

Data Sheet

Injecting Relationships between the MDM Records Using Batch Process

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Overview:

Inject relationships between MDM records using the batch process and facilitate data management in Customer 360. This guide details the steps for configuring the mapping, taskflow, and ingress job.

Pre-Requisites

- Secure Agent should be up & running.
- Flat File to load relationship.
- Flat File connection
- B360 connection
- A pre-defined relationship for the Business Entity

Sample Flat File with the Relationship Data

	A	В
1	From ID	To ID
2	65d06b98708abd14b014e1b8	65d06c35d93af81b6851d230
3		

Steps to configure the Mapping



• Step 1: Choose the appropriate flat file connection & select the source file as shown below.



Properties Preview Source								
General	Details	1						
Source	Connection:* Anjali_Source (Flat File) View New Connection New Parameter	tion:* Anjali_Se						
Fields	Source Type:* Single Object	Type:* Single O						
Partitions	Object:* relationship_source.csv Select Formatting Options Preview Data	* relations						

 Step 2: Define the relationship sourcePKey (here it is concatenation of FromID & ToID), sourceSystem.

Properties Petrolew for Expression									
General	Operation Checke simple sequescions. You can chip use expression motors to create complex expressions.								
Incoming Fields	Expressions							$\odot \odot \odot$	
Expression	Field Nome	Expression	Default Value	Туре	Precision	Scole	Field Description	Link Path	
	rel_sourcePKey	Configure	ERROR('transformation error')	prints	100	0		ol6	
Advanced	sectorium.	Configure	ERROR('transformation error')	phing	25	0		00	

- Step 2.1: Create 2 variables as shown in the above image.
- Step 2.2: Name them as rel_sourcePKey & srcSystem and assign them the appropriate values as shown below:

Expressions					
Field Name	Expression				
rel_sourcePKey	FromID ToID				
srcSystem	'b360.default.system'				

- Step 3: Complete the field mapping as shown below.
 - Step 3.1: Go to Target and select the B360 connection & the appropriate relationship.

Properties Previe	w 🎦 Target				
General					
Incoming Fields	Connection:*	Business 360 Connection (Business 360)	View	New Connection	New Parameter
Target	Operation:*	Home/Customer 360/Relationships/Child	Select	Preview Data	
Torget Fields					





• Step 3.2: Go to Field Mapping & map the fields as shown below:

Properties Previe	en. 🐺 gedet			
General	Input Fields: (5 of a support)		Target Fields: (d of d) mapped)	
Incoming Palido	Nyantar 🔁		B)	
Target		Shov: Show All • Ind		Phov: Show All • Pind
Torget fields	Feld ■ ✓ Expession	Kay	Eenenthone ▼ * not*	Hispped Peld
Input Settings	👻 nijozetky		♥ Cvid	
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			efect-editor/Date	
			and individuals	

- Step 4: Set the InOut Parameter
 - Step 4.1: Go to Parameter & click on '+' sign present next to InOut parameter.

to Advanced 🛛 🜒	Save Run 🔄 泠 🕅	v 🖻 🕴
Parameters		\otimes
Input Parameters		÷
	No Input Parameters.	
In-Out Parameters		(+
	No In-Out Parameters.	

• Step 4.2: Create the jobInstanceId as shown below.



New In-Out Para	meter	\otimes
Name:*	jobInstanceId	
Description:		
Data Type:*	string •	
Precision:*	55	
Scale:	0	
Is expression variab	le	
Default Value:		
Retention Policy: *	On success or warning 🔹	
Aggregation Type:*	Max 💌	
0	οκο	ancel
0		

Steps to configure the Mapping Task

- Step 1: Go to the 'three dots' in the right corner of the page.
- Step 2: Click on 'New Mapping Task'

Save Run	a 🖉 🛃 🖸 💼 🚺 (
	New Mapping Task New Dynamic Mapping Task Save Run
No Input Parame	Flow Run Order
stri	✓ Parameters Panel Validation Panel SQL ELT Preview Panel Advanced Properties

• Step 3: Name the mapping task and click on next.



w mt_relationsh	ip		
Definition 2	In-Out Parameters (3) Schedule		
look Datolla	1		
lask Nome: *	mt relationship		
ocofion:*	Anjol_Project'\Anjol_Assests	Browse	
Ascription:			
nima Environment *	anini farum Anant 🛛 🗸	0	
opping.*	m_relationship	Select	
pping Image: m_r	elationship		
			L

• Step 4: Click on 'Next'

New mt_re	lationship								
1 Definition	In-Out Parame	ders 3 Schedule							
In-Out Porc	ametera								
Report All	1								
In-Out Por	ometers								
Action	Nome	Desc	Type(prec, scale)	Default Value	Value	Retention Policy	Aggregation Type		
0	jobinatoricald		string(55)			On success or worning	Max		
								1	
(7) Sove								< Bock Next >	Finish

• Step 5: Click on 'Finish'.

Steps to configure the Taskflow

• Step 1: Click on 'New'



• Step 2: Click on 'Taskflow' then 'Single Task'







• Step 3: Name the Taskflow.

tf_relationship	Properties	
General	Step Type: Start	
Start	Name: * tf_relationship	
Input Fields	API Name:	? Override API Name
Output Fields	Location: Anjali_Project\Anjali_A	Assests Select
Temp Fields	Description:	
Advanced		
Notes		

• Step 4: Define the Input task as shown below.

f_relationship Pr	🔮 4_relationship Properties							
General	Input Fields (1)						*	
Store	Nome	Туре		Description	Required	Initial Value		
Input Fields	jobinstanceld	Test						

• Step 5: Go to Data Task and choose the Mapping Task.

Data Task 1 Properties						
General	Data Task: *	mt_relationship	Select			
Data Task	Туре:	Mapping Task				
1	Location:	Anjali_Project/Anjali_Assests]			
Input helds	Description					
Events	Executes the sp	pecified Data Task.				

• Step 6: Go to Input Fields in the Data Task & click on the '+' to define the variable 'jobInstanceId'

🟓 Data Task 1 Prop	perties			•••
General Data Task	Input Fields (1)			
	Name	Туре	Value	Path
Input Fields	jobInstanceId	Text	Field: jobInstanceId	$mt\text{-relationship} \rightarrow Inout \rightarrow jobInstanceId$
Events				





• Step 7: Click on the 'Pen'

General					
Data Task	Input Fields (1)				•
	Name	Type	Value	Pah	
Input Fields	johinaranceid	Text	Field: jobinaturceld	nn-wlationship Incur jobitnamentd	08
Events					
Error Handling					

• Step 8: Select 'Field' and jobInstanceId

Edit Value			\otimes
	Field		•
	jobInstanceId 🔻		
		OK	Cancel

• Step 9: Save & Publish the Taskflow

Steps to configure the Ingress Job

• Step 1: Create a New Ingress Job

New Asset		\otimes
Select an asset category and	d create an asset.	
Model Source Systems	Ingress Define jobs to import data from data sources to Business 360 data store.	
Business Applic	Recover a Failed Job Define a job to complete processing the records of a failed job.	
Jobs	Egress Define jobs to export data from Business 360 data store to other data sources.	

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• Step 2: Name the job as shown below

Ingress : ingress	_relationship	\otimes
Display Name:* Internal ID:* ② Description:	ingress_relationship	
Location:*	Anjoli_Assests Browse	OK Cancel

• Step 3: Select the taskflow and 'Save' & 'Run' it

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	(julatoulia	//kvial_trainet/kvial_kannts	Riblind		ONE	//CultimeGell	

Results

• Ingress is successfully completed.

ingress_re	lationship 🛛 🖬 Success							Redort	Dep Lost Refreshed : Feb 20, 2024, 1:52:03	274 G 🔕
	1 Torget Assets		1 input Rows		1 Success Rows		0 Bron Rows		1 Svocess Records	
Job Run Time										
Short Time: End Time: Duration:	Feb 20, 2024, 1x8:34 Fm Feb 20, 2024, 1x8:04 Fm Feb 20, 2024, 1x8:09 Fm O0 heurs 02 mins 35 sets									
MDMingress	1									_
Job Instance	Botnet Transform Las	ol IndexforSearch Generate Takena	Sur	Toulom		index for Se	EM			
<u>Overview</u> Runtime Paras	Indunce ID Job Type Status Start Time End Time Duration	944508248873033728 53503mgres.bood 54-50, 2004, 148.04 PM Reb 20, 2004, 148.04 PM Reb 20, 2004, 148.04 PM OD Reurs 02 mins 35 sets								



• Go to Customer 360 and search the record.

		Person • Sandhya	Q 35 Partner - Lumen Data 🗸 🏴 🐣 ?
s	earch Results: Sandhya (Showing 4 of 4) None Selected 🔻		0 Ut
C	Sandhya Prajepsti Bainkas Di MOMODODISSESS Source Business Di MOMODODISSESS Source Primary Kayi 65606635632447166516230 First Name: Sandhya Last Name: Prajepsti Gender: Female	Designation: House Wife	•

• Go to the Relationship Tab & check the relationship.





Authors



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About LumenData

LumenData is a leading provider of Enterprise Data Management, Cloud & Analytics solutions. We help businesses navigate their data visualization and analytics anxieties and enable them to accelerate their innovation journeys.

Founded in 2008, with locations in multiple countries, LumenData is privileged to serve over 100 leading companies. LumenData is **SOC2 certified** and has instituted extensive controls to protect client data, including adherence to GDPR and CCPA regulations.



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