

VXL Template

PPS040 – Supplier/Item Admin

User Instruction

17/01/2023

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Version Control

Version	Date	Changed by	Comments
V1	12/14/22	N/A	N/A

1 Why VXL Templates?

In general, the purpose of a VXL template is to give our customers a good starting point in relation to data maintenance within a specific area in M3. A predefined VXL template can work for the customer exactly as it is but can also lack specific data or provide more data beyond what the customer maintains. The idea is that customers have the VXL template as a starting point and can themselves make the necessary small adjustments to make it perfect for their own needs.

2 What will it solve?

The purpose of this VXL template is to save time and cost on PPS040 – Supplier/Item maintenance in M3.

3 How does it work?

This function has two tasks. One export from M3 to excel and one import from Excel to M3.

Export from M3 to Excel

- Used to export PPS040-Supplier/Item records from M3 to Excel

Import from Excel to M3

- Used to import (add/update)Supplier/Item records from Excel to M3

4 Where can you find the VXL Template?

This template is installed in the Vince Template Company on the VXL server.

The function is named "TEMPL_PPS040_Supplier_Item_Admin"

5 Limitations

To run this function, an initial API-setup must be made in M3.

This is described in detail under chapter 7

6 Recommendations

The template can be run and used as it is. If you want to make changes to the VXL template, we recommend that you copy the template to a new function and make your changes to this instead.

This VXL template has not been tested in depth by Vince so we recommend testing this thoroughly in the M3 test environment before this is lifted to the M3 production environment.

7 M3 Setup

To be able to export multiple Items from PPS040 in M3 to Excel using Supplier as input, you need to set up a couple of simple MDBREADMI API transactions. This is described in detail below.

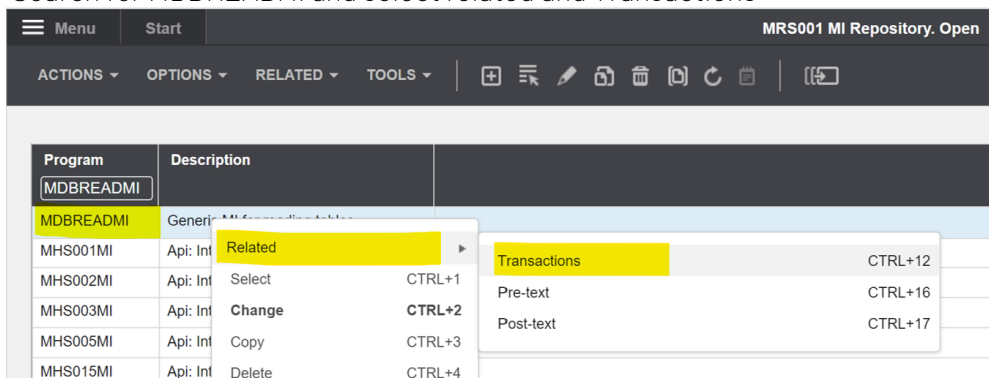
7.1 Set up an API transaction for listing PPS040 Items by supplier

As of now, there is no standard API transaction to list out all PPS040 articles per Supplier. Therefore we need to create a couple of MDBREAD API for this.

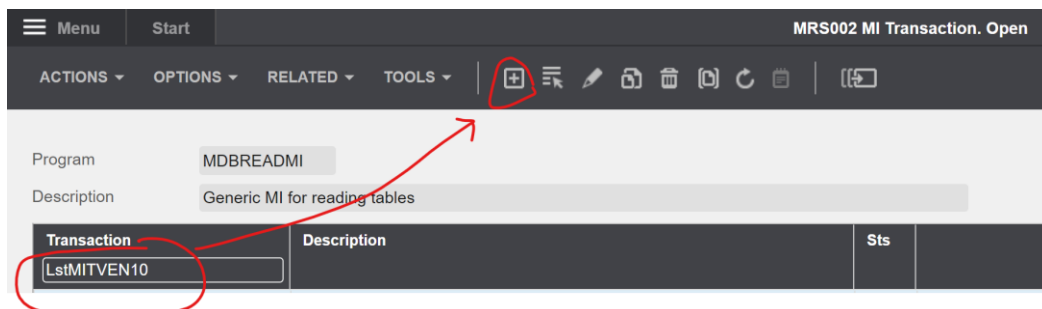
7.1.1 Create MDBREADMI - LstMITVEN10 transaction

Open MRS001 MI Repository

Search for MDBREADMI and select related and Transactions



Create a new MDBREAD API transaction by entering LstMITVEN10 in the field "Transaction" and click "+" to create.



Set the parameters as shown below and click "Next"

MRS002 MI Transaction. Open

Menu Start ACTIONS OPTIONS RELATED TOOLS

Panel Header

Program: MDBREADMI
 Name: Generic MI for reading tables
 Transaction: LstMITVEN10
 Description: Key: SUNO

Details

Version: 1 Status: 10-Preliminary
 Prefix: Q0 Y0 Single/multiple: M-Multiple

In MRS003, create a new input field by enter the settings as shown below and click "+" to create.

MRS003 MI Transaction Layout. Open

Menu Start ACTIONS OPTIONS RELATED TOOLS

Transaction: LstMITVEN10
 Description: Key: SUNO

Name	Frp	Tps	Lngh	Ftp	Res	
SUNO	16		10	A	1	Supplier number

↑ ↑ ↑ ↑ ↑ ↑

Then add a new line in the same way (fields marked in yellow) and click "+" to create. You should now have two input fields as shown below. Important, for the field "Res", this must be set to 1 for line 1 and set to 0 for line 2.

MRS003 MI Transaction Layout. Open

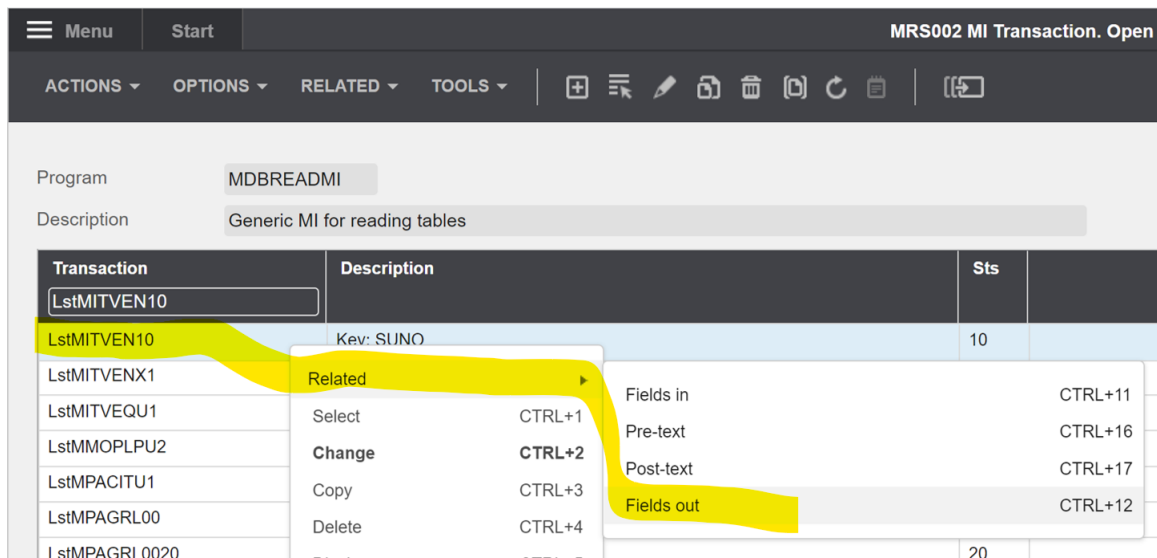
Menu Start ACTIONS OPTIONS RELATED TOOLS

Transaction: LstMITVEN10
 Description: Key: SUNO

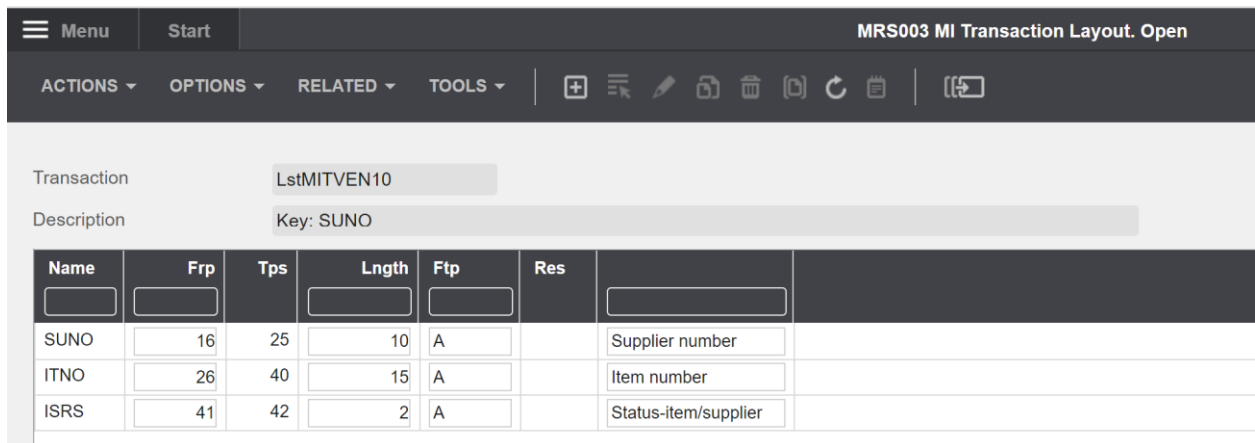
Name	Frp	Tps	Lngh	Ftp	Res	
SUNO	16	25	10	A	1	Supplier number
ITNO	26	40	15	A	0	Item number

Click F3 and go all the way back to MRS002/B1

Right click your new API transaction and select "Related" and "Fields out"

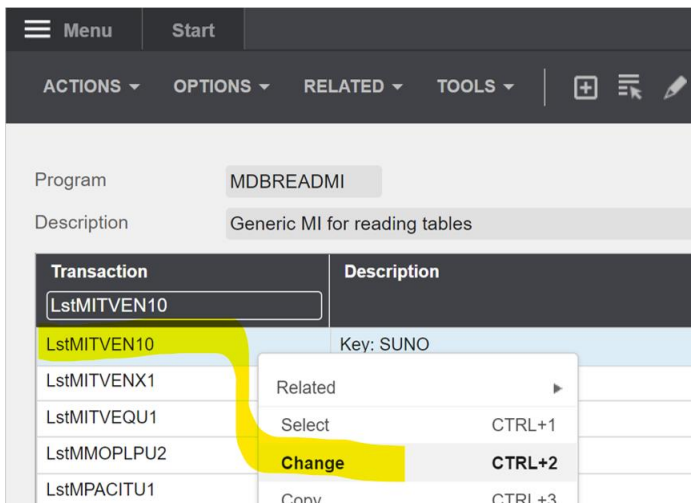


Create new output fields as shown below in the same way as you created the input fields above.



Click F3 and go all the way back to MRS002/B1

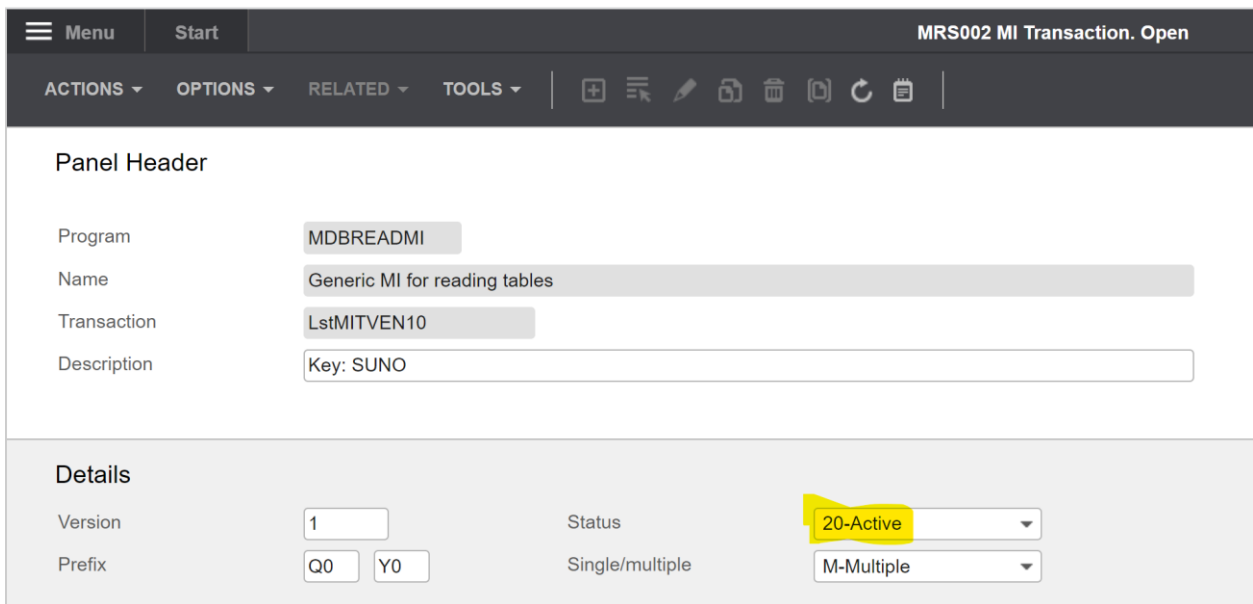
Right click your new API transaction and click "Change"



Then set the status = 20 and click "Next"

Now you are done with creating the new MDBREAD transaction that will return Items per Supplier.

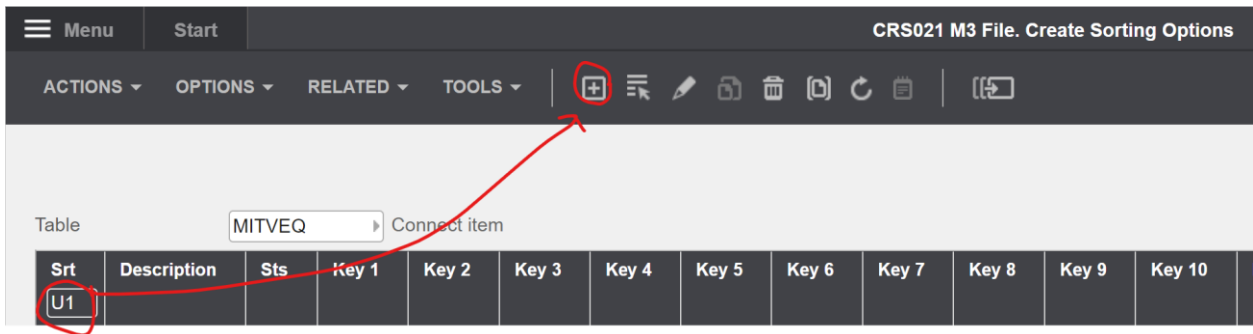
Click F3 to close the program.



7.1.2 Set up an API transaction for getting "Lowes permitted quality inspection level" (LCLV)

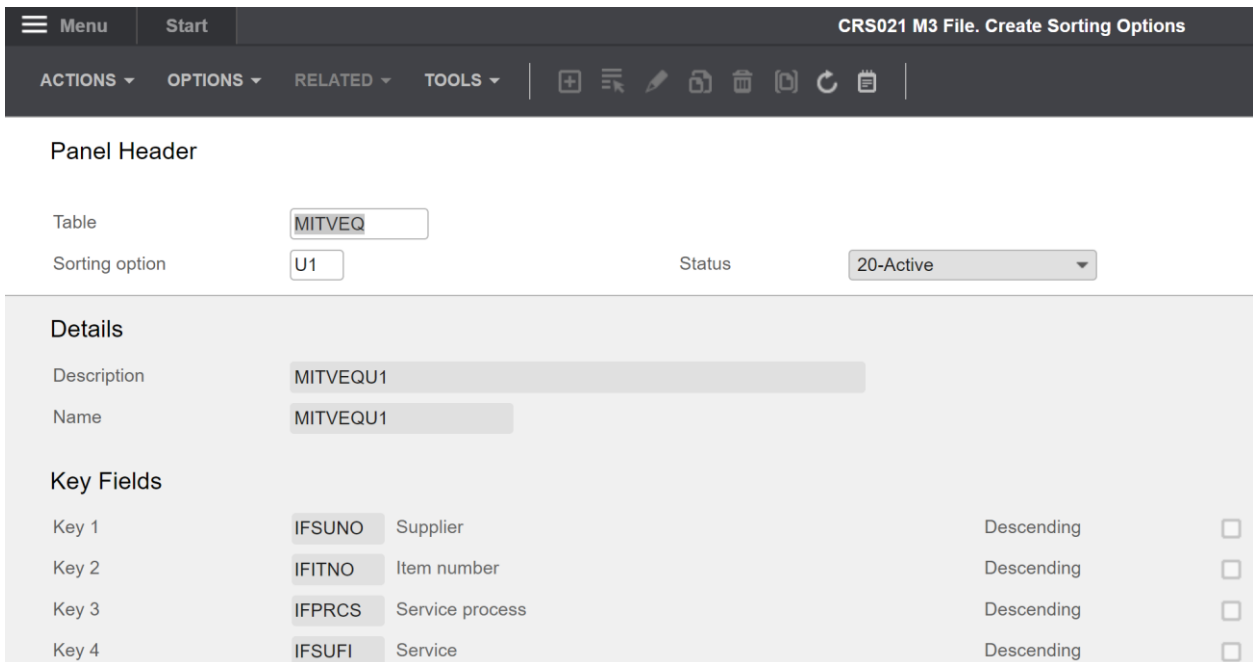
Create Sorting option

- Open CRS021/B - Sorting Options
- For the Table MITVEQ, create a sorting option U1 in CRS021
- If option U1 is already used, create a new one that does not exist.



In CRS021/E, set the Key fields as shown below:

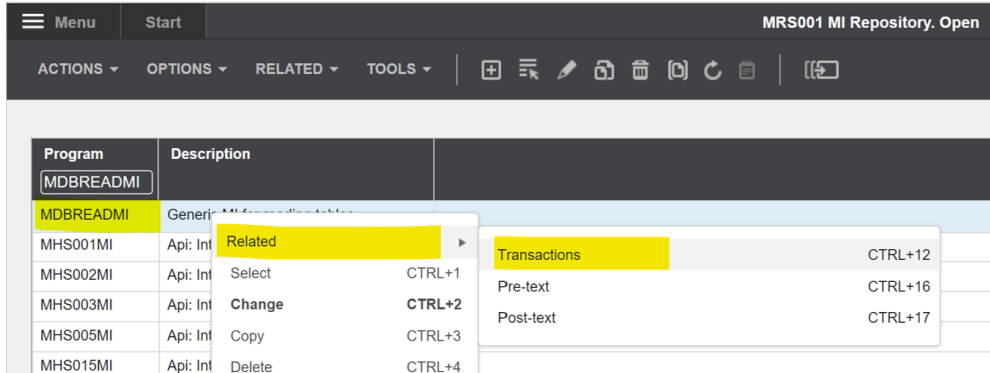
Remember to activate the sorting option



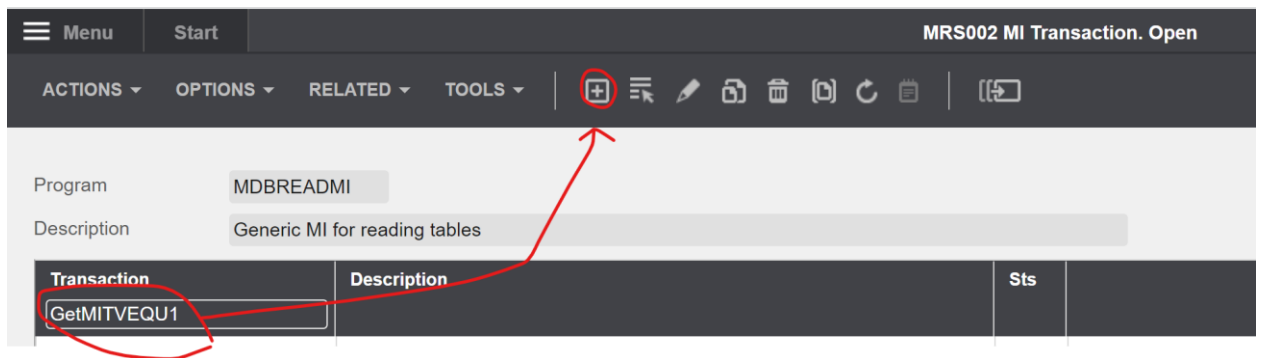
7.1.3 Create MDBREADMI - GetMITVEQU1 transaction

Open MRS001 MI Repository

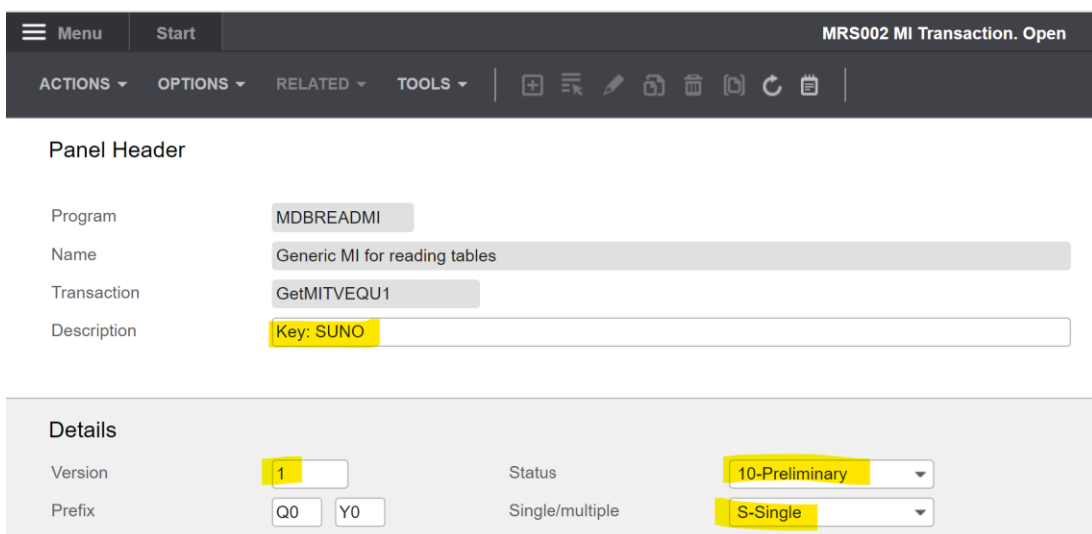
Search for MDBREADMI and select related and Transactions



Create a new MDBREAD API transaction by entering GetMITVEQU1 in the field "Transaction" and click "+" to create.



Set the parameters as shown below and click "Next"



In MRS003, create new input fields as shown below.
Important, for the field "Res", this must be set to 1 for line 1 and set to 0 for line 2.

Transaction: GetMITVEQU1
Description: Key: SUNO

Name	Frp	Tps	Lngth	Ftp	Res	
SUNO	16	25	10	A	1	Supplier number
ITNO	26	40	15	A	1	Item number

Click F3 and go all the way back to MRS002/B1
Right click your new API transaction and select "Related" and "Fields out"

Program: MDBREADMI
Description: Generic MI for reading tables

Transaction	Description	Sts
GetMITVEQU1	Key: SUNO	10
GetMPACITU1	Keys: IT	
GetMPAGRPV1	Keys: S	
GetMPDHED00	Keys: F	
GetMPLINE00	Keys: P	
GetMPLINE00PN	Keys: P	

Context Menu for GetMITVEQU1:

- Related
- Select CTRL+1
- Change CTRL+2
- Copy CTRL+3
- Delete CTRL+4
- Fields in CTRL+11
- Pre-text CTRL+16
- Post-text CTRL+17
- Fields out CTRL+12

Create new output fields as shown below in the same way as you created the input fields above.

Transaction: GetMITVEQU1
Description: Key: SUNO

Name	Frp	Tps	Lngth	Ftp	Res	
SUNO	16	25	10	A	1	Supplier number
ITNO	26	40	15	A	1	Item number
LCLV	41	41	1	A	0	Lowest permitted quality inspection lvl

Click F3 and go all the way back to MRS002/B1

Right click your new API transaction and click "Change"

Transaction	Description	Sts
GetMITVEQU1	Key: SUNO	10
GetMPACITU1	Key: Related	20
GetMPAGRPV1	Key: Select	20
GetMPDHED00	Key: CTRL+1	20
GetMPDI INE00	Key: CTRL+2	20

Then set the status = 20 and click "Next"

Now you are done with creating the new MDBREAD transaction that will return Items per Supplier.

Click F3 to close the program.

Panel Header

Program: MDBREADMI
Name: Generic MI for reading tables
Transaction: GetMITVEQU1
Description: Key: SUNO

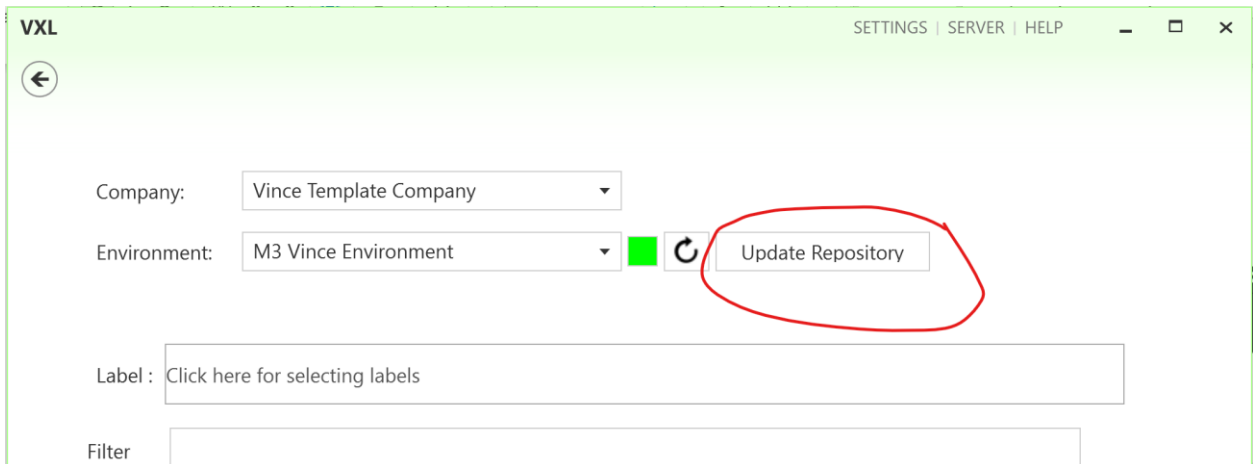
Details

Version: 1 Status: 20-Active
Prefix: Q0 Y0 Single/multiple: S-Single

7.1.4 Update API Repository

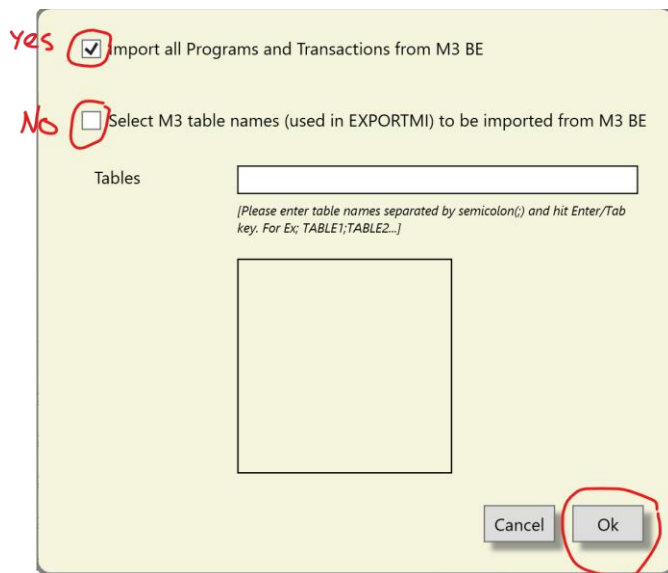
To be able to use your new MDBREADMI API transactions in VXL, you need to update your MRS001 MI repository from M3 to the VXL server.

Open the VXL client, **select the M3 environment** you created the new API and click **“Update Repository”**



Log in with your M3 credentials

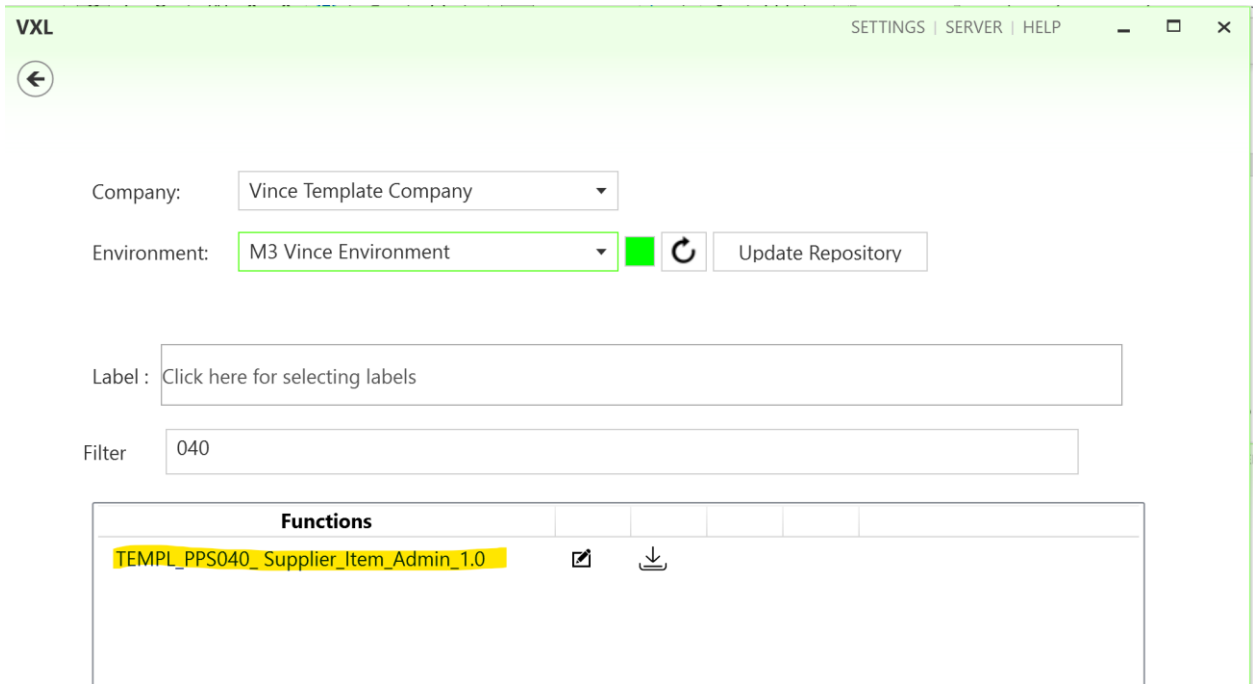
Then the box below appears, set the parameters as shown and click the “OK” button.



The MRS001 MI program update will run for 5-10 minutes and a pop-up will appear on your screen when the update is ready.

8 The VXL Client

Find your VXL function "TEMPL_PPS040_Supplier_Item_Admin" and double click to open it.



8.1 Export and Import Tasks

The VXL function contains the following tasks for export and Import between M3 and Excel

The diagram illustrates two tasks: "Export to Excel" and "Import to M3".

Export to Excel: This task is used to export Supplier/Item data from PPS040 in M3 to Excel. It features a "Supplier number" input field and an "Export to Excel" button. Below this, there is a filter section with a dropdown arrow, the text "ISRS - Status-item/supplier", the word "Equal", and another input field.

Import to M3: This task is used for importing Supplier/Item data from Excel to M3. It features an "Import to M3" button.

9 Example - How to run the VXL template

9.1 Export PPS040 - Supplier/Item data from M3 to Excel.

- Enter the Supplier number in the field "Supplier". This field is mandatory.
- Enter the status of the Supplier/Item records you want to export in the field "ISRS - Status-item/supplier". This field is mandatory.
- Then click the button "Export to Excel", give the Excel-file a name and store it.

Export to Excel

Supplier number

ISRS - Status-item/
supplier

Equal

The Items will then be exported and presented in an excel sheet as shown below.

Now you may start to maintain your item/supplier data in the Excel sheet.

Supplier number	Supplier name	Item number	Name	Record type	Supplier Item number	Supplier Item name	Status-Item/supplier	Valid from	Valid to	Purchase price	Currency	Purchase price U/M
PN0001	NILPAL US Supplier	900003	Flipkart	1	123000102		20	11/1/2022		100	USD	PCE
PN0001	NILPAL US Supplier	900003001	FlipkartY03X	1			20	11/1/2022		2000	USD	PCE
PN0001	NILPAL US Supplier	900003002	FlipkartY24X	1			20	11/1/2022		300	USD	PCE
PN0001	NILPAL US Supplier	9000020	VioStyle11	1	99900020		20			0	USD	PCE
PN0001	NILPAL US Supplier	9000020001	POD1Y08X03	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	CRH1	CRH1	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	CRH2	CRH2	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	CRH3	CRH3	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KNOLL1	KNOLL1	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KNOLL2	KNOLL2	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KNOLL3	KNOLL3	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KONF1	KONF1	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KONF12	KONF12	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KONF13	KONF13	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KONF14	KONF14	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KONF2	KONF2	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	KONF3	KONF3	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	MDD1	MDD1	1			20			0	USD	PCE
PN0001	NILPAL US Supplier	MITT-ITM-01	High Definitio	1	SUPPMITT-ITM-01	Suppname1	20	11/18/2022	1/1/2023	45.34	USD	EA
PN0001	NILPAL US Supplier	PUR001	Webinar1	1	US001	Purchased Item 1 - Sup Itno	20			0	USD	PCE
PN0001	NILPAL US Supplier	PUR002	Garden Table	1	US001	Purchased Item 2 - Sup Itno	20			0	USD	PCE

9.2 Import PPS040 - Supplier/Item data from Excel to M3.

Run this task if you want to import (add and update) the maintained PPS040 Supplier/Item data from the Excel to m3. We have done the following changes to the data from the export.

- The Supplier Item Number, Supplier Item Name and Status Item/supplier is changed on rows 10 and 11.
- Two new rows (27 and 28) are added to the spread sheet with the Item Numbers PUR004 and PUR005.

By doing this change to the excel data, we will trigger both Update (rows 10 and 11) on existing PPS040 items, and Add (rows 27 and 28) of new PPS040 items in M3.

Supplier number	Supplier name	Item number	Name	Record type	Supplier item number	Supplier item name	Status-item/supplier	Valid from	Valid to	PURP
PN0001	NILPAL US Supplier	9000003	Flipkart	1	123000102		20	11/1/2022		100
PN0001	NILPAL US Supplier	9000003001	FlipkartYY03	1			20	11/1/2022		2000
PN0001	NILPAL US Supplier	9000003002	FlipkartYY24	1			20	11/1/2022		300
PN0001	NILPAL US Supplier	9000020	VioStyle11	1	99900020		20			0
PN0001	NILPAL US Supplier	9000020001	P001YY08X03	1			20			0
PN0001	NILPAL US Supplier	CRH1	CRH1	1	132435	Supp/tm no 1	10			0
PN0001	NILPAL US Supplier	CRH2	CRH2	1	534231	Supp/tm no 2	10			0
PN0001	NILPAL US Supplier	CRH3	CRH3	1			20			0
PN0001	NILPAL US Supplier	KNOLL1	KNOLL1	1			20			0
PN0001	NILPAL US Supplier	KNOLL2	KNOLL2	1			20			0
PN0001	NILPAL US Supplier	KNOLL3	KNOLL3	1			20			0
PN0001	NILPAL US Supplier	KONF1	KONF1	1			20			0
PN0001	NILPAL US Supplier	KONF12	KONF12	1			20			0
PN0001	NILPAL US Supplier	KONF13	KONF13	1			20			0
PN0001	NILPAL US Supplier	KONF14	KONF14	1			20			0
PN0001	NILPAL US Supplier	KONF2	KONF2	1			20			0
PN0001	NILPAL US Supplier	KONF3	KONF3	1			20			0
PN0001	NILPAL US Supplier	MDD1	MDD1	1			20			0
PN0001	NILPAL US Supplier	MTT-ITM-01	High Definitic	1	SUPPMTT-ITM-01	Suppname1	20	11/18/2022	1/1/2023	45.34
PN0001	NILPAL US Supplier	PUR001	Webinar1	1	US001	Purchased Item 1 - Sup Itmc	20			0
PN0001	NILPAL US Supplier	PUR002	Garden Table	1	US001	Purchased Item 2 - Sup Itmc	20			0
PN0001	NILPAL US Supplier	PUR003	Garden Table	1	US001	Purchased Item 2 - Sup Itmc	20			0
PN0001	NILPAL US Supplier	PUR004		1	US004	Testname 1	20			0
PN0001	NILPAL US Supplier	PUR005		1	US005	Testname 2	20			0

Now it's time to import the data to M3.

- Make sure that your changed Excel file is saved and closed.
- Click the button "Import to M3" and select the excel file you want to import.

Import to M3

Import to M3

When the import is done the Excel file will open.

Scroll all the way to the right in the spread sheet to look at the API responses.

As we see from the screen dump below:

- Column AA "Total" say that everything is OK.
- Column AB, "AddItemSupplrQI" failed in row 5 to 26 with an error message.. This is not a problem since it is not possible to add records that already exists in PPS040, so this is correct.
- The rows 27 and 28 in column AB is OK since this is two new items did not exist in PPS040 before.
- The Column AC (UpdItemSupplrQI) has no response for the new locations since a rule in the configurator is set not to run this API if the AddLocation transaction is OK

	AA	AB	AC
	RESPONSE		
	TOTAL	PPS040MI AddItemSupplrQI	PPS040MI UpdItemSupplrQI
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	NOK	Combination item/supp
OK	OK	OK	OK
OK	OK	OK	OK

If we check the data in PPS040 by filtering on status 10, we see that the Items CRH1 and CRH1 from row 10 and 11 in the spread sheet have been updated

Menu Start PPS040 Supplier. Connect Item

ACTIONS OPTIONS RELATED TOOLS

Supplier: PN0001 NILPAL US Supplier
 Supplier status: 20-Approved
 Status item/sup: 10-Preliminary

Apply

Item number	Main suppl	Name	Description	Std	Order mult	Rec dt	Suppl item name
CRH1		CRH1	CRH1	0			Suppl/itm no 1
CRH2		CRH2	CRH2	0			Suppl/itm no 2

And by filtering on status 20 we also see that have two new items imported (PUR004 and PUR005).

Menu Start PPS040 Supplier. Connect Item

ACTIONS OPTIONS RELATED TOOLS

Item number: PN0001 NILPAL US Supplier
 Supplier status: 20-Approved
 Status item/sup: 20-Approved

Apply

Item number	Main suppl	Name	Description	Std	Order mult	Rec dt	Suppl item name
9000020001		P001YY08X034	Brown /34	0			
CRH3		CRH3	CRH3	0			
KNOLL1		KNOLL1	KNOLL1	0			
KNOLL2		KNOLL2	KNOLL2	0			
KNOLL3		KNOLL3	KNOLL3	0			
KONF1		KONF1	KONF1	0			
KONF12		KONF12	KONF12	0			
KONF13		KONF13	KONF13	0			
KONF14		KONF14	KONF14	0			
KONF2		KONF2	KONF2	0			
KONF3		KONF3	KONF3	0			
MDD1		MDD1	MDD1	0			
MTT-ITM-01		High Definition Colorbase 1 Z1	High Definition Colorbase 1 Z1	0			Suppname1
PUR001		Webinar1	Webinar - Descr	0		140508	Purchased Item 1 - Sup ltno
PUR002		Garden Table TX3	Garden Table TX3 - Yellow Zink	0		140508	Purchased Item 2 - Sup ltno
PUR004		Outdoor Grill - Side support	Outdoor Grill - Side support - Ac	0		140508	Testname 1
PUR005		Umbrella black - UB40	Umbrella black - UB40 Zink	0		140508	Testname 2