used if defined in the rule
 Transaction SeqNo: 4. WARNING: No value defined for mandatory Dim1 (COSTC). Default value will be used if defined in the rule
 Transaction SeqNo: 5. WARNING: No value defined for mandatory Dim1 (COSTC). Default value will be used if defined in the rule
 GL07 Order number: 41
 SUCCESSFULLY UPLOADED ID: 22,

Or ERRORS:

GCON4 MFL 6.0.0.20050
 Service version: 6.0.0.21030
 Client: EN
 User: MFL
 Mode: STANDARD
 Max help tab items: 50000
 Network slice: 30000
 Max mem items: 150000
 BatchSizes: Account (1000, Scope: N) Applicant (1000, Scope: N) Asset (1000, Scope: N) Attribute (1000, Scope: N) Balance (1000, Scope: N)
 Scope: N) Supplier (1000, Scope: N) SupplierGroup (1000, Scope: N) SupplierFactor (1000, Scope: N) TrainingNeed (1000, Scope: N)
 Load start: 24 mar. 2021 10:00:07
 Load end: 24 mar. 2021 10:00:16
 Parsed file: C:\MFL\Templates\20210324092925_Posting GL_test_6.0.0.xlsx

Transaction SeqNo: 3. WARNING: No value defined for mandatory Dim1 (COSTC). Default value will be used if defined in the rule
 Transaction SeqNo: 4. WARNING: No value defined for mandatory Dim1 (COSTC). Default value will be used if defined in the rule
 Transaction SeqNo: 5. WARNING: No value defined for mandatory Dim1 (COSTC). Default value will be used if defined in the rule

Errors:

Transaction SeqNo: 1. Dim7 (NO ATTRIBUTE does not accept values
 Transaction SeqNo: 2. Dim7 (No ATTRIBUTE) does not accept values

Note: GCON4 MFL follows the way that the standard GL07 treats the field "Order Id". If this field is informed, the value will be upload in UNIT4ERP into the transaction tables, but it will not be linked to the Order.

Skip Account Rule validation

This option was included due to critical errors during upload when in the Unit4 ERP setup we have defined:

- Validation on relations in the Account rule

- Value Matrix

Example:

Accounts

EN Chart of accounts x										
Analyzer Setup Template Rule Relation Text Company										
New link Organise links										
	Account	Description	Rule	Group	Head.acc	Period from	Period to	Type	Status	Updated
?								GL		
1	665012069	test account	A001- COSTC (M) Only	101		199401	209912	GL	N	2021-09-22
2	665012070	val matrix acc	A002- COSTC (M) LEGENTITY (Value Matrix) M	101		199401	209912	GL	N	2021-12-18

Account rule Setup

EN Account rules x							
Company							
New link Organise links							
Rule	A001- COSTC (M) Only			143	Status Active		
	Field	Attribute	User input	Value matrix	Default	Relation	Control
0	Account	ACCOUNT					<input type="checkbox"/>
1	Category 1	COSTC	Mandatory			ACCOUNT	<input type="checkbox"/>
2	Category 2		Fixed				<input type="checkbox"/>
3	Category 3		Fixed				<input type="checkbox"/>
4	Category 4		Fixed				<input type="checkbox"/>
5	Category 5		Fixed				<input type="checkbox"/>
6	Category 6		Fixed				<input type="checkbox"/>
7	Category 7	LEGENTITY	Optional				<input type="checkbox"/>
	Currency	CURRENCY	Mandatory		GBP		<input type="checkbox"/>
	Tax code	TAXCODE	Fixed		0		<input type="checkbox"/>
	Tax system	TAXCAT	Optional				<input type="checkbox"/>

Amount	Mandatory	Daily rates
Amount3		Euro rates
Value	<input type="text"/>	<input type="checkbox"/> Debit/Credit
Number	<input type="text"/>	<input type="checkbox"/> Template
Text	<input type="checkbox"/> Text	Normal

Account rules ×

Company

New link Organise links

Rule: A002- COSTC (M) LEGENTITY (Value Matrix) N 144 Status: Active

	Field	Attribute	User input	Value matrix	Default	Relation	Control
0	Account	ACCOUNT					<input type="checkbox"/>
1	Category 1	COSTC	Mandatory				<input type="checkbox"/>
2	Category 2		Fixed				<input type="checkbox"/>
3	Category 3		Fixed				<input type="checkbox"/>
4	Category 4		Fixed				<input type="checkbox"/>
5	Category 5		Fixed				<input type="checkbox"/>
6	Category 6		Fixed				<input type="checkbox"/>
7	Category 7	LEGENTITY	Mandatory	GL07 MFL test			<input type="checkbox"/>
	Currency	CURRENCY	Mandatory		GBP		<input type="checkbox"/>
	Tax code	TAXCODE	Fixed		0		<input type="checkbox"/>
	Tax system	TAXCAT	Optional				<input type="checkbox"/>

Amount: Mandatory | Daily rates: | Euro rates: | Value: | Debit/Credit: | Normal: | Number: | Template: | Text: |

Posting GL Template

Field Name	Batch Id	SequenceNo	Voucher type	Transaction type	Period	Account	Dim 1	Dim 2	Dim 3	Dim 4	Dim 5	Dim 6	Dim 7	Tax code	Currency	Debit	Credit	Current Amount	Amount
	1000110	1	GL	GL	202112	665012069	1170241002								GBP	-1	-50000	-50000	
	1000110	2	GL	GL	202112	1032		1200							GBP	1	50000	50000	
	1000110	3	GL	GL	202112	665012070	1170241001						3000		GBP	-1	-25000	-25000	
	1000110	4	GL	GL	202112	1032		1100							GBP	1	25000	25000	

We are telling the MFL the expected results based on our setup.

Switch ON the Skip account rule parameter + Skip attribute validation in the Settings window:

- Refresh before saving
- Refresh after saving
- Validate transaction amount
- Continue on error
- Allow empty CSV fields
- Detailed log
- Allow RESTYP history load
- Use compression
- Skip account rule validation
- Skip attribute validation
- Transactions: Stop when Warning

The skip account rule validation will let only the GL07 make the relevant validations, since MFL does not support some configuration cases, like the shown above.



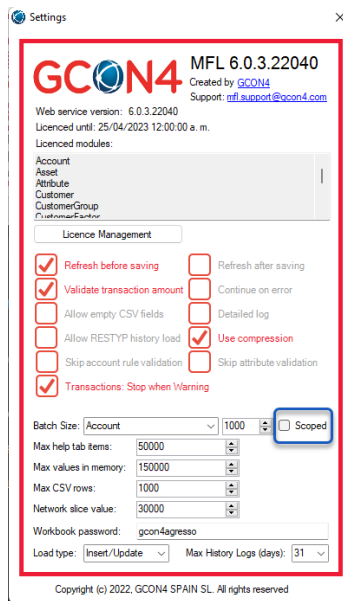
Once the file is loaded, the result is the following:

General Ledger transactions x																						
Analyzer Setup Template Show workflow map Log book																						
New link Organise links																						
	T	TT	TransNo	#	Trans.date	Period	Account	Cat1	Cat2	Cat7	TC	Amount	Debit Amount	Credit Amount	BatchID	Cur	Curr. amount	Debit Curr. amount	Credit Curr. amount	Value	Valuedate	Year
1	B	GL	19054489	0	2021-12-18	202112	665012069	1170241002			0	-50,000.00	0.00	50,000.00	530	GBP	-50,000.00	0.00	50,000.00	0.00	2021-12-18	2021
2	B	GL	19054489	1	2021-12-18	202112	1032		1200		0	50,000.00	50,000.00	0.00	530	GBP	50,000.00	50,000.00	0.00	0.00	2021-12-18	2021
3	B	GL	19054489	2	2021-12-18	202112	665012070	1170241001		3000	0	-25,000.00	0.00	25,000.00	530	GBP	-25,000.00	0.00	25,000.00	0.00	2021-12-18	2021
4	B	GL	19054489	3	2021-12-18	202112	1032		1100		0	25,000.00	25,000.00	0.00	530	GBP	25,000.00	25,000.00	0.00	0.00	2021-12-18	2021
												0.00	75,000.00	75,000.00			0.00	75,000.00	75,000.00	0.00		

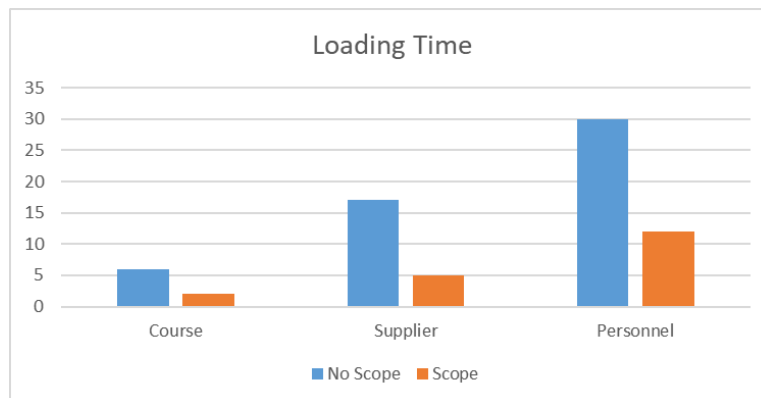
Running GCON4 MFL using the Scope function

The Scope function speeds up data uploading into UNIT4ERP; however, this method increases system resource usage (RAM memory) significantly. This function is recommended when you need to reduce the upload time by sacrificing system resources.

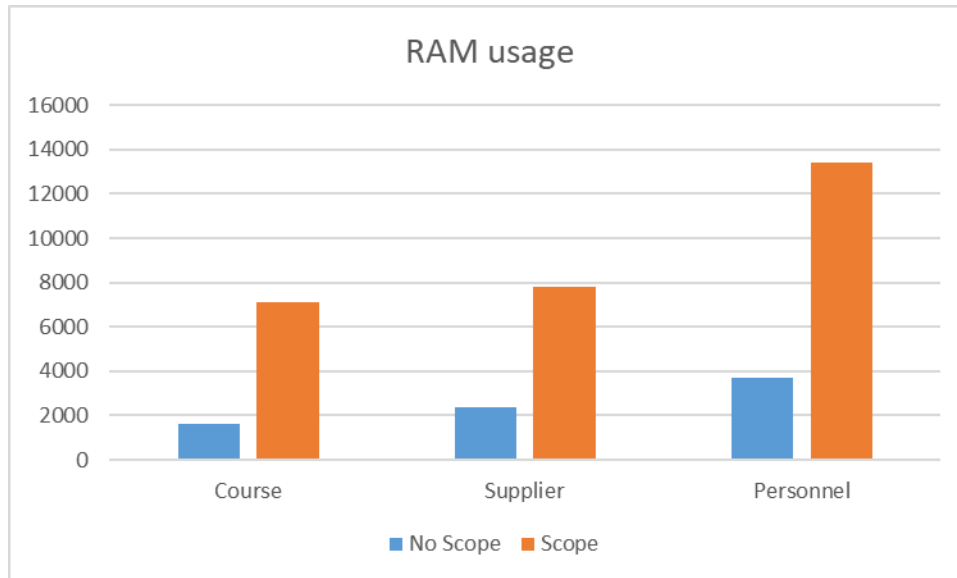
Activate or deactivate the Scope function in the Settings screen



The figures below illustrate the improvement in performance achieved and the RAM usage by activating the Scope function.



Load time (in minutes) for 5000 records from 3 master files, enabling or disabling the Scope function



RAM usage (in Mbytes) for 5000 records from 3 master files, enabling or disabling the Scope function.

Company Links compatibility

In previous versions of GCON4 MFL it was not possible to use the tool when we have set up a new company, (example company 10) and wish to connect this company to the supplier and customer Masterfile shared with another company (EN).

10 Company information ×		
Company Users		
New link Organise links		
1 - Company 2 - Address 3 - Setup 4 - Links 5 - Accounts 6 - Currency 7 - VAT		
Company	10	Test company 10 (for multiclient)
Remitt company	EN	Agresso Demo Ltd
Leg.act.company	EN	Agresso Demo Ltd
Head office	10	Test company multiclient
Curr. company	EN	Agresso Demo Ltd

The following dialog box was shown when extracting a Suppliers template or when loading the file:



We can upload and maintain SUPPLIERS and CUSTOMERS from the Head Office. For Suppliers, we can retrieve from the client 10 the supplier groups shared with client EN, any modification saved on 10 will also apply for EN and vice versa.

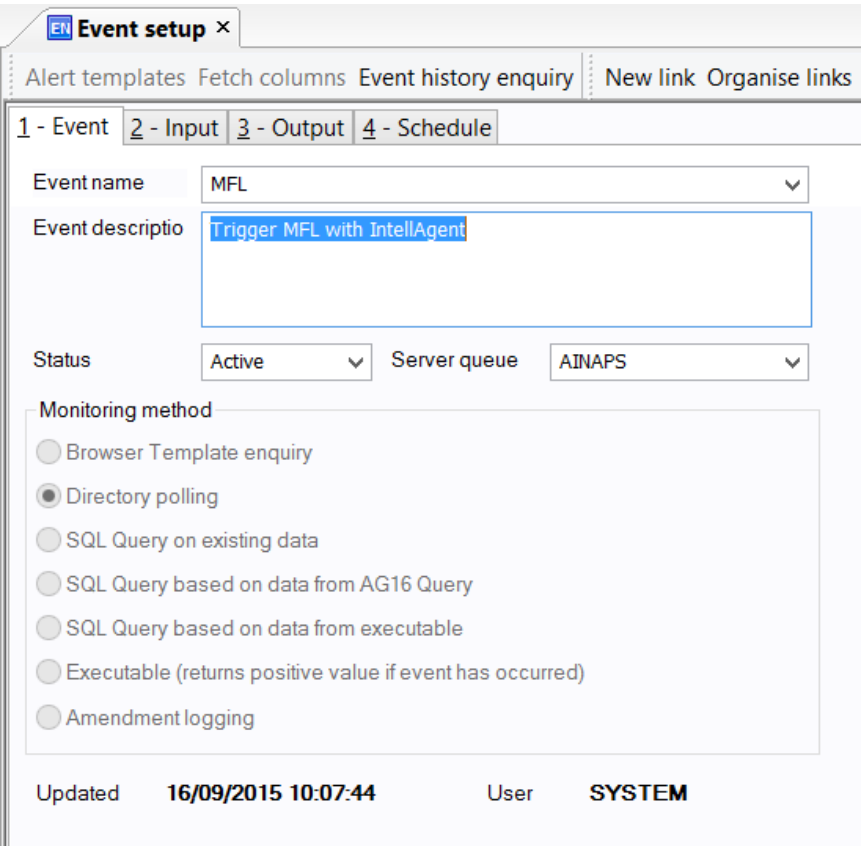
*Note: Relations are maintained per client, in this case the relations must be entered directly in the Remitt and Leg.act.company.

When uploading Personnel information to company 10 we also faced the error that SUPPGRP was not available due to the link to company EN. This issue is now solved.

Running MFL from different sources

Run GCON4 MFL from IntelliAgent

GCON4 MFL 6.0.3 can be launched using UNIT4ERP IntelliAgent. Configure IntelliAgent to pick up .xlsx files in the Data Import folder and send those files to GCON4 MFL to be uploaded.

Step	Description
Event	<p>Set Directory polling event option, in the event tab</p> 
Input Tab	<p>In the Input tab, enter the Data Import folder as the polling directory and enter the value *.xlsx in the filename selection criteria.</p>

The screenshot shows the 'Event setup' dialog with the 'Input' tab selected. The 'Event name' is 'MFL'. The 'Polling directory' is 'C:\Program Files (x86)\Agresso 5.7.1\Data Files\agrdemo571\Data Import'. Under 'Selection criteria', 'Filename' is checked with '*.xls'. Under 'Extraction criteria', 'Agresso format' is selected.

Output tab

In the Output tab, enter the following data:

Path: Absolute path to the MFLUpdater.exe in quotation marks, e.g., "C:\MFL\MFL.exe"

Parameters: GCON4 MFL parameters. For more information, please query GCON4 MFL from the command line. E.g., /u:"MFL" /c:"EN" /p:"mfl" /w:"http://localhost/700-ws/service.svc" /d:"DDMMYYYY" /f: [Directory] [File name] /l: C:\Logs_MFL

The screenshot shows the 'Event setup' dialog with the 'Output' tab selected. The 'Event name' is 'MFL'. Below the 'Alerts' table, 'Aggregate output to each recipient' is checked. The 'System tasks' table is as follows:

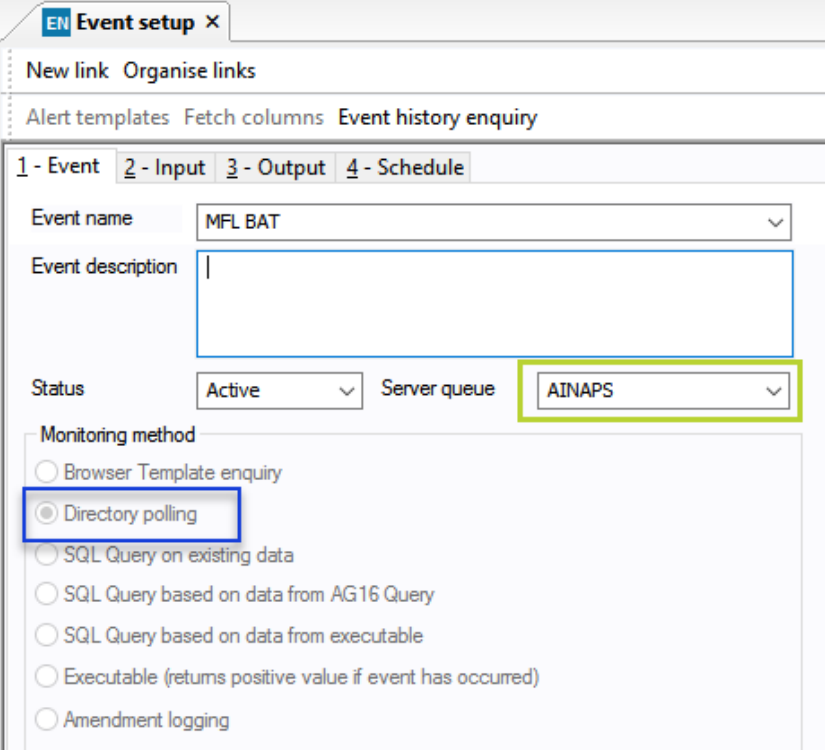
Task type	Specifications
External executable/command	"C:/MFL/MFL.exe /u:MFL /c:EN /p:mfl /w:http://localhost/571-ws/service.svc

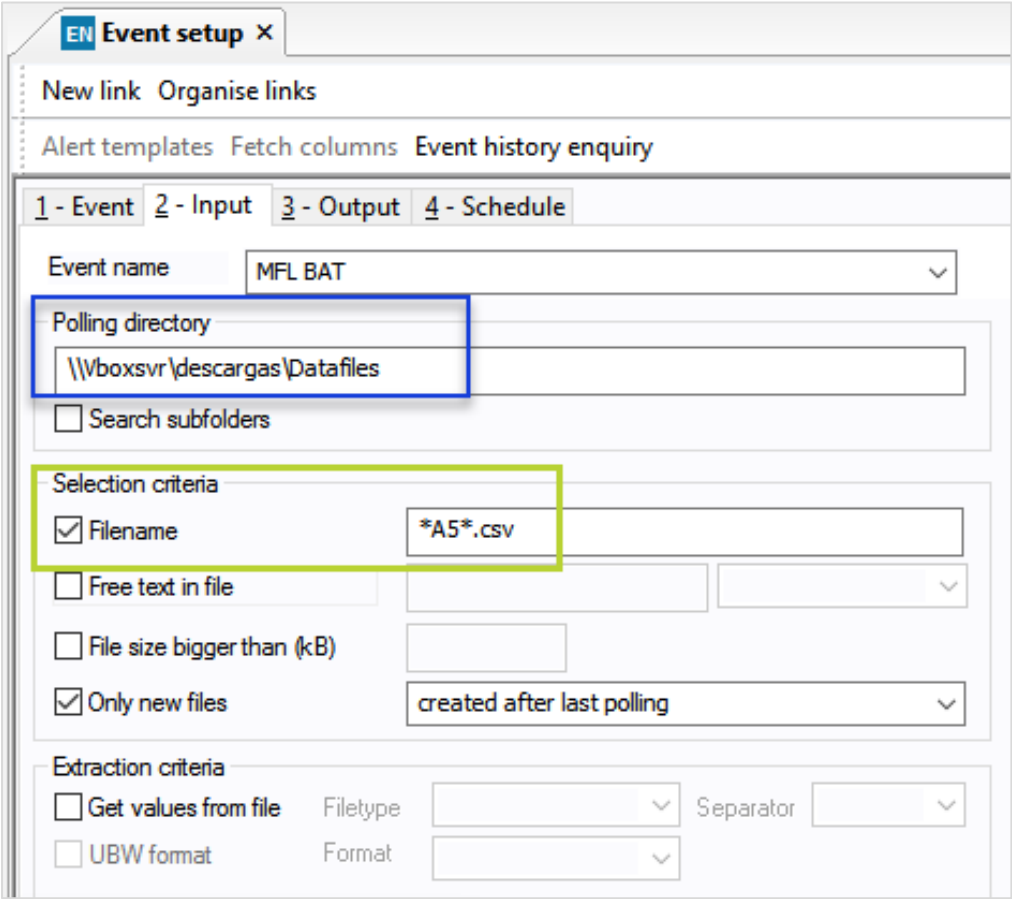
	<p>Path <input type="text" value="C:\MFL\MFL.exe"/></p> <p>Parameters <input 571-ws="" c:"en"="" localhost="" mfl"="" p:"mfl"="" s"="" type="text" value="/u:" w:"http:=""/></p> <p>Tags from the Input tab <input type="text" value="[Date created]
[Date modified]
[Directory]
[File name]
[File size]"/></p>
<p>Schedule tab</p>	<p>In the Schedule tab, set up the date and time at which you want to activate the event.</p>

Automatic upload interface using a .csv file

One of the key benefits of CSV files is that they can be used to develop automatic interfaces. To illustrate this use case, an automatic upload interface will be created for suppliers using IntelliAgent.

To do this, these are the steps to follow:

Step	Description
New .bat file	<p>Create a new .bat file containing the following lines:</p> <pre>cd [path of your MFL folder] mfl.exe /u:%1 /c:%2 /p:%3 /w:%4 /d:%5 /f:%6 /l:%7</pre> <p>Save this .bat file in C:\Program Files (x86)\UNIT4 Business World On! (v7)\Bin</p>
New Event	<p>In the Event setup tab, create a new event by entering a name and the server queue (GREEN) and select Directory polling (BLUE) in the Monitoring method field.</p>  <p>The screenshot shows the 'Event setup' window with the following configuration:</p> <ul style="list-style-type: none"> Event name: MFL BAT Event description: (empty) Status: Active Server queue: AINAPS Monitoring method: Directory polling

<p>Input Tab</p>	<p>In the Input tab, enter the path where the files will be copied (BLUE). The process will only get the main CSV (*.csv), as illustrated in the next image (GREEN). If the idea is to get a specific master file or attribute, the attribute ID must be indicated: *[Attribute ID of the master file] *.csv. In this case, the Supplier attribute is A5.</p> 
<p>Output tab</p>	<p>In the Output tab, click Task type and select External executable/command. (BLUE)</p>

EN **Event setup** ×

New link Organise links

Alert templates Fetch columns Event history enquiry

1 - Event
2 - Input
3 - Output
4 - Schedule

Event name MFL BAT

Alerts

Recipient	Type	Addr.type	Destination	Template	Active	Allow OFF
▼					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>

Aggregate output to each recipient
 Allow recipient to switch off all alerts

System tasks

Task type	Specifications
External executable/command	"C:\Program Files (x86)\UNIT4 Business World On! (

Path (BLUE): "C:\Program Files (x86)\UNIT4 Business World On! (v7)\Bin\test.bat"

The path of the .bat created initially.

Parameters (GREEN):

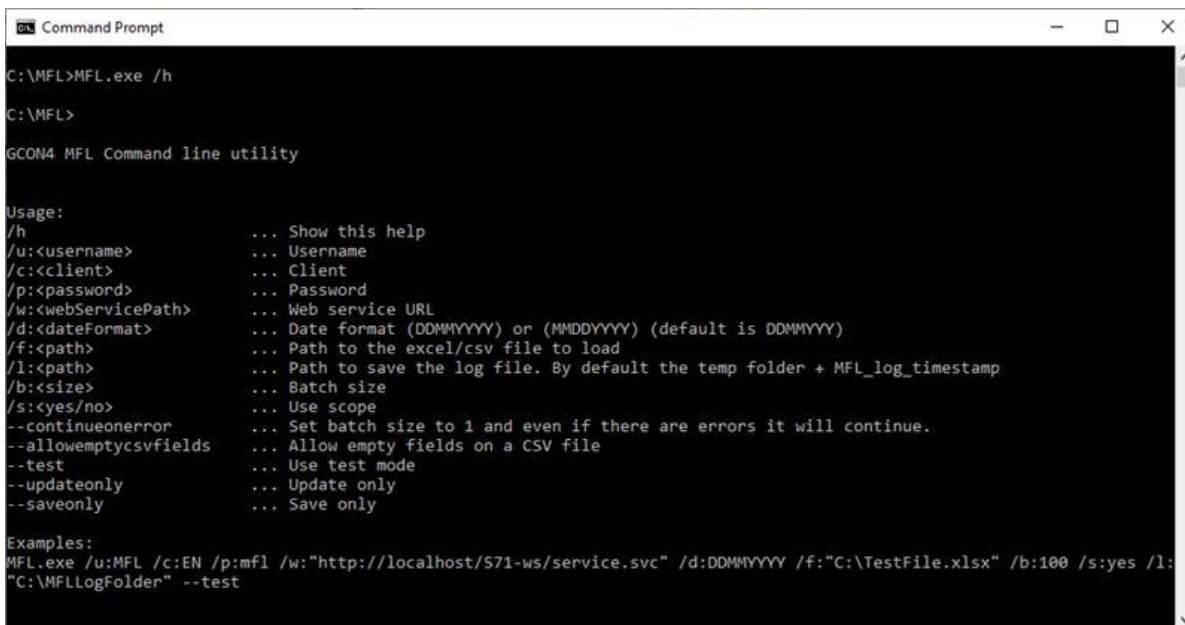
Userid: mfl
 Client: en
 Password: mfl
 Webservice url : http://localhost/agr700-ws/service.svc
 Date: YYYYMMDD
 File directory: "[Directory] [File name]"
 Logs Directory: C:\Logs_MFL

<p>Schedule tab</p>	<p>In the Schedule tab, set up the date and time at which you want to activate the event.</p>

Running GCON4 MFL using command line

GCON4 MFL 6.0.3 can be launched in command line mode.

To do this, enter ***MFL.exe /h*** in a CMD window in the folder where GCON4 MFL 6.0.3 is located.



```

Command Prompt
C:\MFL>MFL.exe /h
C:\MFL>
GCON4 MFL Command line utility

Usage:
/h                ... Show this help
/u:<username>     ... Username
/c:<client>       ... Client
/p:<password>     ... Password
/w:<webServicePath> ... Web service URL
/d:<dateFormat> ... Date format (DDMMYYYY) or (MMDDYYYY) (default is DDMMYYYY)
/f:<path>        ... Path to the excel/csv file to load
/l:<path>        ... Path to save the log file. By default the temp folder + MFL_log_timestamp
/b:<size>        ... Batch size
/s:<yes/no>      ... Use scope
--continueonerror ... Set batch size to 1 and even if there are errors it will continue.
--allowemptycsvfields ... Allow empty fields on a CSV file
--test          ... Use test mode
--updateonly    ... Update only
--saveonly      ... Save only

Examples:
MFL.exe /u:MFL /c:EN /p:mfl /w:"http://localhost/571-ws/service.svc" /d:DDMMYYYY /f:"C:\TestFile.xlsx" /b:100 /s:yes /l:
"C:\MFLLogFolder" --test
  
```

Here you can see how GCON4 MFL can be launched from the command line.

```
MFL.exe /u:MFL /c:EN /p:mfl /w:http://localhost/700-ws/service.svc /d:DDMMYYYY /f:C:\TestFile.xlsx --test -log
```

This command runs GCON4 MFL with the user “MFL”, client “EN”, password “mfl”, to the URL “http://localhost/700-ws/service.svc” with a date format “DDMMYYYY”, with only one Excel file located at “C:\TestFile.xlsx”, in *test mode* and with *log display*.

Running GCON4 MFL04 Server process using multi-company function

It is possible to perform multi-company operations using the standard functionality of the Unit4 Server Processes

The Server process MFL04 allows you to fulfil the upload of data using that feature. In the following example you will see how we can upload a template of Accounts into two companies (EN and NT)

Steps:

1. Once MFL ACT is installed, proceed to create the MFL04 server process menu entry in Desktop

The screenshot shows a 'Properties' dialog box with the following fields:

- Menu ID: 00912603
- Description: Process MFL File
- Module: 00 Personal menu
- Func.type: Server process
- Function: MFL04
- Program: a:MFL.ACT
- Argument: MFL.ACT.MasterFileLoader
- Variant: 0
- Launch external: (empty)

The 'Roles and users' table is as follows:

		C	R	U	D	
1	Accountable role(ACCTABLE)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	AON Administrator(AONADMIN)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	AON Case Manager(AONCASEMGR)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	AON Employee(AONEMPLOYEE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	AON HR Director(AONHRDIRECTO)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	AON Manager(AONMANAGER)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	API Data Control(API DC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Case manager(MANAGER)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Curriculum Marketing(CMMARKETING)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Grant access to the relevant roles and users.

- Set the parameters to identify the MFL template and the report to be generated.

Module	Personal menu	Report	Process MFL File	MFL04
Variant	0 Process MFL File			
Output type	Auto-select	Priority	0	Copies 0
Printer		Width	132	
Server queue		E-mail distribution	<input type="checkbox"/>	Password <input type="checkbox"/>
Client				

	ParamID	Data type	Param name	Default value	Length	#	Fixed
1	file_name	a	Filename		255	0	<input type="checkbox"/>
2	report_file	a	Report file	:report_name	12	0	<input checked="" type="checkbox"/>

- Our file is the Account template. Please insert the file name including its extension in the field Filename

Variant		
	Param name	Value
1	Copies	1
2	Server queue	Default Report Queue (Serial)
3	Priority	0
4	Printer	DEFAULT
5	E-mail confirmation	<input type="checkbox"/>
6	E-mail distribution	<input type="checkbox"/>
7	Status	N
8	Start date	
9	Start time	
10	Output type	Auto-select
11	Filename	20210728105445_Account.xlsx

- Then, go to Tools → Company → Multicompany and choose the clients you need to populate the data, based on the Relation and relational values they have in common, keep values.

Relation	REGION	Rel.value	NORTH
	Save	To client	Description
?	<input type="checkbox"/>		
1	<input checked="" type="checkbox"/>	EN	Agresso Demo
2	<input checked="" type="checkbox"/>	NT	Natal Company

*Note: both clients must have the same setup to avoid validation errors in relations, attribute values, etc.

5. Save the process and go to the maintenance of ordered reports in the relevant companies

EN Maintenance of ordered repo... X

Setup Template Print report (local) Print report (server) Print log Show report printout Show log (text for

New link Organise links

	User	Report	OrderNo	Status	P	Scheduled	Ended	Server queue
?	SYSTEM		0					
1	SYSTEM	MFL04	34	T	0	28/07/2021	28/07/2021	DEFAULT

NT Maintenance of ordered reports X

Setup Template Print report (local) Print report (server) Print log Show report printout Show log (text for

New link Organise links

	User	Report	OrderNo	Status	P	Scheduled	Ended	Server queue
?	SYSTEM							
1	SYSTEM	MFL04	35	T	0	28/07/2021	28/07/2021	DEFAULT

6. The log information is shown per each company:

CAI \AppData\Local\Temp\mfl04a_35.lis (GENERIC form) - Agresso Print

File Edit Form View Help

Real User : SYSTEM

GCON4 MFL 6.0.0.20050
 Service version: 6.0.0.21061
 Client: NT
 User: SYSTEM
 Mode: STANDARD
 Max help tab items: 50000
 Network slice: 30000
 Max mem items: 150000
 BatchSizes: Account (1000, Scope: N) Applicant (1000, Scope: N) BalanceValueReference (1000, Scope: N) CustomerFactor (1000, Scope: N) PaymentDispatch (1000, Scope: N) PersonnelEmployment (100, Scope: N) PostingAr (1, Scope: N) PurchaseOrderAmendment (1, Scope: N) Role (1000, Scope: N) SalesOrder (1, Scope: N) SupplierGroup (1000, Scope: N) WorkSchedule (1, Scope: N)

Load start: 28 jul. 2021 11:01:30
 Load end: 28 jul. 2021 11:01:31
 Parsed file: C:\Program Files\UNIT4 Business Wor

1 rows successfully validated and uploaded

Ready

CAI \AppData\Local\Temp\mfl04a_34.lis (GENERIC form) - Agresso

File Edit Form View Help

Real User : SYSTEM

GCON4 MFL 6.0.0.20050
 Service version: 6.0.0.21061
 Client: EN
 User: SYSTEM
 Mode: STANDARD
 Max help tab items: 50000
 Network slice: 30000
 Max mem items: 150000
 BatchSizes: Account (1000, Scope: N) Applicant (1000, Scope: N) BalanceValueReference (1000, Scope: N) CustomerFactor (1000, Scope: N) PaymentDispatch (1000, Scope: N) PersonnelEmployment (100, Scope: N) PostingAr (1, Scope: N) PurchaseOrderAmendment (1, Scope: N) Role (1000, Scope: N) SalesOrder (1, Scope: N) SupplierGroup (1000, Scope: N) WorkSchedule (1, Scope: N)

Load start: 28 jul. 2021 11:01:19
 Load end: 28 jul. 2021 11:01:20
 Parsed file: C:\Program Files\UNIT4 Business

1 rows successfully validated and uploaded



7. Check the results in Unit4 ERP

NT Chart of accounts ×									
Setup Template Rule Relation Text Company									
New link Organise links									
	Account	Description	Rule	Group	Head.acc	Period from	Period to	Type	Status
?	1000								
1	1000	1000 account	Balance/Finance	200		201501	202008	AP	N

EN Chart of accounts ×									
Setup Template Rule Relation Text Company									
New link Organise links									
	Account	Description	Rule	Group	Head.acc	Period from	Period to	Type	Status
?	1000								
1	1000	1000 account	Balance/Finance	200		201501	202008	AP	N



Troubleshooting

If you encounter any problems when trying to load an Excel with numerous rows and the process ends in an error, **try setting the batch size parameter for the master file to 1** or activating the *Continue on Error* option, in the setup window, and try again.

By doing this, standard UNIT4ERP operation is simulated, and the records are inserted one by one, making it easier to insert records when triggers or other customizations have been configured.

Bear in mind that if you contact GCON4 MFL support for assistance, a copy of your database may be requested to recreate the incident.

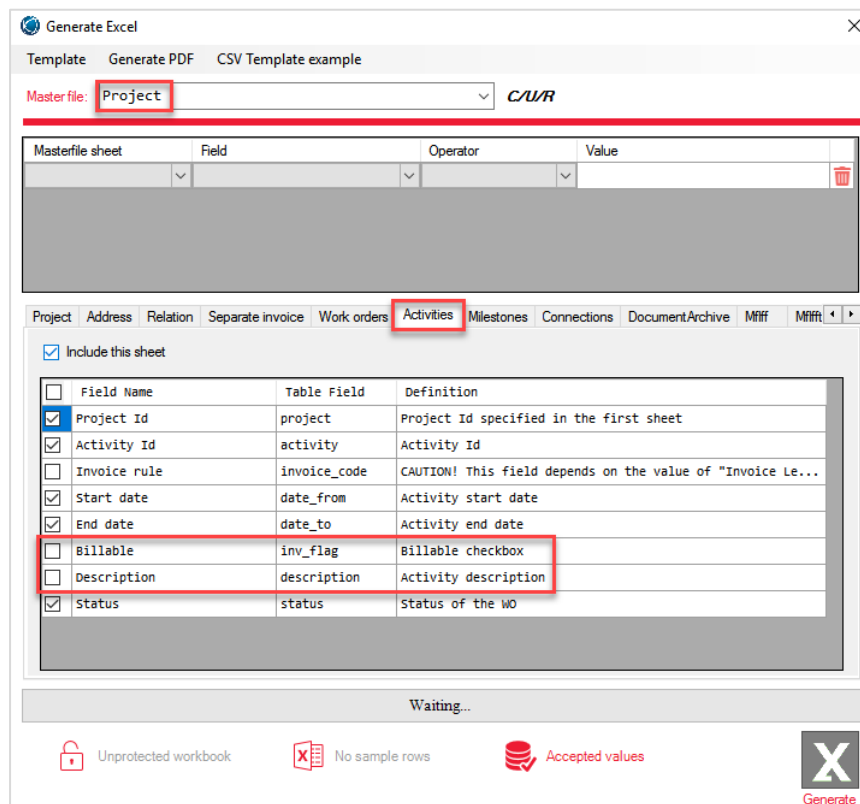
Appendix

Regarding the latest functionalities incorporated in this version, we add to this document a brief explanation intended to clarify how they work. Some of them have been included in the appropriate chapters of this manual.

Project Masterfile

Fields Description and Billable for Activities are now included to work with, in accomplish with system parameter FIXED_ACT_DESCR functionality.

GCON4 MFL includes both fields Description and Billable in case these fields need to be amended when the system parameter FIXED_ACT_DESCR is off.



Attribute Masterfile

Warning message for validation of duplicated attribute values in log file.

Validation for duplicated attribute values which have different period and statuses is now available through a warning included in the log file: e.g.

	A	B	C	D	E	F	G
1	Default Value	AMEX	*#NODEFAULT#		0	209912	N
2	Mandatory	Mandatory	Mandatory	Mandatory/Optional	Mandatory	Mandatory/Optional	Mandatory
4	Field Name	Attribute	Attribute value	Description	Period from	Period to	Status
5			DV	DAVIVIENDA	200101	201806	C
6			DV	DAVIVIENDA	201807	202012	N
7							
8							
9							
10							
11							

```

2 rows successfully validated and uploaded

Attribute Value: DV. WARNING: Duplicate value. It will be kept since it has different Period and Status.
Batch 1 of 2 successfully loaded. Batch size: 1
Excel rows from: 5 to: 5

Batch 2 of 2 successfully loaded. Batch size: 1
Excel rows from: 6 to: 6

```

Product Masterfile

Purchase supplier tab. *line_no* conflict:

In the Purchase suppliers tab, we have corrected the explanation label in the line number field since it was causing an error of repeated relations.

Field Name	Product id	Supplier id	Delivery address	Unit	Currency	Quantity from	Quantity to	Purchase price	Supplier product	Supplier product description	Delivery time	Date from	Guarantee	Price reference	Line number
PR3002	PR3002	10001	1	UN	EUR	0.00	99999999.99	1000.00	PR3002	PRODUCT PR3001 -> @ 2		01/01/2020	0		0
PR3002	PR3002	0	0	UN	GBP	0.00	99999999.99	0.00	PR3002	PRODUCT PR3001 -> @ 2		18/12/2020	0		0

Errors:
 Id: PR3002, Sheet: Purchase suppliers. Has a repeated relation in given sheet. Fields "Product Id" and "Line number" (PR3002, 0) must be distinct
 Id: PR3002, Sheet: Purchase suppliers. Has a repeated relation in given sheet. Fields "Product Id" and "Line number" (PR3002, 0) must be distinct

The correct way to enter the line_number per supplier is as follows:

Field Name	Product id	Supplier id	Delivery address	Unit	Currency	Quantity from	Quantity to	Purchase price	Supplier product	Supplier product description	Delivery time	Date from	Guarantee	Price reference	Line number
O1012325		0	0	UN	GBP	0.00	99999999.99	7.00	O1012325	PE protective gloves Selefalarge FP100		11/04/2014	0		0
O1012325		1730	0	UN	EUR	0.00	99999999.99	7.00	290580	PE protective gloves Selefalarge FP100		11/04/2014	0		21
O1012325		1730	0	UN	EUR	0.00	99999999.99	9	290580	PE protective gloves Selefalarge FP100		11/04/2017	0		21

An independent consecutive number per supplier in the line_no.

Address field in the Address Tab (all Masterfiles)

Field Name	Customer Id	Address type	Country Code	Address
Customer	Address	CUSTRISK	Accepted Values	

The mailing address
 Database field name: address
 Length: 160

Since the current length of this field states the total of 160 characters. For a better disposition of the information to be displayed in the web client, the total of characters should be entered in 4 rows of 40 char max:

Rates

When parameter SHOW_4_DECIMALS_RATES is set and is ON in Payroll System Parameters, we can maintain up to 4 decimals in the value reference window:

System parameters - Payroll

Setup Template Reset parameter to system setup value Reset parameter to default value

New link Organise links

System setup: EN Client: EN

Name	Mod	Max length	Value	On/off	Sys. setup	Client level
SHOW*				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SHOW_4_DECIMALS_RATES	PR	0		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Value reference

Rates for value reference (1001)

Parttime Percentage

Search criteria:

Attribute: Resource (RESNO) Nancy Stoiber
 Attribute value: 001398
 Attribute 2:
 Attribute value 2:
 Effective date:
 Status: Active

Load

#	Attribute	Attribute value	Attribute 2	Attribute value 2	Date from	Date to	Rate	Reason change	Status	Create history
1	Resource (RESNO)	001398			16/02/2022	31/12/2099	1.9876		Active	

In order to maintain the rates with GCON4 MFL, we need to add the following statement in the rates XML, then place the XML in the folder where the mfl.exe is executed.

```

123 <Field>
124   <DisplayName>Rate</DisplayName>
125   <Name>Value1</Name>
126   <DBName>value_1</DBName>
127   <Mandatory>InsertionOnly</Mandatory>
128   <Length>15</Length>
129   <AcceptDefault>true</AcceptDefault>
130   <DefaultValue>0</DefaultValue>
131   <Type>Double</Type>
132   <DisplayAllDecimals>true</DisplayAllDecimals>
133   <Text>The rate value</Text>
134 </Field>
  
```

As a result, we can extract the template showing the 4 decimals:

	A	B	C	D	E	F	G	H	I	J	K
1	Default Value	#NODEFAULT*						31/12/2099	0		N
2	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory/Optional	Mandatory/Optional	Optional	Mandatory/Optional
4	Field Name	Value reference	AttributeId	Attribute value	Attribute 2	Attribute value 2	Date from	Date to	Rate	Reason change	Status
5		1001	CO	001398			16/02/2022	31/12/2099	1.9876		N
6		1012	CO	001398			15/12/2006	31/12/2099	0.76142132		N