



XtensionIT

User guide

Version: November 2021

- [1. Preamble](#)
- [2. Definitions](#)
 - [2.1. Master Data](#)
 - [2.2. Template Tables](#)
 - [2.3. Companies](#)
 - [2.3.1. Template Companies](#)
 - [2.3.2. SubTemplate Companies](#)
 - [2.3.3. Dependent Companies](#)
- [3. Insert, Modify and Delete Records](#)
- [3.1. Insert Records](#)
- [3.2. Modify Records](#)
- [4. Template Company](#)
 - [4.1 Setup Template Company](#)
 - [4.2 Setup Template Tables](#)
 - [4.3 Setup Template Table Fields](#)
 - [4.4 Setup Associated Tables](#)
 - [4.5 Data Usage Matrix](#)
 - [4.5.1. Open Data Usage Matrix](#)
- [5. Dependent Company](#)
- [5.1 Setup Dependent Companies](#)
- [5.2 Assign Template Tables](#)
- [5.3 Subscribing Data](#)
- [5.4 Data Origin Matrix](#)
 - [5.4.1. Open Data Origin Matrix](#)
- [6. Send Data, Get Data](#)
- [7. Replication Schema](#)
 - [7.1. Open Replication Schema](#)
 - [7.2. Setup Replication Schema](#)
 - [7.3. Assign Replication Schema](#)
- [8. Extended field](#)

1. Preamble

Dear reader,

With this document, we are pleased to be able to provide you the current user documentation of Multi Entity Management, our Microsoft certified special solution for Microsoft Business Central.

Due to the process-oriented structure, this user documentation does not show all the details of the application. If you would like to receive information on individual windows, functions or fields, you can also use the online help.

Distribution, duplication or publication of this document is only permitted with explicit consent of XtensionIT ApS.

Our support team will be glad to help you with any questions.

Your XtensionIT ApS.

2. Definitions

Multi Entity Management is an extension for Microsoft Business Central and offers the possibility to manage any master and setup data centrally and to make it available to other companies at runtime.

2.1. Master Data

G/L accounts, customers and vendors as well as items, dimensions and dimension values represent, among others, typical master data. Supplementary master data, such as payment terms, reminder methods and payment methods, customer and vendor bank accounts, business and product posting groups, VAT business and VAT product posting groups can be assigned to these and other master data as required. Setup data, for example, the G/L setup, customers and sales setup as well as vendors and purchases setup and the general posting setup and the VAT posting setup can be treated as master data in Multi Entity Management.

2.2. Template Tables

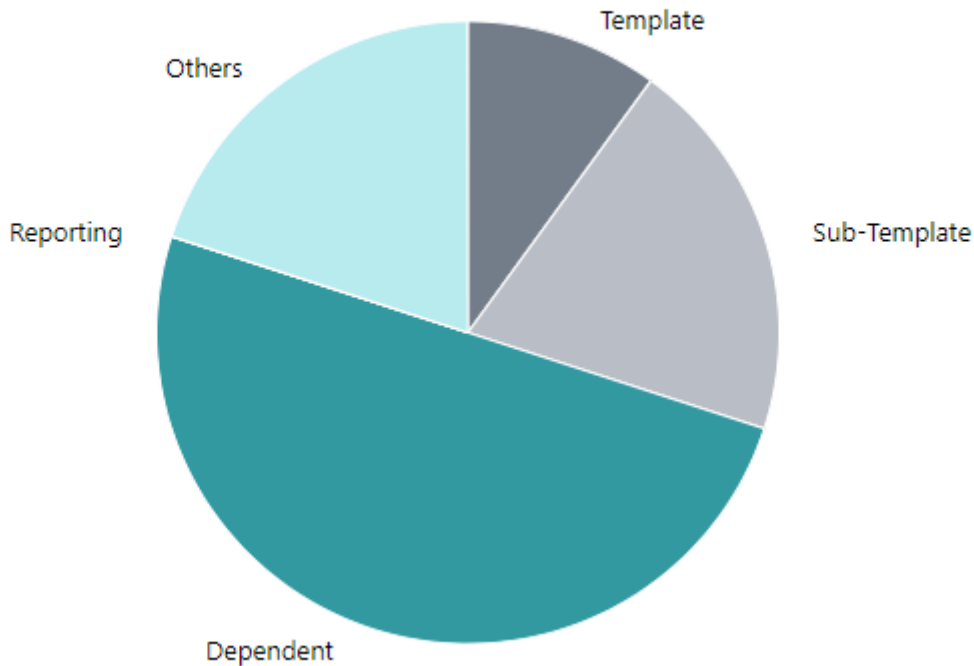
Tables store master data in a fixed structure. Template tables are all tables whose entries are being maintained in a Template or Sub-Template company

2.3. Companies

In Microsoft Business Central, a company is created for each organization of a corporation or enterprise. The company thus represents a completed unit in terms of data and organization that, in addition to the classic company code approach, also structures the master data on a company-by-company basis. In the Role Center, a diagram of the existing company structure within the database can be displayed:

Master Data Indicators ∨

Company Structure per Company Type



2.3.1. Template Companies

Typically, Template Companies are pure setup companies above the level of the operative companies. Operational companies assigned to a Template Company can also be referred to as dependent companies. A single Template Company or multiple Template Companies can be set up for all dependent companies but also a complex template hierarchy is possible with one Template Company and one or more Sub-Template companies. Generally, after the dependency has been set up all changes to the stored master data are made only from the Template or Sub-Template company and will then be synchronized into the operative or dependent companies.

2.3.2. Sub Template Companies

The creation of Template Companies can be mapped over several hierarchy levels. This means that the top level, the Template Company itself contains all the central master data, whereas in the level below the SubTemplate companies only contain certain parts of the managed master data, which they provide to their assigned dependent companies.

2.3.3. Dependent Companies

Dependent companies are operative companies. They can be assigned to Sub-Template companies and/or Template Companies, and then obtain part of their master data from them.

Data Origin ∨

Table Name		Template Company Name	Subscribe
<u>Payment Terms</u>	⋮	T1 MEM Template	<input checked="" type="checkbox"/>
Currency		T1 MEM Template	<input checked="" type="checkbox"/>
Standard Text		T1 MEM Template	<input checked="" type="checkbox"/>
Language		T1 MEM Template	<input checked="" type="checkbox"/>
Country/Region		T1 MEM Template	<input checked="" type="checkbox"/>
Shipment Method		T1 MEM Template	<input checked="" type="checkbox"/>
G/L Account		ST1 MEM SubTemplate 1	<input checked="" type="checkbox"/>
Customer		T1 MEM Template	<input type="checkbox"/>
Vendor		T1 MEM Template	<input type="checkbox"/>

3. Insert, Modify and Delete Records

This chapter describes how to insert, modify and delete records.

3.1. Insert Records


In dependent companies, no records can be inserted in template tables. New data records must be created in the respective parent Template Companies.



In the data origin matrix, it can be seen in which Template Company the insertion for the data in question can be made.

3.2. Modify Records

In dependent companies, no records can be changed in template tables. Exceptions are fields in template tables, which are not checked in the transfer at modify field.

In the data origin matrix, it can be seen in which Template Company the modification for the data in question can be made.

Template Table Fields ✓ Saved 

Search + New Edit List Page More options  

Fieldno. ↑	Name	Transfer at Get/Send	Transfer Modifications
1	Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Due Date Calculation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Discount Date Calculation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
→ 4	Discount %	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Calc. Pmt. Disc. on Cr. Memos	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	Last Modified Date Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Transfer at Get/Send	Transfer Modifications
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

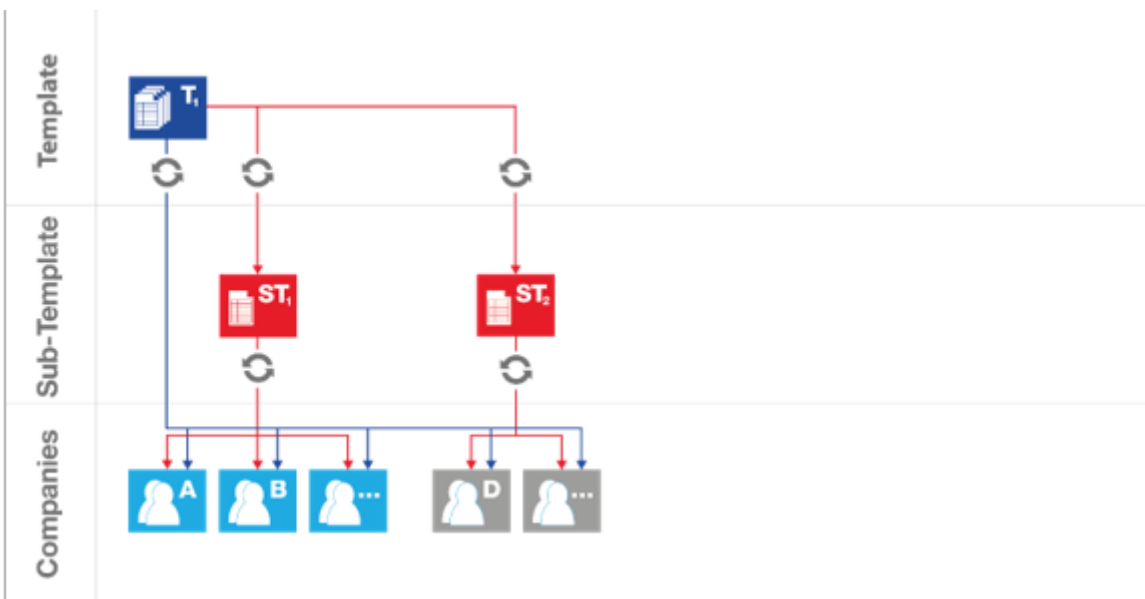
Template Field Value List ▼

Target Company Name ↑ Default Value

(There is nothing to show in this view)

4. Template Company

Template companies are companies in which central master data is managed, that is created and modified. Template companies thus make master data available to other dependent or operative companies. The structure of Template Companies can be mapped hierarchically, i.e. over several levels. Here, the top level, i.e. the Template Company itself, contains all central master data, while in an underlying hierarchical level, in Sub-Template companies, exist only certain parts of the data managed in the Template Company, which they provide to the dependent or operative companies.



4.1. Setup Template Company

The setup of companies is ideally carried out hierarchically from top to bottom, i.e. first, the Template Company, subsequently possibly required Sub-Template companies and then the dependent or operative companies are set up.

You can set up a Template or Sub-Template client via the navigation area Multi Entity Management, Template Company Setup

Template Setup List

Search Manage Edit Template Setup... Edit Replication Setup... Page Actions Fewer options

Company Name ↑	Replication Schema Name	Business Unit Code	Rep... Com...	Con...	Tem... Com...	Dep... Com...	Subs... avail...	Data Subs... active
CRONUS UK Ltd.	:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OM1 Operative Managing One	MC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OM2 Operative Managing Two	MC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS1 Operative Sales One	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS2 Operative Sales Two	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS3 Operative Sales Three	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R Reporting			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ST1 MEM SubTemplate 1			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ST2 MEM SubTemplate 2			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T1 MEM Template			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The company to be set up as a Template or Sub-Template Company must be clicked. Then click on the Edit icon in the group Manage, in the menu bar.

The window Template Setup Card will open:

Template Setup Card

Copy Template Setup

General

Company Name Reporting Company ...

Replication Schema ... Consolidate

Language Code Debug Mode

Business Unit Code

Template For | Manage

Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associ... Table
→ 3	Payment Terms	5	0	<input type="checkbox"/>
4	Currency	5	0	<input type="checkbox"/>
7	Standard Text	5	0	<input type="checkbox"/>
8	Language	5	0	<input type="checkbox"/>
9	Country/Region	5	0	<input type="checkbox"/>
10	Shipment Method	5	0	<input type="checkbox"/>
15	G/L Account	2	0	<input type="checkbox"/>
18	Customer	5	1	<input type="checkbox"/>

When setting up a Template or Sub-Template Company, the following settings should be considered:

Field Description. Company Name The current company name is displayed here. Replication Schema The Replication Schema is used to simplify the configuration of companies, see Chapter 7. Business Unit Enter a unique code to merge this company's entries into one or more reporting companies. You can use the business unit to identify the entries.

Subsequently, the template tables are entered, i.e. the tables are assigned to the Template or Sub-Template companies whose master data is to be centrally managed and made available to other companies.

4.2. Setup Template Tables

Template tables are assigned to a Template or Sub-Template company. They contain the master data that is to be managed centrally and made available to other clients.

You can set up the template tables for a Template or Sub-Template client using the navigation Multi Entity Management, Template Company Setup, Template Setup Card

Click on the Template or Sub-Template company whose template tables are to be set up. The window Template Setup will open:

Template Setup Card

 Copy Template Setup

General >

Template For		Manage					
Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associ...	Table		
→ 3	Payment Terms	5	0	<input type="checkbox"/>			
4	Currency	5	0	<input type="checkbox"/>			
7	Standard Text	5	0	<input type="checkbox"/>			
8	Language	5	0	<input type="checkbox"/>			
9	Country/Region	5	0	<input type="checkbox"/>			
10	Shipment Method	5	0	<input type="checkbox"/>			
15	G/L Account	2	0	<input type="checkbox"/>			
18	Customer	5	1	<input type="checkbox"/>			
23	Vendor	5	2	<input type="checkbox"/>			
27	Item	1	4	<input type="checkbox"/>			
30	Item Translation	1	0	<input checked="" type="checkbox"/>			

All the tables that are to be managed centrally in this template Company are entered in the Template for info register.

The following settings must be taken into account when assigning the tables:

Field Description Table ID This is the object number of the table. The selection of the tables is available via the looku Alt+down arrow Table Name The field fills automatically and contains the name of the table.

Subsequently, the fields of the respectively assigned tables (template table fields) can be parameterized.

4.3. Setup Template Table Fields

The individual fields of the template tables assigned to a Template or Sub-Template Company can be parameterized differently. The template table fields of a Template or Sub-Template company are set up via the Template Setup window:

Template Setup Card

 Copy Template Setup

General >

Template For

Manage 

Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associ... Table
→ 3	Payment Terms	5	0	<input type="checkbox"/>
4	Currency	5	0	<input type="checkbox"/>
7	Standard Text	5	0	<input type="checkbox"/>
8	Language	5	0	<input type="checkbox"/>
9	Country/Region	5	0	<input type="checkbox"/>
10	Shipment Method	5	0	<input type="checkbox"/>
15	G/L Account	2	0	<input type="checkbox"/>
18	Customer	5	1	<input type="checkbox"/>
23	Vendor	5	2	<input type="checkbox"/>
27	Item	1	4	<input type="checkbox"/>
30	Item Translation	1	0	<input checked="" type="checkbox"/>
84	Acc. Schedule Name	1	1	<input type="checkbox"/>
85	Acc. Schedule Line	1	0	<input checked="" type="checkbox"/>

In the Template for info register, first select the table whose table fields you want to edit. Then Manage in the same info register and then click Fields

The window Template Table Fields will open:

Template Table Fields

Template Table Fields					
→ Search	+ New	Edit List	Page	More options	
	Fieldno. ↑		Name	Transfer at Get/Send	Transfer Modifications
→	1	⋮	Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	2		Due Date Calculation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	3		Discount Date Calculation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	4		Discount %	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	5		Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	6		Calc. Pmt. Disc. on Cr. Memos	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	8		Last Modified Date Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

When parameterizing the fields of a table, the following settings must be taken into account:

Field Description Table no. This is the object number of the template table whose fields are displayed. **Field No** Specifies the number of the field of the template table. **Name** The field fills automatically and contains the name of the field. **Transfer at Get/Send** The field content of the data record is transferred to the dependent company during the transfer. **Transfer Modifications** The field content of the data record is transferred to all dependent companies during a subsequent change. If this checkmark is set, the field content in a dependent company cannot be changed. If the field content is to be changeable in dependent companies, no checkmark must be set here.

The checkmarks in the fields **Transfer at Insert** and **Transfer at Modify** are automatically preassigned.

New fields that are added to a table by later customizations do not automatically appear in that table and must be added as needed.

4.4. Setup Associated Tables



Associated tables are tables whose own primary key points to another table, i.e. data can only be acquired in related tables when they are associated to the other table.








Typical examples of related tables are


- Delivery addresses of a customer
- Order addresses of a vendor
- Variants of an item
- Bank accounts of a customer
- Bank accounts of a vendor

Related tables must be set up so that they are recognized as an extension of a data record (for example, bank accounts of a customer or vendor) and are automatically taken into account during data transfer.

The setup of related tables is done via the window **Template Setup**



Associated Tables ✓ Saved  








 Search
  New
  Edit List
  Delete
  Individual Setup for Default Dimensions
 Page  


	Associated Table ID ↑		Associated Table Name
→	224		Order Address
	288		Vendor Bank Account

In the info register Template for, first select the table whose table fields you want to edit. Then select Manage in the same info register and then click on Associated Tables.

The window Associated Tables will open:

Associated Tables ✓ Saved  

 Search
  New
  Edit List
  Delete
  Individual Setup for Default Dimensions
 Page  

	Associated Table ID ↑		Associated Table Name
→	224		Order Address
	288		Vendor Bank Account

When setting up related tables, the following settings must be taken into account:

Field Description Associated Table ID This is the object number of the related table. The selection of the tables is available via the lookup arrow + down. If an associated table is set up, it is automatically entered as a table in the "Template for" info register. This is done so that the fields of the related table can also be parameterized.

Associated Table Name The field fills automatically and contains the name of the associated table. Related tables are automatically added as a template table in the Template for tab.

4.5. Data Usage Matrix

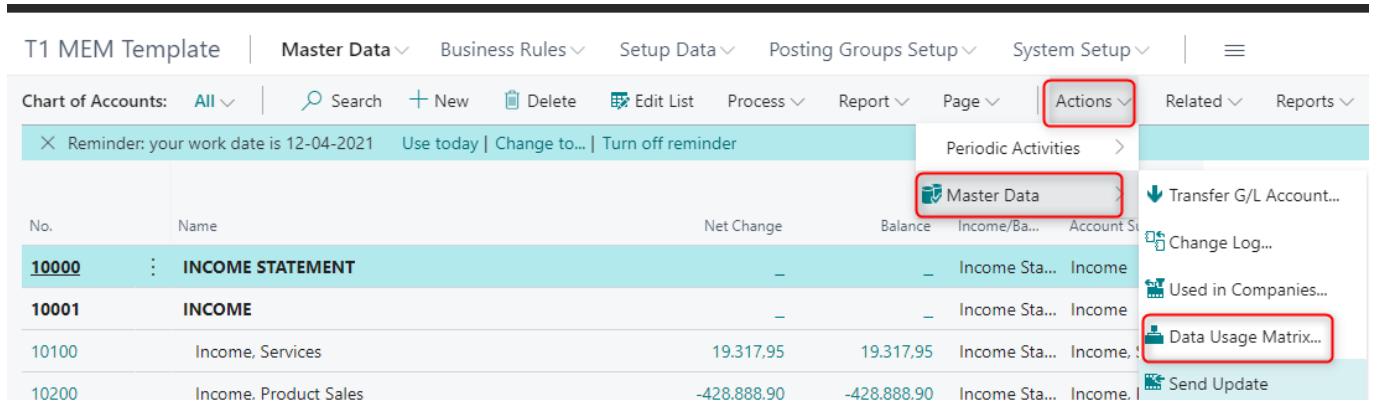
In the Data Usage Matrix, the data fields of a data record are displayed for the currently open Template or Sub-Template Company as well as for the next subordinate level with the field values there.

4.5.1. Open Data Usage Matrix

The Data Usage Matrix is available for the following tables and their data records:

- G/L Account
- Customer and Vendor
- Item
- Account scheme and column layout
- Dimension and Dimension Values

The Data Usage Matrix can be opened via the respective window. To do this, first click on the dataset whose usage is to be displayed. Then click on the Data Origin matrix symbol in menu Actions - Data Origin Matrix



The window Data Usage Matrix will open:

Edit - Data Usage Matrix - G/L Account - 30100 - Rent Expense

G/L Account 30100 - Rent Expense

Open in Excel

Fieldname	T1 MEM Template	Company [ST1 MEM SubTemplate 1] ge
→ <i>No.</i>	30100	30100
Name	Rent Expense	Rent Expense
Search Name	RENT EXPENSE	RENT EXPENSE
Account Type	Posting	Posting
Global Dimension 1 Code		
Global Dimension 2 Code		
Account Category	Expense	Expense
Income/Balance	Income Statement	Income Statement
Debit/Credit	Debit	Debit
No. 2		
Blocked	No	No
Direct Posting	Yes	Yes
Reconciliation Account	No	No
New Page	No	No
No. of Blank Lines	0	0
Indentation	1	1
Last Modified Date Time	28-06-21 12:31	28-06-21 12:31
Last Date Modified	28-06-21	28-06-21

When displaying the Data Usage Matrix, different colors are used that have the following meaning

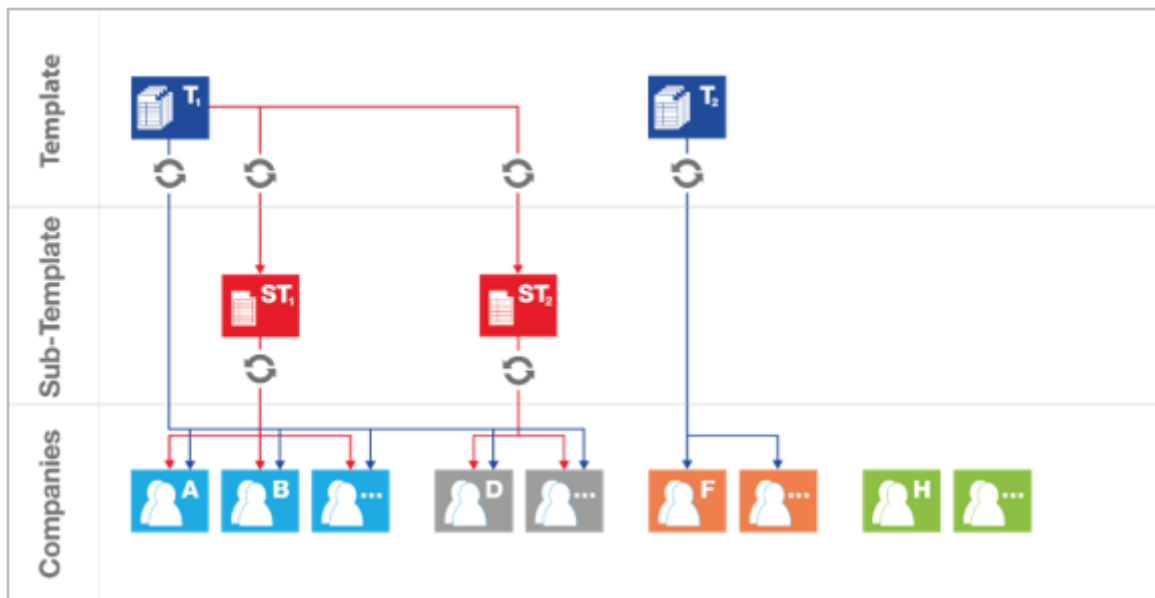
Column Fieldname:

Field name Description Red, bold and italic Fields of the so-called primary key. Changes are not allowed, as this would correspond to renaming the record. Black, bold For these fields, the field Transfer at Modify is not set in the current company, i.e. these fields may be changed in the dependent companies of the next hierarchy level.

Columns for Companies: Columns Companies Description Red, bold and italic Fields of the so-called primary key. Changes are not allowed, as this would correspond to renaming the record. Grey Field contents may not be changed in the respective company. The field contents come from the assigned Template or SubTemplate company Black Field contents may be changed in the respective company. Blue For these fields, the field Transfer at Modify is not set in the corresponding Template Company, i.e. these fields may be changed in the dependent company of the next hierarchy level Green, bold The fields Transfer at Insert and Transfer at Modify are not set for these fields in the corresponding Template Company, i.e. these fields may be changed in the dependent companies of the next hierarchy level.

5. Dependent Company

Dependent clients are operating organizations. They can be assigned to both Sub-Template and Template Companies and then derive at least part of their master data from them.



5.1. Setup Dependent Companies

The establishment of companies is ideally hierarchical from top to bottom, i.e. first the Template Company, then possibly required Sub-Template companies and then set up the dependent or operational companies.

You can set up a dependent or operative company using the navigation area Multi Entity Management, Template Company Setup

Template Setup List

Search Manage Edit Template Setup... Edit Replication Setup... Page Actions Fewer options

Company Name ↑	Replication Schema Name	Business Unit Code	Report... Comp...	Consol...	Templ... Comp...	Depen... Comp...	Subscr... available	Data Subscr... active
CRONUS UK Ltd.	:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OM1 Operative Managing One	MC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OM2 Operative Managing Two	MC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS1 Operative Sales One	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS2 Operative Sales Two	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS3 Operative Sales Three	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R Reporting			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ST1 MEM SubTemplate 1			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ST2 MEM SubTemplate 2			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T1 MEM Template			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The company that is to be set up as a dependent or operational company must be clicked. Then click on the Edit icon in the menu bar of the Manage group.

The window Template setup will open:

Template Setup Card

Copy Template Setup

General

Company Name OS1 Operative Sales One Reporting Company ...

Replication Schema ... SC Consolidate

Language Code ENU Debug Mode

Business Unit Code

Template For | Manage

	Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associa... Table
→	0		0	0	<input type="checkbox"/>

When setting up a dependent or operative company, the following settings must be taken into account:

Field Description Company name The current company name is displayed here Replication Schema The Replication Schema is used to simplify the configuration of companies, see Chapter 7 Business Unit code Enter a unique code to merge this company's entries into one or more reporting companies. You can use the business unit to identify the entries.

5.2. Assign Template Tables

Template tables are assigned to a dependent company, whose data the dependent or operative client is to obtain from a Template or Sub-Template client. You assign the template tables to a dependent or operative company using the navigation area the navigation area Multi Entity Management, Template Company Setup. The dependent or operative company to which template tables are to be assigned must be clicked. Then, in the menu bar of the group Transaction, click on the Edit Template icon.

The window Template Setup will open:

Template Setup Card

 Copy Template Setup

General >

Template For

Manage



	Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associa... Table
→	0		0	0	<input type="checkbox"/>

Dependent on

Manage



	Table ID ↑	Table Name	Template Company Name	Subscri...	Cus... Rec...	Business Relation Handling	Contact Handling
→	3	Payment Terms	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	4	Currency	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	7	Standard Text	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	8	Language	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	9	Country/Region	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	10	Shipment Method	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	15	G/L Account	ST2 MEM SubTem...	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	18	Customer	T1 MEM Template	<input type="checkbox"/>	<input type="checkbox"/>		

In the Dependent on information tab, all tables are assigned whose master data the dependent or operative company is to receive from a Template or Sub-Template company

The following settings must be taken into account:

Field Description Table ID This is the object number of the table. The selection of the tables is available via the lookup arrow + down
Table Name The field fills automatically and contains the name of the table. Template
Company Name At this point, the Template Company or, if applicable, Sub-Template company is selected to provide the data. The Lookup button displays all possible template and Sub-Template companies. After the company has been assigned, the application checks whether data records already exist in the dependent company for the selected table. If this is the case, a note appears and the assignment is not possible. Conflicts

have to be resolved manually before an assignment can be made. **Subscribe** If you check this box, the data are permanently sourced from the Template or Sub-Template company, i.e. new records from this table are automatically written to the dependent company. By subsequently removing and re-setting the check mark, the transmission can be forced repeatedly. **Individual Data Check** this box if you want to allow individual master data in the operative company of this table despite the dependency on a Template Company. When entering individual data in the operative company, the system checks whether this master data is already being used in the Template Company.

5.3. Subscribing Data

Is there a check mark in the **Subscribe** field for one dependent or operative company in the **Dependent on** info tab for one or more template tables, this means that new data records of these tables are automatically written to the dependent or operative company. Subsequent removal and re-ticking of the check mark will cause the transfer to take place again.

Template Setup Card

 Copy Template Setup

General >

Template For

Manage



	Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associa... Table
→	0		0	0	<input type="checkbox"/>

Dependent on

Manage



	Table ID ↑	Table Name	Template Company Name	Subscri...	Cus... Rec...	Business Relation Handling	Contact Handling
→	3	Payment Terms	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	4	Currency	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	7	Standard Text	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	8	Language	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	9	Country/Region	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	10	Shipment Method	T1 MEM Template	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	15	G/L Account	ST2 MEM SubTem...	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	18	Customer	T1 MEM Template	<input type="checkbox"/>	<input type="checkbox"/>		
	23	Vendor	T1 MEM Template	<input type="checkbox"/>	<input type="checkbox"/>		
	84	Acc. Schedule Name	ST2 MEM SubTem...	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

The check mark **Subscribe** applies to all tables that do not have a separate "get and send function". Excepted the tables

- G/L Account
- Customer and Vendor
- Item
- Account schedule and column layout
- Dimension and Dimension Values

5.4. Data Origin Matrix

In the Data Origin Matrix, the data fields of a data record for the currently opened company and all higherlevel Template or Sub-Template companies are displayed with their field values.

5.4.1. Open Data Origin Matrix

The data origin matrix is available for the following tables and their data records:

- G/L Account
- Customer and Vendor
- Item
- Account schedule and column layout
- Dimension and Dimension Values

The Data Origin Matrix is retrieved via the respective window. To do this, first click on the record whose origin you want to display. Then click on the symbol Data Origin Matrix in menu bar Actions, Master Data:

The screenshot shows the 'OM2 Operative Managing Two' application window. The 'Master Data' menu is open, and the 'Actions' sub-menu is also open. The 'Data Origin Matrix...' option is highlighted in the 'Actions' sub-menu. The background shows a table with columns for 'No.', 'Name', 'Net Change', and 'Balance'. The table contains records for 'INCOME STATEMENT', 'INCOME', 'Income, Services', and 'TOTAL INCOME'.

No.	Name	Net Change	Balance
10000	INCOME STATEMENT	-	-
10001	INCOME	-	-
10100	Income, Services	-	-
10990	TOTAL INCOME	-	-

The window Data Origin Matrix will open:

Edit - Data Origin Matrix - G/L Account - 10000 INCOME STATEMENT



G/L Account 10000 INCOME STATEMENT

Open in Excel

Fieldname	Company [OM2 Operative Managing Two] subscribed	Company [ST2 MEM SubTemplate 2] get/send	Company [T1 MEM Template]
→ <i>No.</i>	<i>10000</i>	<i>10000</i>	<i>10000</i>
Name	INCOME STATEMENT	INCOME STATEMENT	INCOME STATEMENT
Search Name	INCOME STATEMENT	INCOME STATEMENT	INCOME STATEMENT
Account Type	Heading	Heading	Heading
Global Dimension 1 Code			
Global Dimension 2 Code			
Account Category	Income	Income	Income
Income/Balance	Income Statement	Income Statement	Income Statement
Debit/Credit	Both	Both	Both
No. 2			
Blocked	No	No	No
Direct Posting	No	No	No
Reconciliation Account	No	No	No
New Page	No	No	No
No. of Blank Lines	1	1	1
Indentation	0	0	0
Last Modified Date Time	28.06.21 12:31	28.06.21 12:31	28.06.21 12:31

In the Data Origin Matrix are different colors used which have the following meanings:

Field name Description Red, bold and italic Fields of the so-called primary key. Changes are not allowed, as this would correspond to renaming the record **Black, bold** For these fields, the field Transfer at Modify is not set in the current company, i.e. these fields may be changed in the dependent companies of the next hierarchy level

Columns for Companies Columns Companies Description Red, bold and italic Fields of the so-called primary key. Changes are not allowed, as this would correspond to renaming the record **Grey** Field contents may not be changed in the respective company. The field contents come from the assigned Template or SubTemplate **company Black** Field contents may be changed in the respective company **Blue** For these fields, the field Transfer at Modify is not set in the corresponding Template Company, i.e. these fields may be changed in the dependent company of the next hierarchy level **Green, bold** For these fields, the fields Transfer at Insert and Transfer at Modify are not set in the corresponding Template Company, i.e. these fields may be changed in the dependent companies of the next hierarchy level

6 Send Data, Get Data

Unnecessary master data in dependent or operative companies often prevents clear and smooth work. An essential approach of Multi Entity Management is that these companies work only with the data they really need.

Since the amount of data required is changeable, dependent companies can fetch missing data from their Template or Sub-Template companies in an active process. Template companies can proactively send new data to all or selected downstream companies

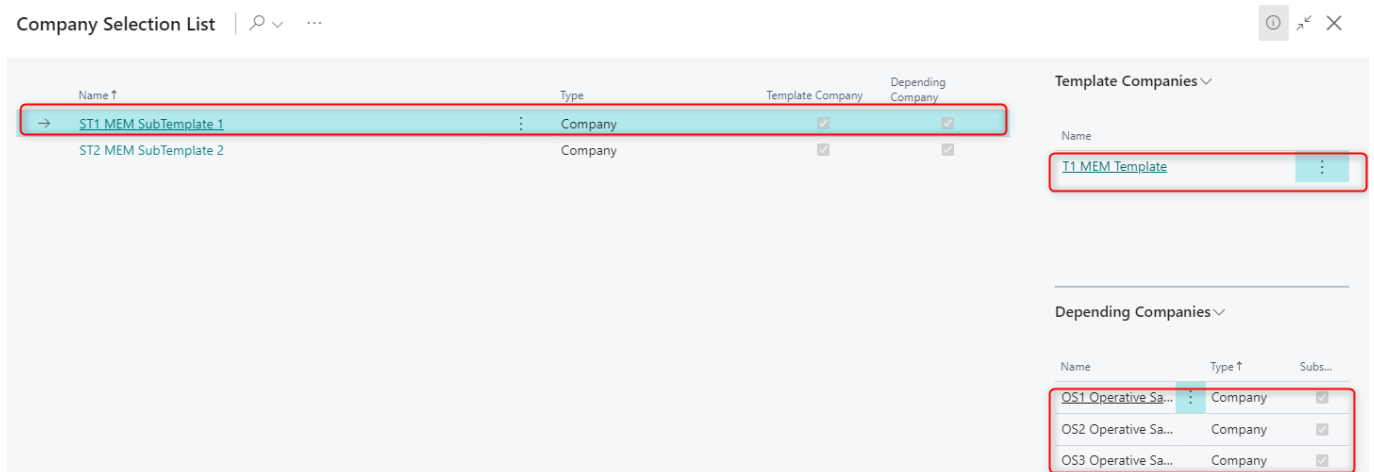
New data records that are created in Template or Sub-Template companies can be transferred to dependent or operative companies. This functionality is available for the following tables and their data records:

- G/L Account
- Customer and Vendor
- Item
- Account schedule and column layout
- Dimension and Dimension Values

To do this, call up the respective window of the table from which data records are to be sent to dependent or operative companies in the Template or Sub-Template company

In the example below, two records to be sent are selected in the Chart of Accounts window. Then, in the menu bar in the Multi Entity Management group, click on the Transfer G/L Account icon:

The Company Selection List window



The Company Selection List window opens, in which the companies are marked, in which the data records to be transferred can be sent:

T1 MEM Template | Master Data ▾ | Business Rules ▾ | Setup Data ▾ | Posting Groups Setup ▾ | System Setup ▾ | ☰

Chart of Accounts: All ▾ | 🔍 Search | + New | 🗑️ Delete | 📄 Edit List | Process ▾ | Report ▾ | Page ▾ | Actions ▾ | Related ▾ | Reports ▾

✕ Reminder: your work date is 12-04-2021 | Use today | Change to... | Turn off reminder

No.	Name	Net Change	Balance	Income/Ba...	Account S
10000	INCOME STATEMENT	–	–	Income Sta...	Income
10001	INCOME	–	–	Income Sta...	Income
10100	Income, Services	19.317,95	19.317,95	Income Sta...	Income, S
10200	Income, Product Sales	-428.888,90	-428.888,90	Income Sta...	Income, P
10250	Job Sales	–	–	Income Sta...	Income, Jobs
10300	Sales Discounts	4.149,01	4.149,01	Income Sta...	Sales Discounts
10400	Sales Returns & Allowances	–	–	Income Sta...	Sales Returns &
10450	Job Sales Applied	–	–	Income Sta...	Job Sales Contr
10500	Interest Income	–	–	Income Sta...	Income
10990	TOTAL INCOME	-405.421,94	-405.421,94	Income Sta...	Income
20001	COST OF GOODS SOLD	–	–	Income Sta...	Cost of Goods
20100	Cost of Materials	320.569,00	320.569,00	Income Sta...	Materials
20200	Cost of Labour	–	–	Income Sta...	Labour

Periodic Activities >

Master Data >

- Transfer G/L Account...
- Change Log...
- Used in Companies...
- Data Usage Matrix...
- Send Update

The Company Selection List window contains two info boxes that provide the following information:

Info box Description Template Companies This info box lists the respective Template Company from which the selected company receives its master data, in this case for the G/L accounts table. **Dependent Companies** This info box lists all dependent companies that receive master data, in this case for the G/L accounts table, from the selected company, if this is a Template or Sub-Template company. The **Subscribe** field shows whether the dependent companies automatically receive new master data from the selected Template or Sub-Template company.

6.2. Get data

Data records that are required in Sub-Template companies or dependent or operative companies but are not available can be retrieved from Template or Sub-Template companies.

This functionality is available for the following tables and their datasets:

- G/L Account
- Customer and Vendor
- Item
- Account schedule and column layout
- Dimension and Dimension Values

For this purpose, in the Sub-Template companies or dependent or operative companies in the window of the respective table, you can directly access the data records of the hierarchically superior company in order to search for and transfer missing data records, i.e. to get the data. In the following example, the Chart of Accounts of the hierarchically superior Template Company is accessed in the Chart of Accounts window. To do this, click on the symbol Template G/L Accounts in the menu bar in the group Multi Entity Management:

The "Chart of Accounts" window then opens in the Template or Sub-Template Company, in which the missing G/L accounts can be searched for, selected and transferred.

7. Replication schema

Replication Schemas simplify the setup of dependent or operative companies, since the assignment of the template tables is not done individually per company, but only once via the Replication Schema, which is only assigned to the dependent or operative company.

7.1. Open Replication Schema



You can open Replication Schemas using the button in the navigation area Multi Entity Management, Replication Schema

The window Replication Schema Names will open:

7.2. Setup Replication Schema

The Replication Schema to be set up is to be clicked. Then click on the Edit Replication Schema icon in the group Process of the menu bar.

The window Replication Schema will open:

Replication Schema ✓ Saved  

Name MC ...



Manage  Open in Excel 

	Table ID ↑	Table Name	Template Company Name	Subscribe
→	3	Payment Terms	T1 MEM Template	<input checked="" type="checkbox"/>
	4	Currency	T1 MEM Template	<input checked="" type="checkbox"/>
	7	Standard Text	T1 MEM Template	<input checked="" type="checkbox"/>
	8	Language	T1 MEM Template	<input checked="" type="checkbox"/>
	9	Country/Region	T1 MEM Template	<input checked="" type="checkbox"/>
	10	Shipment Method	T1 MEM Template	<input checked="" type="checkbox"/>
	15	G/L Account	ST2 MEM SubTemplate 2	<input checked="" type="checkbox"/>
	18	Customer	T1 MEM Template	<input type="checkbox"/>
	23	Vendor	T1 MEM Template	<input type="checkbox"/>

All template tables whose data are to be obtained from a Template Company and / or, if applicable, SubTemplate company are assigned to a replication scheme.

The following settings must be taken into account:

Field Description Table ID This is the object number of the table. The selection of the tables is available via the lookup arrow + down **Table Name** The field fills automatically and contains the name of the table. **Template Company Name** At this point, the Template Company or, if applicable, Sub- Template company is selected to provide the data. The Lookup button displays all possible template and Sub-Template companies. After the company has been assigned, the application checks whether data records already exist in the dependent company for the selected table. If this is the case, a note appears and the assignment is not possible. Conflicts must be resolved manually before an assignment. **Subscribe** If you check this box, the data from the Template or Sub-Tem- plate company will be permanently sourced, i.e. new data records of this table are automatically written to the dependent company. By subsequently removing and re-setting the check mark, the transmission can be forced repeatedly.

Changes to the Replication Schema always have a direct impact on all companies that are assigned to this schema.

7.3. Assign Replication Schema

All dependent or operative companies that are to be set up based on a Replication Schema must be assigned to the respective Replication Schema.

The assignment of a Replication Schema to a dependent company is carried out via the button in the navigation area Multi Entity Management, Template Company Setup:

Template Setup List

Search Manage Edit Template Setup... Edit Replication Setup... Page Actions Fewer options

Company Name ↑	Replication Schema Name	Business Unit Code	Reporti... Compa...	Consol...	Templa... Compa...	Depen... Compa...	Subscri... available	Data Subscri... active
CRONUS UK Ltd.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OM1 Operative Managing One	MC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OM2 Operative Managing Two	MC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS1 Operative Sales One	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS2 Operative Sales Two	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OS3 Operative Sales Three	SC		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R Reporting			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ST1 MEM SubTemplate 1			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ST2 MEM SubTemplate 2			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T1 MEM Template			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The dependent or operative company to be assigned to a replication scheme is to be clicked. Then click on the Edit Template Setup icon in the Manage group of the menu bar.

Template Setup Card

Copy Template Setup

General

Company Name	OM1 Operative Managing One	Reporting Company	<input type="checkbox"/>
Replication Schema ...	MC	Consolidate	<input type="checkbox"/>
Language Code	ENU	Debug Mode	<input type="checkbox"/>
Business Unit Code			

Template For

Manage

	Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associa... Table
→	0		0	0	<input type="checkbox"/>

The following settings must be taken into account:

Field Description Replication Schema Name Select the Replication Schema on which the dependent company should be to depend on template tables. The selection of the tables is available via the Dropdown button.

Using a Replication Schema makes it impossible to change template tables individually in the dependent company. Changes to the Replication Schema always have a direct impact on all clients that are assigned to this schema.

8. Extended field

Extended fields to existing table, new fields must first be updated in Tempory Template

Template Setup Card

Copy Template Setup

General

Company Name	<input type="text" value="XtensionIT SUB"/>	Reporting Company	<input type="checkbox"/>
Replication Schema Name	<input type="text"/>	Consolidate	<input type="checkbox"/>
Language Code	<input type="text"/>	Debug Mode	<input type="checkbox"/>
Business Unit Code	<input type="text"/>		

Template For

[Manage](#)



- New Line
- Delete Line
- Fields
- Associated Tables
- Subscriber Companies

Table No. ↑	Table Name	No. of Replication Allocations	No. of Associated Tables	Added as Associated Table
15	G/L Account	2	0	<input type="checkbox"/>
→ 38	Purchase Header	1	0	<input type="checkbox"/>
84	Acc. Schedule Name	2	1	<input type="checkbox"/>
85	Acc. Schedule Line	2	0	<input checked="" type="checkbox"/>
333	Column Layout Name	2	1	<input type="checkbox"/>
334	Column Layout	2	0	<input checked="" type="checkbox"/>

Tempory template - Table field must be updated



← Template Table Fields ✓ Saved





+ New Edit List | [Actions](#) Fewer options

Update Field List

→	1		Document Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	2		Buy-from Vendor No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	3		No.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	4		Pay-to Vendor No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	5		Pay-to Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	6		Pay-to Name 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

When extended field is updated to chosen table, columns: Transfer at Get/Send and Transfer Modifications is set to false.

Template Table Fields ✓ Saved  

🔍 Search ➕ New ✎ Edit List | Actions Fewer options    

Fieldno. ↑	Name	Transfer at Get/Send	Transfer Modific...
139	Prepmt. Posting Description	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
142	Prepmt. Pmt. Discount Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
143	Prepmt. Payment Terms Code	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
144	Prepmt. Payment Discount %	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
151	Quote No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
160	Job Queue Status	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
161	Job Queue Entry ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
165	Incoming Document Entry No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
170	Creditor No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
171	Payment Reference	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
480	Dimension Set ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5048	Doc. No. Occurrence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5050	Campaign No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5052	Buy-from Contact No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5053	Pay-to Contact No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5700	Responsibility Center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5753	Posting from Whse. Ref.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5790	Requested Receipt Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5791	Promised Receipt Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5792	Lead Time Calculation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5793	Inbound Whse. Handling Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5800	Vendor Authorization No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5801	Return Shipment No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5802	Return Shipment No. Series	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5803	Ship	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5804	Last Return Shipment No.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7000	Price Calculation Method	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9000	Assigned User ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
→ 10502	⋮ Invoice Receipt Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5397812	Business Unit Code	<input type="checkbox"/>	<input type="checkbox"/>

Template Field Value List ▼

Target Company Name ↑ Default Value

(There is nothing to show in this view)

This columns must be set manually by user.