

Syniti Central Wave ECC Knowledge Pack

Installation, Configuration & User Guide

Document History

Version	Comments	Date
1.5	Initial release	August 14, 2020
2.0	Enhancements around full usage of MAP and automate, expanded Relevancy criteria, inclusion of psaPerformanceBench for improved performance on transaction tables, separation of objects for easily PII security capability	Jan 5, 2021
2.2	Inclusion of the Web application UI in product delivery. Addition of Material costing, Purchase order partners, and planning orders targets. Various bug fixes	April 6, 2021

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Overview

The Central Wave ECC Knowledge pack is a content based relevancy tool built on the Syniti Stewardship Tier ADM Solution based on an agnostic data model. It has been designed to support the identification of relevant MASTER Records (Customer, Vendor and Material) in preparation for further processing. Additional functionality around Data Quality reporting and Business Process Opportunities are being added using the same agnostic model. The Knowledge Pack is available with mapping from source ECC system.

The Knowledge Pack provides a registered Wave, Process Area, Objects, Target Tables, Source Mapping (from ECC), Source and Target Rules and Reports for a final set of Relevant Master Data Records. It uses a combination of SKP delivered Data Construction Relevancy Application and custom configuration that controls relevancy either by

1. # of days or fixed date
2. In and out of scope Company, Sales Organization, Purchasing Organization, Plants, Customer Account Group, Vendor Account Group, Material Type
3. Relevant client by zSource and Wave
4. Specific inclusion or exclusion by object key

Any remaining transactions after the filters are applied are considered relevant therefore causing an associated master record to be relevant.

The Data Stewardship Tier applications in use are:

Application Name	Application Database	Working Database	Usage
Collect	DataGarage	sdbSAP_ECC	Schedules and executes data extraction from SAP
Assemble	CranPort		Data import and export
Automate	InterfaceServer		
Transform	DSW	dswCentral dswCentral_Cache	Processes logic to determine relevant records
System Administration	CranSoft	CranSoft	User access management
Construct: Relevancy	DataConstructionServer	dswCentral (Views referring DataConstructionServer) dswCentral_Cache	Stores the Relevancy parameters

psaPerformanceBench (Optional)	psaPerformanceBench	dswCentral	Performance enhancement
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Install CentralWave_ECC pack

The application can be installed on Syniti Solutions DSP versions 7.4.1 and above. It has not been thoroughly tested on lower versions.

Prerequisite

New installations of Stewardship Tier 7.4.3 onwards will have Source Relevancy Pages installed. For previous versions of Stewardship Tier, or instances upgrading from previous versions (prior to 7.4.3) will need to install the Source Relevancy Solution Accelerator pages prior to the installation of this Knowledge Pack.

This installation can be done by opening a support ticket at support.syniti.com for the Source_Relevancy_Pages.zip.

OPTIONAL: Since transaction data processing for Relevancy involves large data volumes, it is recommended to install psaPerformanceBench and use it in conjunction with CentralWave_ECC Knowledge Pack. This is an optional step; the content can be used without psaPerformanceBench.

Download the Knowledge Pack

The CentralWave_ECC knowledge pack is obtained by opening a support ticket at support.syniti.com

Install the Knowledge Pack

Perform the following steps to install the Knowledge Pack:

- Right click on ‘**CentralWave_ECC**’ zip file and go to **Properties**. Ensure to unblock the file if it is blocked.
- Unzip the file
- Navigate to the DSP Installation folder (e.g., D:\BOA\DSP or C:\Program Files (x86)\BOA\DSP)
- Back up the DSP Install\BOA\DSP folder to a compressed zip file
- Back up all Syniti-supplied SQL Server databases or verify that a complete recent backup already exists
 - Supplied databases: AutoGen, cMap, cMap_Data, cMass, cMass_Data, Console, CranPort, CranSoft, DataConstructionServer, DataDialysis, DataGarage,

DBMoto_Client, DGE, DGE_Data, dgReports, dgSAP, dspAddOn,
DSPCommon, dspMonitor_AccPak, dspMonitorConfig, DSW, IGC, Integrate,
IntegrateStaging, InterfaceServer, MC, & RADToolkit

- Stop IIS

This process disconnects all active DSP users, so it is highly recommended to perform the install when no users are on the system. This process stops IIS on the web server.

- Open Windows *Start* Menu.
- Open the **Command Prompt** (run as an administrator).
- Type: **IISReset –stop**.
- Press the **Enter** key.
- Leave the Command Prompt window open for later use.

- Stop all services that start with “Cransoft Service ...”

This process stops all DSP background jobs, so it is highly recommended to perform the install when no scheduled operations are running on the system.

- Open Windows *Start* Menu.
- Select **Administrative Tools**.
- Run **Services**.
- Right-click the DSP service.
- Select **Stop**.
- Repeat the previous two steps for any additional DSP services.

- Copy the **Web** folder from the zip file to your existing DSP install\Web folder. If prompted, replace the files in the destination.
- Copy the **Databases** folder from the zip file to your existing DSP install\Databases folder. If prompted, ensure that you REPLACE the files in the destination.
- Navigate to DSP install\Databases\Install directory and execute file **INSTALL_CentralWave_ECC.bat** (run as an administrator)
- Start all services that start with “Cransoft Service ...”
 - Open Windows *Start* Menu.
 - Select **Administrative Tools**.
 - Run **Services**.
 - Locate the DSP service(s).

- Right-click the DSP service.
- Select **Start**.
- Repeat the previous two steps for any additional DSP services.
- Start IIS
 - Open Windows *Start* Menu.
 - Open the **Command Prompt** (run as an administrator).
 - Type: **IISReset –start**.
 - Press the **Enter** key.
- Verify “Central Wave” is registered in ADM
 - If Security Roles are configured with access to all data, then the Central Wave will be accessible by those Security Roles.
 - If Content Specific Security Roles are being used then access needs to be provided for the Central Wave.

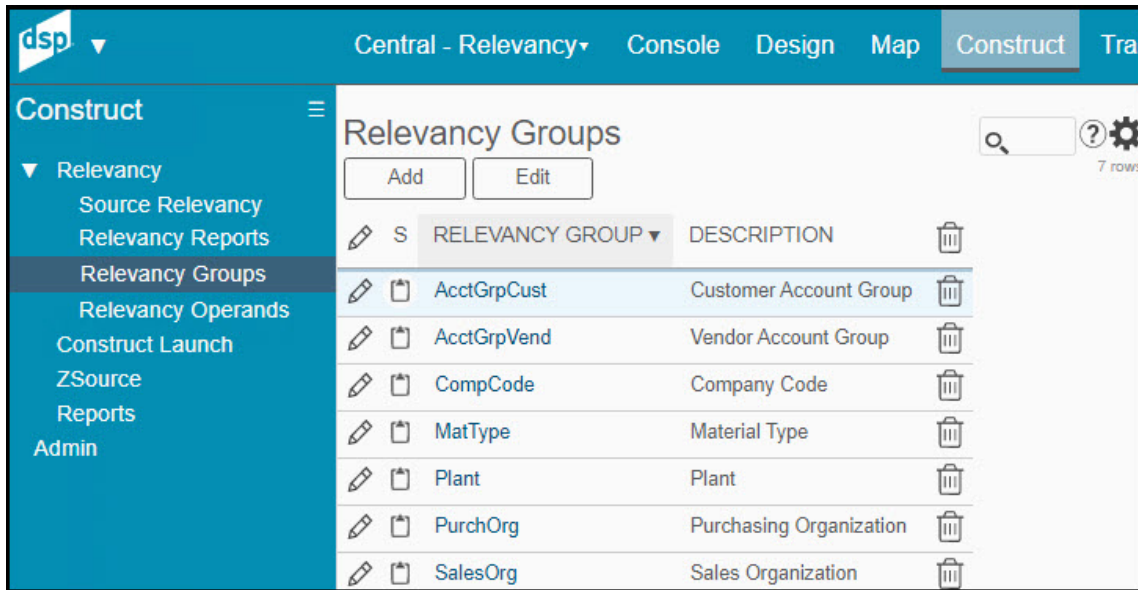
Initial Configuration

Review/Update Construct Tables

Configure Relevancy

Relevancy Groups

The following Relevancy Groups are provided out of the box, however custom Relevancy Groups can be further added to fit the business requirements. Relevancy Groups defined here are used to enter specific **exclude** criteria at the Wave Source Relevancy level.



The Relevancy Groups can be found in the table **ztRelevancyOrgUnitType** – All associated Target Rules are provided in transform. If new Relevancy Groups are added, additional custom rules will need to be developed.

If the relevancy groups shown in the screenshot are not present in the application, then the following script can be run to add the values. Alternatively, the records can be manually added.

```
USE [DataConstructionServer]
GO
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'AcctGrpCust', N'Customer Account Group')
GO
```

```
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'AcctGrpVend', N'Veendor Account Group')
```

GO

```
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'CompCode', N'Company Code')
```

GO

```
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'MatType', N'Material Type')
```

GO

```
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'Plant', N'Plant')
```

GO

```
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'PurchOrg', N'Purchasing Organization')
```

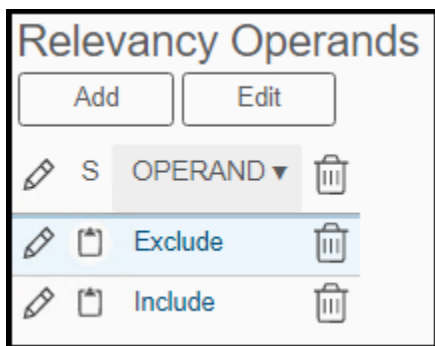
GO

```
INSERT [dbo].[ztRelevancyOrgUnitType] ([OrgUnitType], [Description]) VALUES (N'SalesOrg', N'Sales Organization')
```

GO

Relevancy Operands

“Exclude” and “Include” are provided as out of the box operands. You can add additional operands as needed to meet the business needs. These Operands will be used in defining the specific Wave Source Relevancy.



Operands can be found in table ztRelevancyOperand. The processing logic for additional custom operands has to be developed as additional Transform rules.

Source Relevancy Configuration

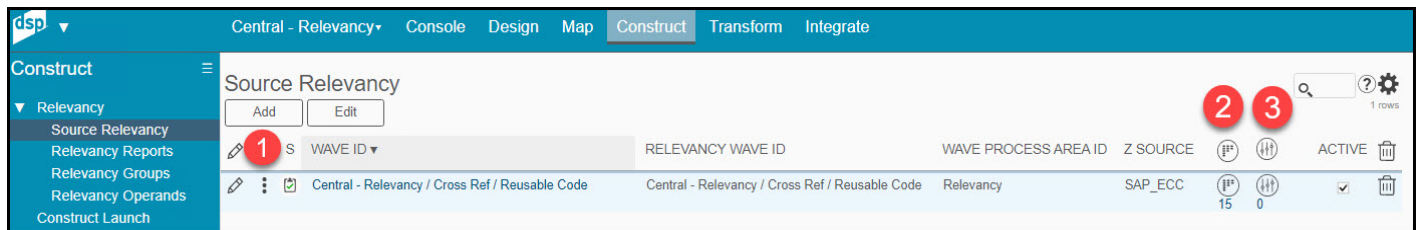
After the Relevancy Groups and Operands have been identified, the relevancy criteria can be captured specific to each Wave source.

Select **Source Relevancy** in the Navigation Pane

Wave Source Relevancy is where you will specify the criteria needed to support relevant record selection at the Wave and source level. The parameters defined in Source Relevancy can be found in the table dcsSourceRelevancy. This table contains the parameters that control the transactional and master data relevancy determination.

The current content has the SAP ECC source mapped with the WaveID as Central Wave. For Migration Waves where different zSources are associated for each Wave, the Wave ID can be retained as Central Wave or WaveID can be the actual Migration Wave (this needs to be mapped in the Source Mapping within Central Wave). If multiple migration Waves share the same zSource then WaveID is updated to the Migration Wave, Source Database needs to be UnionAll view of individual Wave specific source databases, the mapping of WaveID should be updated in Central Wave Source Mapping and finally, WaveID identified Sources can be marked as Active or not in the Source Relevancy configurations to facilitate processing against specific zSources. All source zSources associated to the Central Wave processing area will be affected.

There are three areas within Source Relevancy that require configuration:



1. Vertical View for the Wave zSource:

This is where you will specify most of the details that define relevancy for that specific Wave and zSource combination. Note that there are multiple tabs, and many parameters to be configured within the Vertical View.

General Tab

Source Relevancy ?
Edit
Delete

General
New Days
Old Days
New Date
Old Date

Wave ID	Central - Relevancy / Cross Ref / Reusable Code
z Source	SAP_ECC
Primary Language	E
Client	300
Last Client Refresh	20210325
Vendor_Intercompany	
Customer_Intercompany	
BOM Explosion Limit	10
Relevancy Group	
Relevancy Group Type	Exclude
Copy Relevancy Data	
Copy From Source	
Copy	

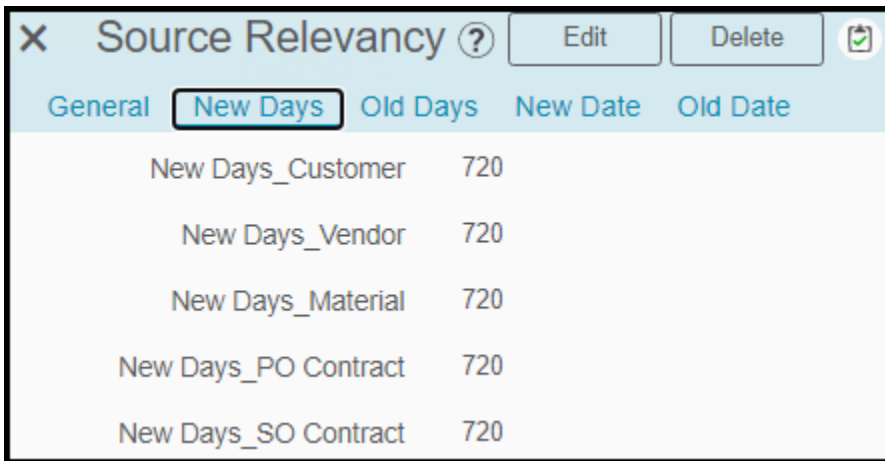
Primary Language	Primary language that is being used (used in Material description and Address selection)
Client	Client number that the relevancy pertains to and is used as the first rule to set the relevant flag
Last Client Refresh	Used in the calculation of days. Example LastClientRefresh - OldDays_APPayment > ttPayments.PrintDate This date is critical for all relevancy criteria based on Days
Vendor_InterCompany	This Account group is recognized as Vendor Intercompany account and should always be deemed relevant from a general view
Customer_InterCompany	This Account group is recognized as Customer Intercompany account and should always be deemed relevant from a general view

BOM Explosion Limit	Number of recursive calls to be made to gather all subsequent component materials
Relevancy Group Type	Indicates Relevancy Group Values are either Excluded or Included ONLY EXCLUDE is currently supported
Copy from Source	Use to copy configuration from another zSource

New Days Tab

The “**New Days**” tab is used to identify the characteristics that will be utilized to identify an object that remains in scope, even without activity, if it falls within the “new days” calculations.

Note: You can only define New Days OR New Date, you cannot use both at the same time.



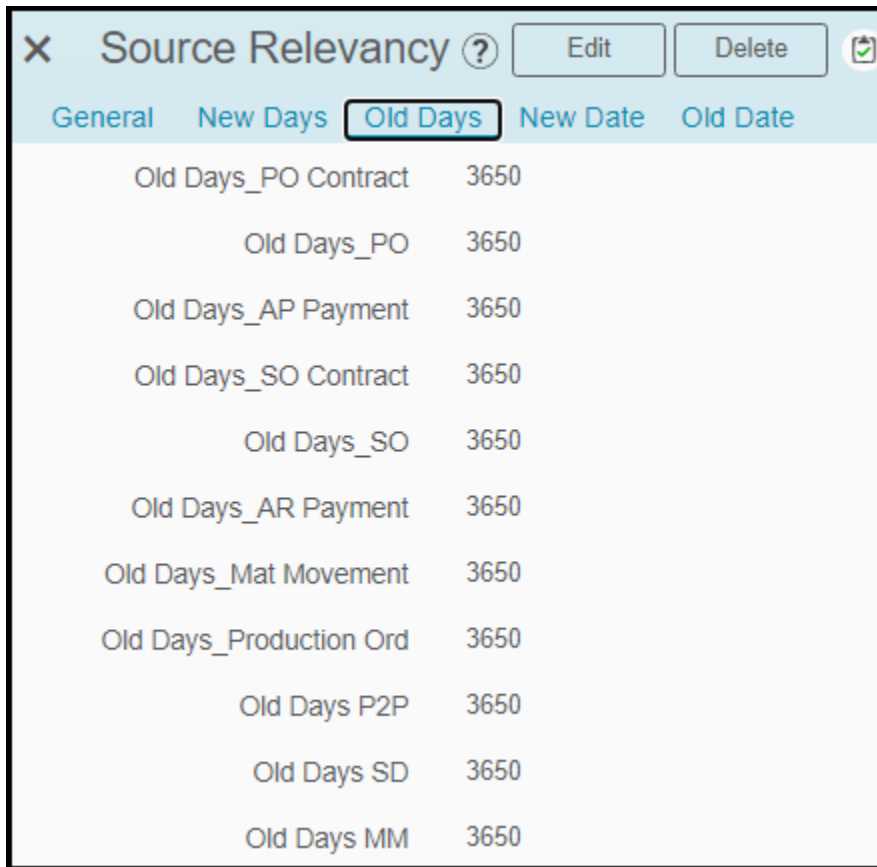
New Days_Customer	Number of days (considering refresh date) after entry date that a Customer is still considered a new Customer and subsequent transactional relevant requirements do not apply
New Days_Vendor	Number of days (considering refresh date) after entry date that a Vendor is still considered a new Vendor and subsequent transactional relevant requirements do not apply
New Days_Material	Number of days (considering refresh date) after entry date that a Material is still considered a new material and subsequent transactional relevant requirements do not apply

New Days_PO Contract	Number of days (considering refresh date) after entry date that a Purchasing contract is still considered new and subsequent transactional relevant requirements do not apply
New Days_SO Contract	Number of days (considering refresh date) after entry date that a Sales Order contract is still considered new and subsequent transactional relevant requirements do not apply

Old DaysTab

The “Old Days” tab is used to identify the timeframe, in days, that will be utilized to identify records that will fall out of scope due to their age. Once transactions or items reach the days from the refresh date (defined on the “General” tab), the object falls out of scope unless specifically overridden.

Note You can only define Old Days OR Old Date, you cannot use both at the same time.



Vendor

Old Days_PO Contract	Number of days (considering refresh date) after DocCreate for ttPurchHeader where PurchCat = K/L * that the record is considered part of the relevant determination of Vendor
Old Days_PO	Number of days (considering refresh date) after DocCreate for ttPurchHeader where PurchCat = F/A * that the record is considered part of the relevant determination of Vendor
Old Days_AP Payment	Number of days (considering refresh date) after ClearingDate for ttAPHistory or PrintDate for ttPayments that the record is considered part of the relevant determination of Vendor

*Note: confirm that the indicated PurchCat(s) are appropriate to the client environment

Customer

Old Days_SO Contract	Number of days (considering refresh date) after DocCreate for ttSalesHeader where OrderCat = B/C * that the record is considered part of the relevant determination of Customer
Old Days_SO	Number of days (considering refresh date) after DocCreate for ttSalesHeader where OrderCat <> B/C * that the record is considered part of the relevant determination of Customer
Old Days_AR Payment	Number of days (considering refresh date) after ClearingDate for ttARHistory or PrintDate for ttPayments that the record is considered part of the relevant determination of Vendor

*Note: confirm that the indicated OrderCat(s) are appropriate to the client environment

Material

Old Days_MatMovement	Number of days (considering refresh date) after MoveDocDate for ttMaterialMovements that the record is considered part of the relevant determination of Material
Old Days_ProductionOrder	Number of days (considering refresh date) after either the ActualFinishDate or ItemFinishDate or SchedRelDate if any are >0 for the ttProductionOrder that the record is considered part of the relevant determination of Material

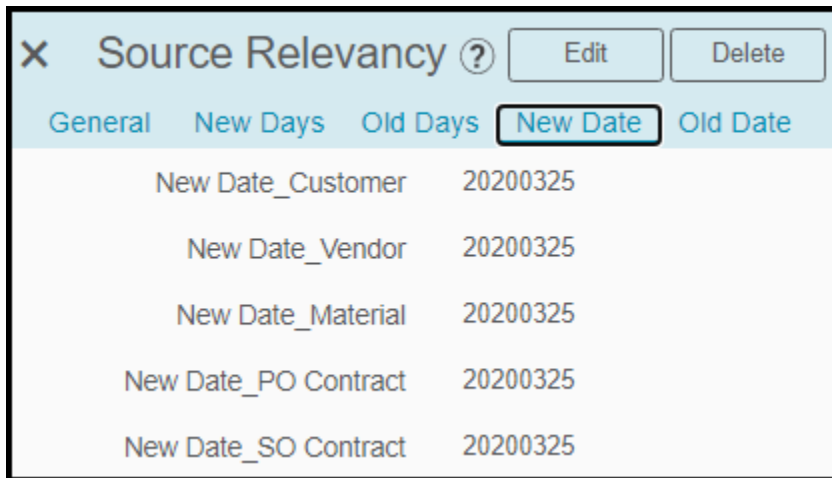
No longer used

Old Days P2P	Not currently used and can be utilized for customization purposes
Old Days SD	Not currently used and can be utilized for customization purposes
Old Days MM	Not currently used and can be utilized for customization purposes

New Date Tab

The “**New Date**” tab is used to identify the timeframe, based on a specific date, that will be utilized to identify records that will remain in scope regardless of the activity for that record. The fields are similar as used to define “NewDays” above.

Note: You can only define New Days OR New Date, you cannot use both at the same time.



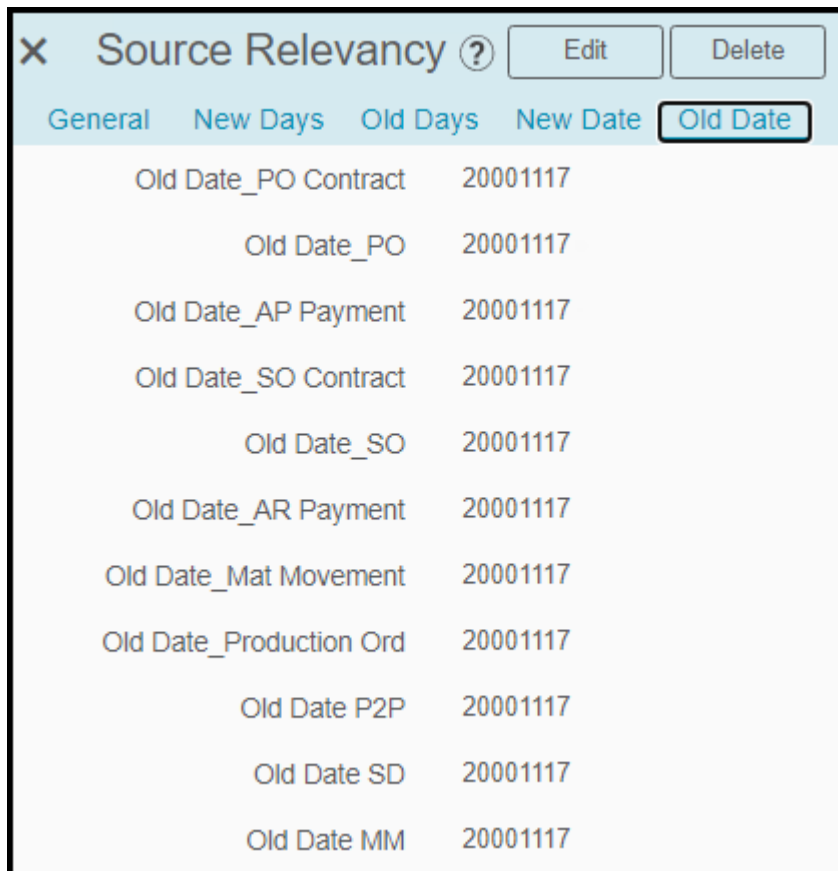
New Date_Customer	The date less than or equal to the entry date when a Customer is still considered a new Customer and subsequent transactional relevant requirements do not apply
New Date_Vendor	The date less than or equal to the entry date when a Vendor is still considered a new Vendor and subsequent transactional relevant requirements do not apply
New Date_Material	The date less than or equal to the entry date when a Material is still considered a new material and subsequent transactional relevant requirements do not apply

New Date_PO Contract	The date less than or equal to the entry date when a Purchasing contract is still considered new and subsequent transactional relevant requirements do not apply
New Date_SO Contract	The date less than or equal to the entry date when a Sales Order contract is still considered new and subsequent transactional relevant requirements do not apply

Old Date Tab

The “Old Date” tab is used to identify the timeframe, based on a specific date, that will be utilized to identify records that will fall out of scope due to their age. If activity occurs prior to the specified date, the item falls out of scope unless specifically overridden. The fields used are similar to those above on “Old Days”.

Note: You can only define Old Days OR Old Date, you cannot use both at the same time.



Vendor

Old Date_PO Contract	The date that is less than the DocCreate for ttPurchHeader where PurchCat = K/L * that the record is considered part of the relevant determination of Vendor
Old Date_PO	The date that is less than the DocCreate for ttPurchHeader where PurchCat = F/A * that the record is considered part of the relevant determination of Vendor
Old Date_AP Payment	The date that is less than the ClearingDate for ttAPHistory or PrintDate for ttPayments that the record is considered part of the relevant determination of Vendor

*Note: confirm that the indicated PurchCat(s) are appropriate to the client environment

Customer

Old Date_SO Contract	The date that is less than the DocCreate for ttSalesHeader where the OrderCat = B /C * that the record is considered part of the relevant determination of Customer
Old Date_SO	The date that is less than the DocCreate for ttSalesHeader where the OrderCat <> B /C * that the record is considered part of the relevant determination of Customer
Old Date_AR Payment	The date that is less than the ClearingDate for ttARHistory or PrintDate for ttPayments that the record is considered part of the relevant determination of Customer

*Note: confirm that the indicated OrderCat(s) are appropriate to the client environment

Material

Old Date_MatMovement	The date that is less than MoveDocDate for ttMaterialMovements that the record is considered part of the relevant determination of Material
Old Date_ProductionOrder	The date that is less than ActualFinishDate or ItemFinishDate or SchedRelDate if any are >0 for the ttProductionOrder that the record is considered part of the relevant determination of Material

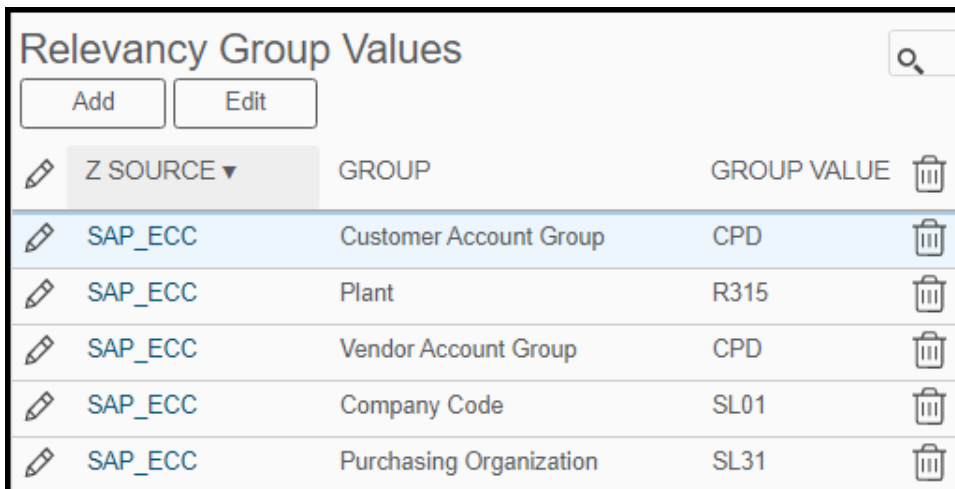
No longer used














Old Date P2P	Not currently used and can be utilized for customization purposes
Old Date SD	Not currently used and can be utilized for customization purposes
Old Date MM	Not currently used and can be utilized for customization purposes

2. Relevancy Group Values

Next, Click Relevancy Group Values Icon 

This is where you will specify which values are to be **Excluded*** from the dataset. The Relevancy Groups allowed here were configured in “Relevancy Group” page.



Relevancy Group Values				
<input type="button" value="Add"/>		<input type="button" value="Edit"/>		
 Z SOURCE ▾	GROUP	GROUP VALUE		
 SAP_ECC	Customer Account Group	CPD		
 SAP_ECC	Plant	R315		
 SAP_ECC	Vendor Account Group	CPD		
 SAP_ECC	Company Code	SL01		
 SAP_ECC	Purchasing Organization	SL31		

* Only Excluded is currently supported through the delivered Content

This data is stored in the table **dcsSourceRelevancyOrgUnit**, which contains by zSource, the *NOT* relevant OrgUnit(s) defined in the **ztRelevancyOrgUnitType** table. If not populated, then all entries associated to that Relevancy Group are deemed relevant.

Relevancy Group definition is only for excluding specific values, not for defining which are relevant. The reasoning is that by forcing the client to indicate Non-relevant values, all values will be taken into consideration verses just indicating relevant values and missing unused, little used or new values.

3. Override

Finally, there is the Override Icon.



Override is where you will specify exact values to be included or excluded (or other Operands defined above). This section is specific to indicating records that will be excluded/ included based on criteria defined in Source Relevancy or Relevancy Group Values.

Excel integration has been enabled for this page so you can upload the values from a spreadsheet if needed.

Following are some examples for reference:

Relevancy Override					
WAVE ID ¹	Z SOURCE ³	OBJECT ²	OPERAND ⁴	LEGACY PRIMARY KEY ⁵	ACTIVE
Central - Relevancy / Cross Ref / Reusable Code	SAP_ECC	Customer Master Relevancy Processing	Exclude	0000010302	<input checked="" type="checkbox"/>
Central - Relevancy / Cross Ref / Reusable Code	SAP_ECC	Vendor Master Relevancy Processing	Exclude	0000000015	<input checked="" type="checkbox"/>
Central - Relevancy / Cross Ref / Reusable Code	SAP_ECC	Vendor Master Relevancy Processing	Include	0000000025	<input checked="" type="checkbox"/>

Each entry can be flagged as Active or not.

Note This Override will **not** supersede criteria for downstream objects. For example, if a BOM is included as relevant but one of the Materials on that BOM is on the Override page to be excluded, that Material will not actually be excluded because it is a component on a BOM that is relevant. You could however exclude the specific BOM itself.

The data for Overrides is stored in table **dcsRelevancyOverride**.

Excel Integrate has been activated to allow download and upload capability.

Relevancy sequencing is as follows:

- Relevancy is processed first against date/ days (Defined in the Vertical view of zSource). Records are flagged relevant or not based on the parameters provided. These can be superseded by Relevancy Group or Override definitions.
- After dates have been used to include/exclude records, Relevancy Group exclusions are then processed. If an item was flagged as relevant from date processing, it can be flagged as not relevant based on Relevancy Group exclusions. Relevancy Group relevancy will always trump relevancy assigned based on dates/days.
- Final processing is done against the specific Overrides defined. However, Overrides must work in conjunction with Relevancy Group definitions.

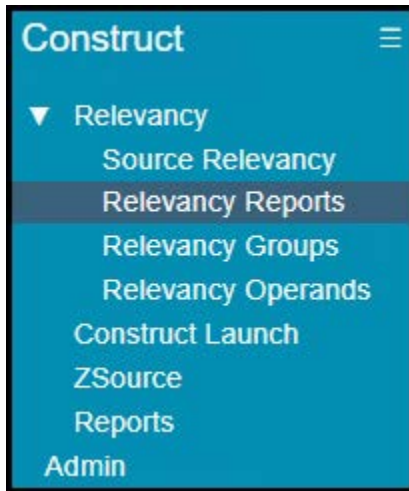
Example: A Customer Account group is excluded in Relevancy Group Values but you add the Customer itself to the Override page. The Account Group flagged as not relevant will supersede the Customer

assigned in the Override page – you will not be able to include the Customer if its Account Group is not relevant.

Relevancy Reports

Displays a compilation of the reports that are generated in ADM for easier reference.

Note: The Master data reports that are provided are in their own target so that any inter target rules can be executed before any of the reports are generated.



These reports can be found in Transform, Target Reports but are dynamically updated on this menu option for a central reference. Some examples include:

RELEVANCY WAVE ID ¹	OBJECT ²	REPORT NAME ³	
Central - Relevancy / Cross Ref / Reusable Code	Customer Master Relevancy Processing	tvCustomerCompany_CompanyCode_MissingSel	
Central - Relevancy / Cross Ref / Reusable Code	Customer Master Relevancy Processing	tvCustomerCompany_CustomerNumber_MissingSel	
Central - Relevancy / Cross Ref / Reusable Code	Customer Master Relevancy Processing	tvCustomerCompany_RulebookSel	
Central - Relevancy / Cross Ref / Reusable Code	Customer Master Relevancy Processing	tvCustomerCompany_WaveID_MissingSel	
Central - Relevancy / Cross Ref / Reusable Code	Customer Master Relevancy Processing	tvCustomerCompany_zLegacyCompanyCode_MissingSel	
Central - Relevancy / Cross Ref / Reusable Code	Customer Master Relevancy Processing	tvCustomerCompany_zLegacyCustomerNumber_MissingSel	

Security Configuration

Prior to users being able to login and view data in CentralWave_ECC pack, security must be configured. Users must be provisioned in the Data Stewardship Tier before they will be able to access the tool.

Navigate to the DSP Admin -> Security page.

- Expand the security menu -> Expand the Security Definitions menu

- Select Security Roles
- Identify the Role(s) that require access to CentralWave_ECC pack

CentralWave - Scope of relevancy

Once CentralWave_ECC pack has been installed and setup, it will pre-populate Objects required to support relevancy processing in Advanced Data Migration within Wave: Central and Process Area: Relevancy.

The priorities of the Objects and Targets has been determined and should not be re-sequenced without significant review.

The system is delivered with the following Objects:

Central - Relevancy ▾ Console Design Map Construct Transform Integrate									
Objects								<input type="text"/> ? ⚙️ <small>6 rows</small>	
PRIORITY ▾	OBJECTID	DESCRIPTION							
10	Business Transactions	Transactional Relevancy Processing	14	1					
20	Material Master Relevant	Material Master Relevancy Processing	10	1					
30	Customer Master Relevant	Customer Master Relevancy Processing	6	1					
40	Vendor Master Relevant	Vendor Master Relevancy Processing	5	1					
1000	Business Entity Relevant Only	Business Entity Relevant Records Only (Customers / Vendors)	1	1					
2000	Material Master Relevant Only	Material Master Relevant Records Only	1	1					

These objects have supporting Targets as follows:

- Business Transactions

Targets						<input type="text"/> ? ⚙️ <small>14 rows</small>			
⋮	S	PRIORITY ▼	OBJECT	TARGET ID	DESCRIPTION	📄	☰	🔍	📊
⋮	🔗	10	Business Transactions	ttAROpen	Accounts Receivable - Open	1	1		23
⋮	🔗	20	Business Transactions	ttAPOpen	Accounts Payable - Open	1	1		23
⋮	🔗	30	Business Transactions	ttARHistory	Accounts Receivable - History	1	1		21
⋮	🔗	40	Business Transactions	ttAPHistory	Accounts Payable - History	1	1		21
⋮	🔗	50	Business Transactions	ttPayments	Payments	1	1		15
⋮	🔗	60	Business Transactions	ttPurchHeader	Purchase Header	1	1		21
⋮	🔗	70	Business Transactions	ttPurchLine	Purchase Line	1	1		19
⋮	🔗	80	Business Transactions	ttPurchPartners	Purchase Partners	1	1		19
⋮	🔗	90	Business Transactions	ttSalesHeader	Sales Header	1	1		19
⋮	🔗	100	Business Transactions	ttSalesLine	Sales Line	1	1		17
⋮	🔗	110	Business Transactions	ttSalesPartners	Sales Partners	1	1		14
⋮	🔗	120	Business Transactions	ttProductionOrder	Production Orders	1	1		18
⋮	🔗	130	Business Transactions	ttMaterialMovement	Material Movements	1	1		23
⋮	🔗	140	Business Transactions	ttPlannedOrder	Planning Orders	1	1		14

- Material Master Relevant

Targets ? ⚙️ 9 rows

S	PRIORITY	OBJECT	TARGET ID	DESCRIPTION				
10	Material Master Relevant	ttMaterialSales	Material Sales	1	1	17		
20	Material Master Relevant	ttMaterialLocation	Material Storage Locations	1	1	12		
30	Material Master Relevant	ttMaterialPlant	Material Plants	1	1	32		
40	Material Master Relevant	ttMaterial	Material Basic	1	1	49		
50	Material Master Relevant	ttMaterialAltUOM	Material Alternate Unit of Measure	1	1	17		
60	Material Master Relevant	ttMaterialCosting	Material Costing	1	1	19		
100	Material Master Relevant	ttBOMHeader	BOM Headers	2	1	34		
110	Material Master Relevant	ttBOMComponent	BOM Component	2	1	42		
120	Material Master	ttBOMExplosion	Relevant BOM Components via BOM Explosion	1	1	29		

- Customer Master Relevant

Targets ? ⚙️ 5 rows

S	PRIORITY	OBJECT	TARGET ID	DESCRIPTION				
10	Customer Master Relevant	ttCustomerPartner	Customer Partners	1	1	19		
20	Customer Master Relevant	ttCustomerCredit	Customer Credit	1	1	6		
30	Customer Master Relevant	ttCustomerCompany	Customer Company	1	1	14		
40	Customer Master Relevant	ttCustomerSales	Customer Sales	1	1	17		
50	Customer Master Relevant	ttCustomerGeneral	Customer General	1	1	51		

- Vendor Master Relevant

Targets ? ⚙️ 4 rows

	S	PRIORITY ▼	OBJECT	TARGET ID	DESCRIPTION				
	📄	10	Vendor Master Relevant	ttVendorPartner	Vendor Partner	📄	📄	🔍	📊
						1	1		17
	📄	20	Vendor Master Relevant	ttVendorCompany	Vendor Company	📄	📄	🔍	📊
						1	1		16
	📄	30	Vendor Master Relevant	ttVendorPurch	Vendor Purchasing	📄	📄	🔍	📊
						1	1		11
	📄	40	Vendor Master Relevant	ttVendorGeneral	Vendor General	📄	📄	🔍	📊
						1	1		48

- Business Entity Relevant Only – used for subsequent processing e.g., psaAddress, psaHarmonization

Targets ? ⚙️ 1 rows

	S	PRIORITY ▼	OBJECT	TARGET ID	DESCRIPTION				
	📄	10	Business Entity Relevant	ttBusinessPartner_Relevant	Customers, Vendors	📄	📄	🔍	📊
						3	1		

- 1) Material Master Relevant Only – used for subsequent processing e.g., psaHarmonization

Targets ? ⚙️ 1 rows

	S	PRIORITY ▼	OBJECT	TARGET ID	DESCRIPTION				
	📄	100	Material Master Relevant	ttMaterial_Relevant	Materials	📄	📄	🔍	📊
						1	1		6

NOTE: It is highly suggested that subsequent target processing utilize views back to dswCentral as the means to either:

- Insert into Source only relevant records and utilize the reconciliation counts from the Relevancy process
- Insert into Source all records and delete out non-relevant records

It is also highly suggested that the determination of account groups and material types occur within the relevancy processing so that any subsequent quality reporting can be written with the validation utilizing the “new” determination and not the old.

Following are the Primary relevancy transaction tables, used to define transaction activity that will drive Master Data object relevancy. They are included as a part of the “Business Transactions” object.

Each of these tables will need to be mapped to the legacy source to bring in system-agnostic fields. This should be completed via the standard ADM process (Design, Map, Transform, etc.). The PSA provides default mapping and processing for SAP_ECC. This mapping should be reviewed for any unique Client differences.

Note: The fastest way to get CentralWave_ECC pack processing is to setup Collect to put the SAP_ECC tables into sdbSAP_ECC. For more than one SAP system, please reach out to SMT for viable options depending on the circumstances.

Target	Reason	Relevancy Object	Fields used in Target Relevancy Rules (Needs to be populated)
ttAROpen	Customers with Open Receivables within Company Code	Customers	CompanyCode
ttAPOpen	Vendors with Open Payables within Company Code	Vendors	CompanyCode
ttARHistory	Customers that have done any type of financial transaction within company code within relevancy period	Customers	CompanyCode, Clearing Date
ttAPHistory	Vendors that have done any type of financial transaction within company code within relevancy period	Vendors	Company Code, Clearing Date

Target	Reason	Relevancy Object	Fields used in Target Relevancy Rules (Needs to be populated)
ttPayments	Any payments to Customers/Vendors not through AR/AP i.e. Broker within Company code within relevancy period	Customer/Vendors	Company Code, Print Date
ttPurchHeader	Purchase orders/Contracts within relevancy period and relevant Purchase Org	Vendors and partners	DocDate, PurchOrg
ttPurchLine	Line items associated to relevant PO Headers within relevant plants	Vendors/Materials	PurchDoc on join, Plant
ttSalesHeader	Sales orders/Contracts within relevancy period and relevant Sales Org	Customers and partners	DocDate, SalesOrg
ttSalesLine	Line items associated to relevant SO Headers within relevant plants	Customers/Materials	SalesDoc on join, Plant
ttSalesPartners	All Sales Order partners to relevant SO	Customers and partners	SalesDoc on join

Target	Reason	Relevancy Object	Fields used in Target Relevancy Rules (Needs to be populated)
ttProductionOrder	All Production Orders where either the ProdHeader material number is populated and/or ProdLine material number is populated within relevant plants and within relevancy period. Item Finish Date is checked first then Actual Finish date then Schedule Release Date. Record is deleted if all three dates are not populated	Materials	MaterialNumber, HeadMatNumber, PlanningPlant, DeliveryPlant, SchedRelDate, ActualStartDate, ActualFinishDate, ItemFinishDate
ttMaterialMovement	All movements where the Material number is not blank	Materials	MoveDocDate Plant, CompanyCode MaterialNumber

Following are the Secondary transaction tables used to capture additional details for determining relevancy. These tables also require mapping to legacy tables and fields.

They can be found in the “Relevant” Objects (e.g., “Material Master Relevant”).

Target	Reason	Relevancy Object	Fields used in Target Relevancy Rules (Needs to be populated)
ttBOMHeader	Bill of Material Headers	Materials	
ttBOMComponent	Bill of Material Components	Materials	
tBOMExplosion	Explosion of all the materials tied to the BOMs up to the number of levels specified in dcsSourceRelevancy	Materials	MaterialNumber and Plant
ttCustomerPartner	Customer is relevant if partnered to a relevant customer that is not itself	Customer	
ttCustomerCompany	Customer Company is relevant if there is Open AR or AR History or within New Customer date range	Customer	CustomerNumber, CompanyCode, CreateDate

ttCustomerCredit	To populate credit amounts on Customer master for downstream use	Customer	CustomerNumber
ttCustomerSales	Customer Sales is relevant if there is Open Sales or Sales History or Sales Contract	Customer	CustomerNumber, SalesOrg, DistChannel, Division,
ttCustomerGeneral	Customer is relevant if any of the above records are relevant or is used in Sales Partners or is new	Customer	CustomerNumber, CustomerCreatedOn
ttVendorPartner	Vendor is relevant if partnered to a relevant vendor that is not itself	Vendor	
ttVendorPurch	Vendor Purchasing is relevant if there is Open PO or PO History or PO contracts	Vendor	VendorNumber, PurchOrg, PurchCat, Status
ttVendorCompany	Vendor Company is relevant if there is Open AP or AP History	Vendor	VendorNumber, CompanyCode
ttVendorGeneral	Vendor is relevant if any of the above records are relevant or is a partner to a relevant vendor or is new	Vendor	Vendor, VendorCreatedOn
ttMaterialSales	Material Sales is relevant if there is Open Sales or Sales History or Sales Contract or used a pricing reference material	Material	MaterialNumber, SalesOrg, DistChannel
ttMaterialLocation	Material Location is brought in for later use on inventory levels	Material	MaterialNumber, Plant, Rest Stock, Unrest Stock
ttMaterialPlant	Material Plant is relevant if there is an Open PO, PO History, Open SO, Sales Order History, PO Contract, SO Contract, Inventory levels	Material	MaterialNumber, Plant
ttMaterial	Material is relevant if any of the above are relevant or is used on a BOM	Material	MaterialNumber

Naming Conventions

The Relevancy tool follows Syniti naming conventions. SQL objects are named as follows:

stCusotmerSales_SAP_ECC_KNVV = Source Table

Source tables contain source data used for an application or migration in the data model that corresponds to the system it originated from.

ttCustomerSales = Target Table

Target tables contain staged or application data in generically named fields.

tvMaterialLocation_zRelevant_IsFalseSel = Target View (Select)

Target views are reports or other saved views related to transformed or application data.

svLFA1_Mariposa_EKPO_POsFromMariposaSel = Source View (Select)

Source views are reports or other saved reference data that is limited to data in a source system.

dcsSource_Relevancy = Configuration Table

Configuration tables contain lists of values, parameters, or other configuration elements.

xtLFA1 = Cross Reference

Cross-references provide source-to-target or other tabular data references.

Design Notes

Target Design

- a. Key fields are always set and include zSource
- b. zRelevant is set to True in the design (deemed relevant) as well as any other Bit type fields. The target rules update the zRelevant flag as needed to 0.
- c. zRelevantOverrideReason is there for Indication of which relevancy criteria was used to determine status of non-relevant. If a record is deemed not relevant due to Relevancy Group relevancy rule, a specific object key inclusion will not override that rule. For example, a customer is tied to an account group deemed not relevant but that customer is in the inclusion list. The relevancy will not be overridden since it is assumed that the account group will not exist. This field can be used for additional reasons, however, it is suggested any new rules be placed toward the end.
- d. Target is always brought into the System type for dswCentral through Platform> Common> System Types > vertical of CentralWave > Import button
- e. Target is brought into Design through either the target table or the system type, all fields are marked active
- f. All of standard ADM automation performs as expected

Source Design

- a. Tables are created as part of automation with zActive coming in and defaulted to 1
- b. Target Source configuration is delivered using SAP_ECC System Type
- c. Source can be brought into MAP and mapped allowing the automation engine to create and register the subsequent views and rules. If Mapping is created or changed (from the pre-delivered SAP_ECC) mapping and the target is a transactional target, automation should be

rule then psaPerformanceBench mapping will need to be refreshed and the rules re-created to take into consideration the mapping changes

Target Rules

Transaction based Target Table Rules

- Set zDelete flag True based on OldDays or OldDate configuration in Source Relevancy vertical view
- Set zDelete flag True based on Group Values configured in Relevancy Group Values page
- Missing master data elements can set the zDelete Flag
- Registered Rule 100 – Deletes records flagged for deletion in previous rules. Any custom rule added to set the zDelete flag must be registered prior to the trXXXXXX_zDelete_is1DelSel rule.

Master Target tables Rules

- Set flags and counts associated with transaction tables.
- Set zNew flag True based on NewDays or NewDate configuration in dcsSourceRelevancy
- Set zRelevancy flag True based on the set of flags from all the associated transaction tables
- Set zRelevancy flag False according to the Relevancy Group Values configuration
 - Note: If the Relevancy Group in question is Account Group or Material Type, there are rules that will exclude associated master data records in previously processed target. Example: Customer account group Z100 is not relevant, then Customer Company, Sales, Partner records will also be designated not relevant
 - This is WHY all of the associated reports are at the end of processing the object.
- Set zRelevancy flag False according to the Override Exclusion list
- Set zRelevancy flag True according to the Override Inclusion list IF not excluded due to Relevancy Group exclusion list

NOTE: The following fields are included to support capture of “new” Account Group/Material Type values. It is suggested new account group/material type values be determined in Central Wave. Those fields can then be used for Source Quality reporting (In situations where the values are changing)

ttCustomer General	<ul style="list-style-type: none"> • zLegacyKTOKD • zKTOKD
ttMaterial	<ul style="list-style-type: none"> • zLegacyMTART • zMTART

ttVendor General	<ul style="list-style-type: none"> • zLegacyKTOKK • zKTOKK
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Source Rules

Transaction based source tables rules

- All rules are generated through MAP and Automation
- It is assumed that only one client is in the source tables (controlled using Collect packages)
- If psaPerformanceBench is utilized, the AutoGen rules will be marked BulkUpd and several Stored Procedure rules will be generated that aggregate the Copy, Xref and Default rules into a single Stored Procedure. There will be a new insert into Source Stored Procedure and well as a new insert into Target

Master source tables rules

- a. All rules and inserts are generated through MAP and Automation
- b. It is assumed that only one client is in the source tables (controlled through the collect packages)

Note: It is highly suggested that ALL master records are brought into target so that reconciliation numbers are easier to validate from source to target.

Appendix A:

Configure psaPerformanceBench for Central Wave (Optional)

As recommended, psaPerformanceBench should be installed and used for large data volumes for performance improvement and efficient execution of the targets. Once psaPerformanceBench is installed, it should be configured for the Targets registered under the Object '*Business Transactions*'. These include the following:

- ttAPHistory
- ttAPOpen
- ttARHistory
- ttAROpen
- ttMaterialMovement
- ttPayments
- ttPlannedOrder
- ttProductionOrder

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- ttPurchHeader
- ttPurchLine
- ttPurchPartners
- ttSalesHeader
- ttSalesLine
- ttSalesPartners

psaPerformance Bench aggregates all of the default and copy rules into the Target Insert rule as well as tuning the Insert of sdb Source to st source table and enhancing the delete statement.

Navigate to **psaPerformanceBench > Objects/Targets**

WAVE NAME	PROCESS AREA	NAME	Grid Icon
Central	Relevancy	Business Transactions	14
Central	Relevancy	Business Entity Relevant Only	1
Central	Relevancy	Customer Master Relevant	6




Click the Targets Icon  on the Business Transactions line. The lower frame will display all the Targets listed above.

WAVE OBJECT	PROCESS AREA	TARGET	ACTIVE	RULE BUILD	RULE BUILD ON	RULE BUILD BY	BULK RULED PROCESS ON	DSP DATA BLOCK MAX	Grid Icon
Central-Relevancy-Business Transactions	Central-Relevancy-Business Transactions	ttAPHistory	✓	✓	3/25/2021 10:56:00 AM	TKaranovich	3/30/2021 2:28:00 PM	1	2
Central-Relevancy-Business Transactions	Central-Relevancy-Business Transactions	ttAPOpen	✓	✓	3/25/2021 11:29:00 AM	TKaranovich	3/30/2021 2:28:00 PM	1	2
Central-Relevancy-Business Transactions	Central-Relevancy-Business Transactions	ttARHistory	✓	✓	3/25/2021 7:14:00 PM	TKaranovich	3/30/2021 2:28:00 PM	1	2


Confirm each target is activated













Indicates the record is **Active**. Clicking the  Icon will Inactivate the record.







Indicates the record is **Inactive**. Clicking the  Icon will Activate the record.

• Click Sources Icon 

Target Sources - Mappings <small>Central-Relevancy-Business Transactions-ttAPHistory</small>						
Edit      						
S	TARGET	ST TABLE	SOURCE	SOURCE DATABASE OBJECT	ACTIVE	TRUNCATE TARGET
		BUILD OPTION	BULK RULE WHERE	WHERE CLAUSE OVERRIDE	PRIORITY	RULE BUILD ON
 	ttAPHistory	stAPHistory_SAP_ECC_BSAK Combine Default, Copy with Insert Rule followed by Action Type	SAP_ECC	BSAK	✓	Source:40 3/25/2021 10:56:00 AM
 	ttAPHistory	ttAPHistory	{Target Rules}	TargetTable		

Confirm the Source Table Line is Activated. This will activate bulk processing for this source table.

If any mapping changes were done, refresh the mapping 

Build the rules 

Once all Target and Source tables have been activated navigate to Transform -> Business Transactions and process each target listed above to verify it is error free. You will see that the “normal” rules have been de-activated and new rules added