

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.

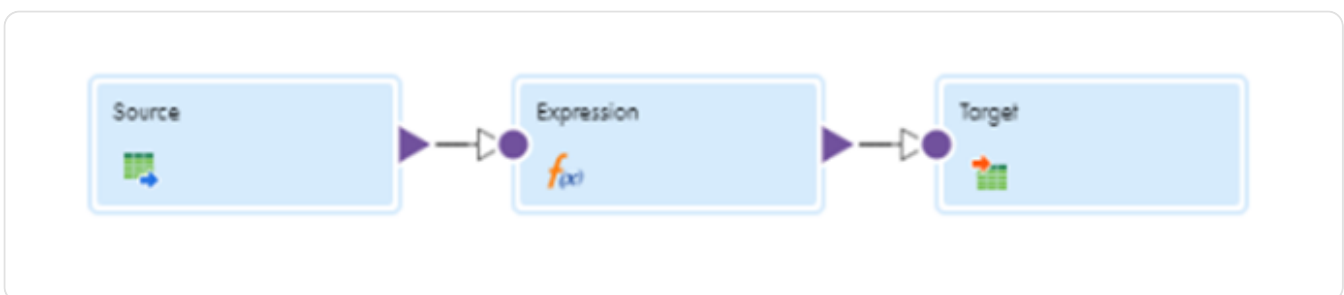
Pre-Requisites

- 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

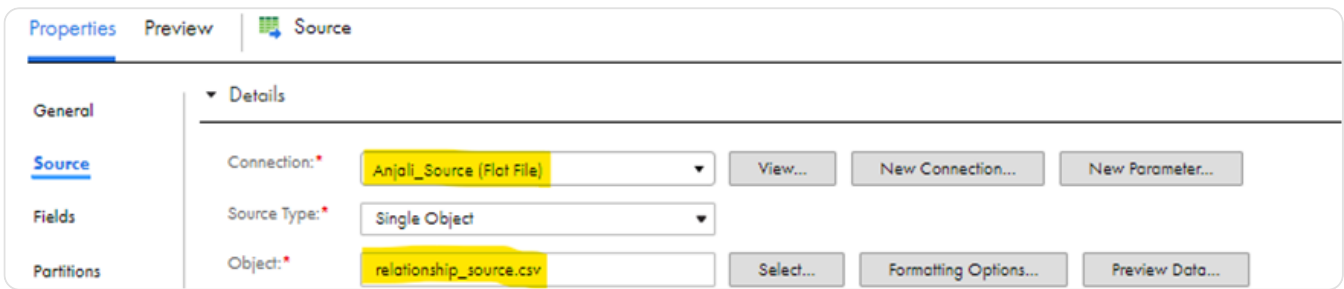
	A	B
1	From ID	To ID
2	65d06b98708abd14b014e1b8	65d06c35d93af81b6851d230
3		

Steps to configure the Mapping

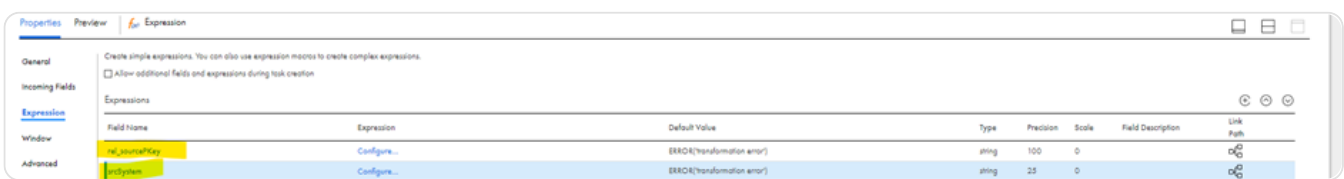


- Step 1: Choose the appropriate flat file connection & select the source file as shown below.

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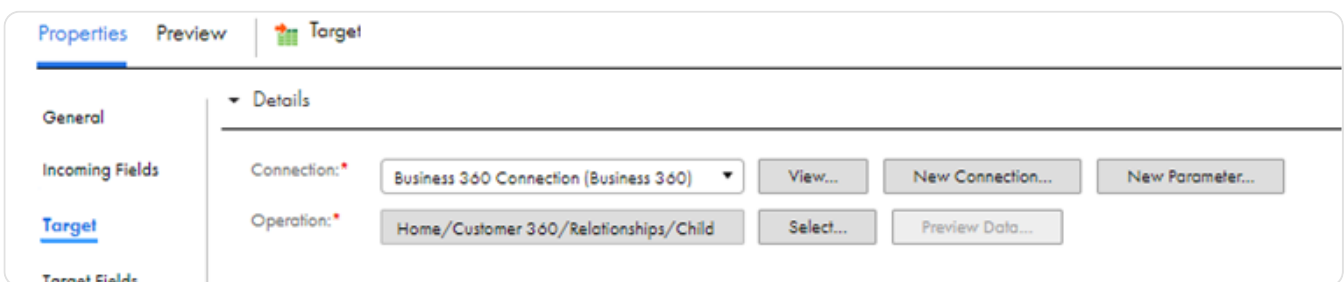
- Step 2: Define the relationship sourcePKey (here it is concatenation of FromID & ToID), sourceSystem.



- 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:

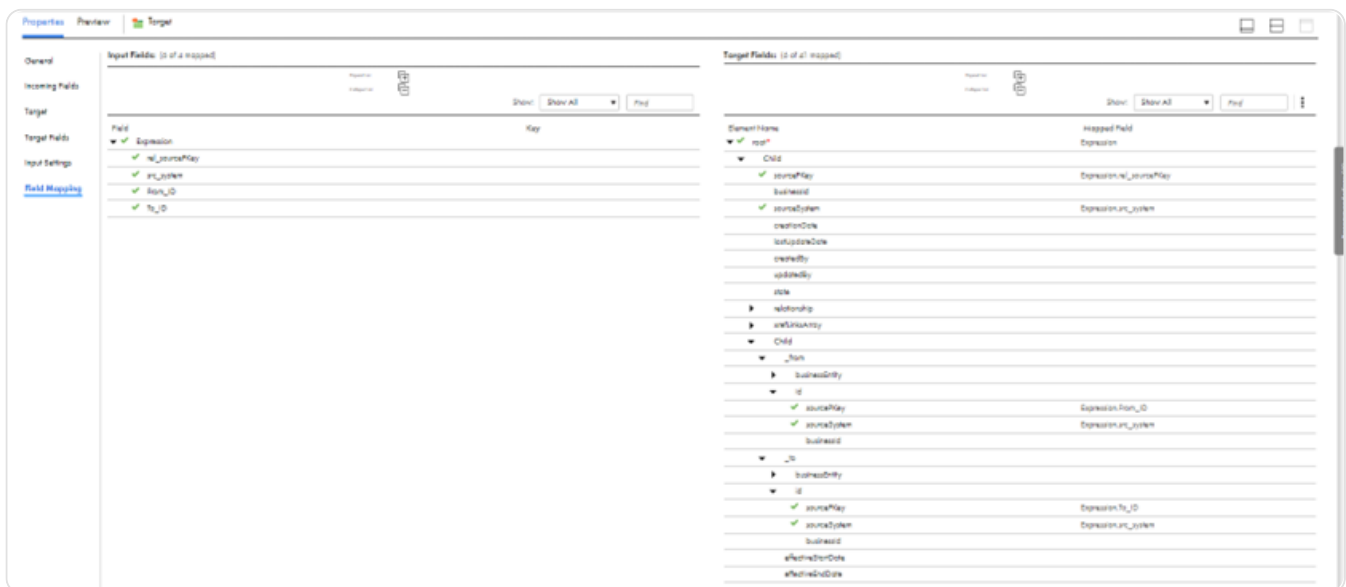


- Step 3: Complete the field mapping as shown below.
 - Step 3.1: Go to Target and select the B360 connection & the appropriate relationship.

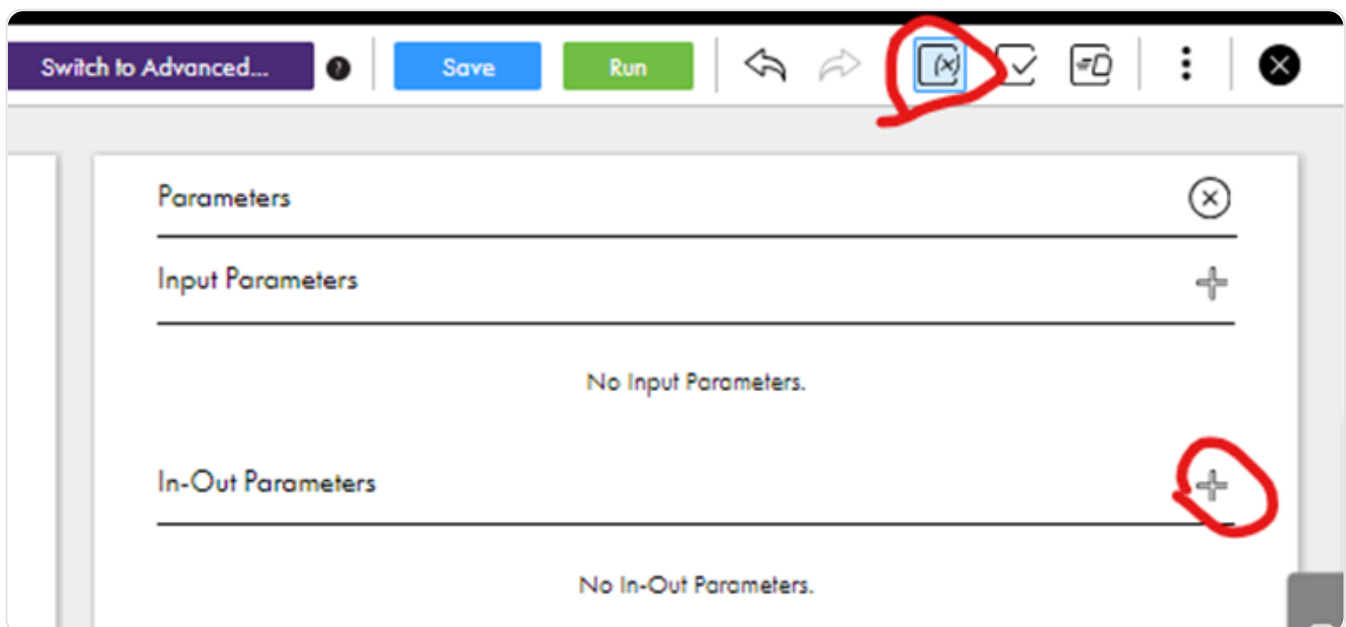


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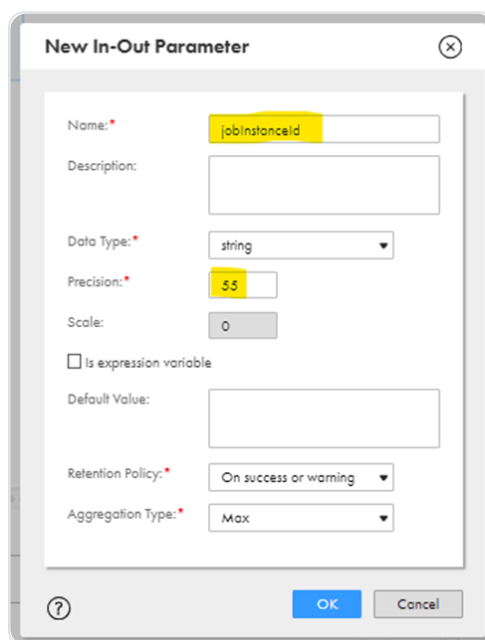
- Step 3.2: Go to Field Mapping & map the fields as shown below:



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



- Step 4.2: Create the jobInstanceId as shown below.



New In-Out Parameter

Name: *

Description:

Data Type: *

Precision: *

Scale:

Is expression variable

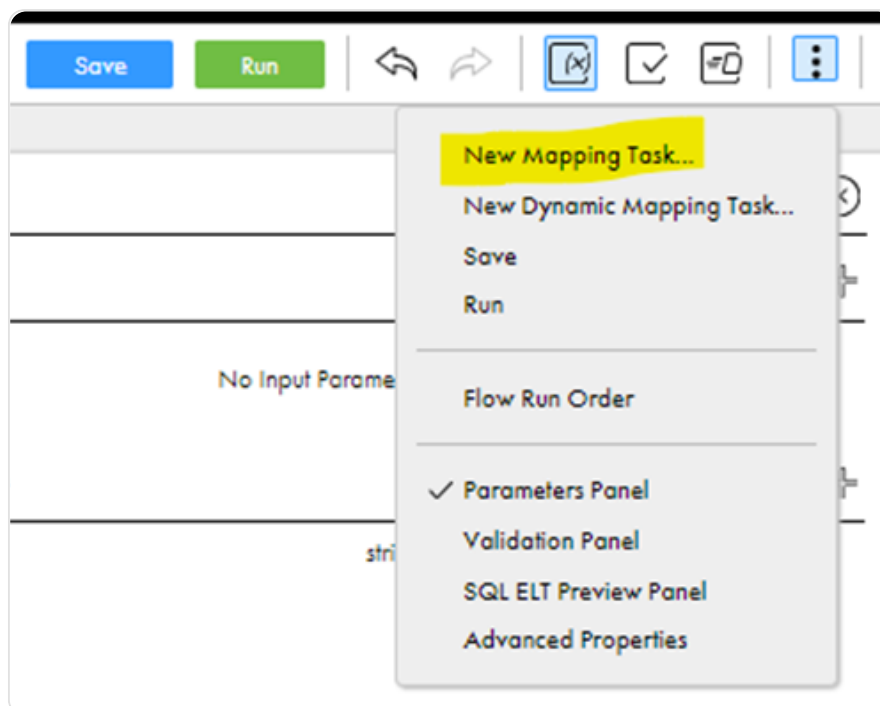
Default Value:

Retention Policy: *

Aggregation Type: *

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'



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

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New mt_relationship

1 Definition 2 In-Out Parameters 3 Schedule

Task Details

Task Name: mt_relationship

Location: Anjil_Project\Anjil_Asssets [Browse]

Description:

Runtime Environment: Anjil_Securs_Agent

Mapping: m_relationship [Select...]

Mapping Images: m_relationship

Source → Expression → Target

[Save] [Back] **Next >** [Finish] [Cancel]

- Step 4: Click on 'Next'

New mt_relationship

1 Definition 2 In-Out Parameters 3 Schedule

In-Out Parameters

[Reset All]

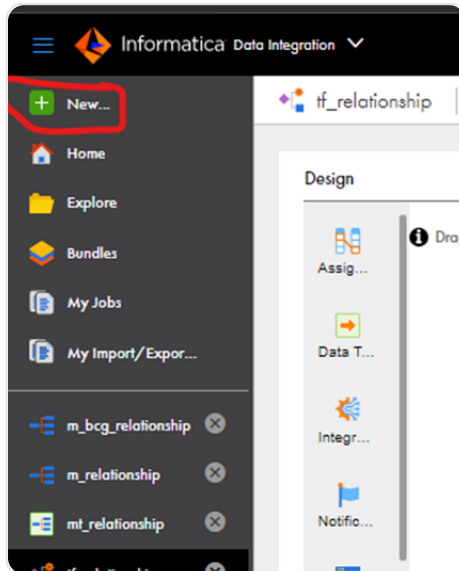
Action	Name	Desc	Type(prec, scale)	Default Value	Value	Retention Policy	Aggregation Type
	jobInstanceid		string(55)			On success or warning	Max

[Save] [Back] **Finish** [Next >] [Cancel]

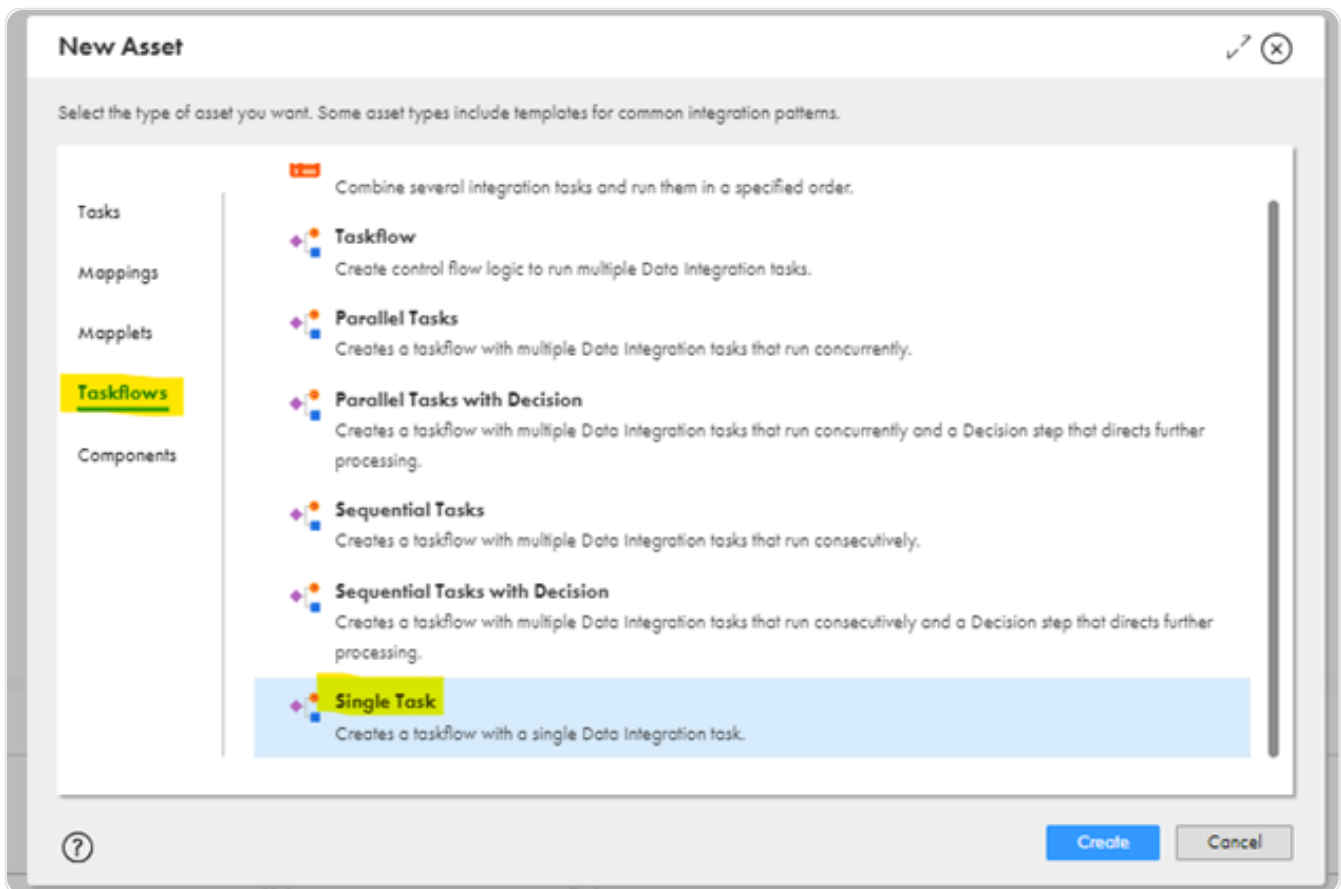
- Step 5: Click on 'Finish'.

Steps to configure the Taskflow

- Step 1: Click on 'New'



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



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- Step 3: Name the Taskflow.

if_relationship Properties

General

Start

Input Fields

Output Fields

Temp Fields

Advanced

Notes

Step Type: Start

Name: * if_relationship

API Name: ? Override API Name

Location: Anjali_Project\Anjali_Assests

Description:

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

if_relationship Properties

General

Start

Input Fields

Input Fields (1)

Name	Type	Description	Required	Initial Value
jobInstancelid	Text		<input type="checkbox"/>	

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

Data Task 1 Properties

General

Data Task

Input Fields

Events

Data Task: * mt_relationship

Type: Mapping Task

Location: Anjali_Project/Anjali_Assests

Description: Executes the specified Data Task.

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

Data Task 1 Properties

General

Data Task

Input Fields

Events

Input Fields (1)

Name	Type	Value	Path
jobInstancelid	Text	Field: jobInstancelid	mt-relationship -> Inout -> jobInstancelid

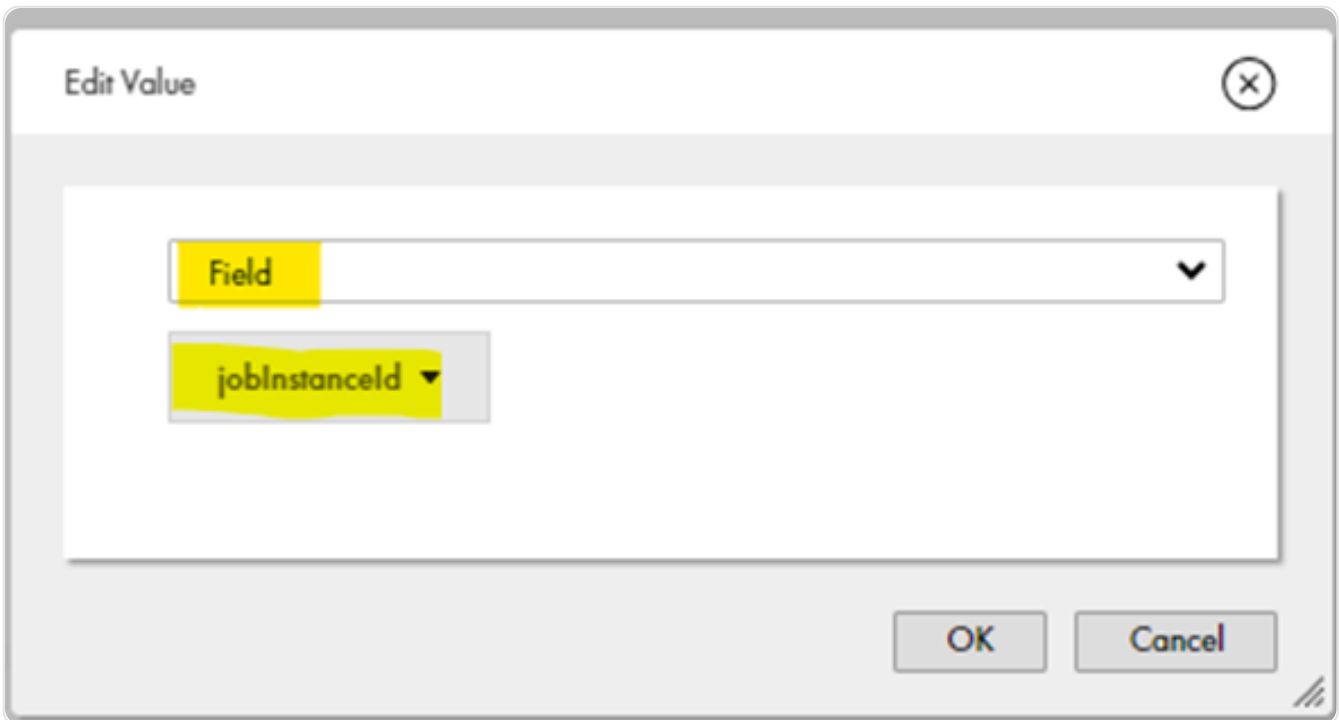
- Step 7: Click on the 'Pen'



The screenshot shows a configuration window with a table for 'Input Fields (1)'. The table has four columns: Name, Type, Value, and Path. The first row contains the following data:

Name	Type	Value	Path
jobInstancecd	Text	Field:jobInstancecd	relationship -- hour -- jobInstancecd

- Step 8: Select 'Field' and jobInstancecd

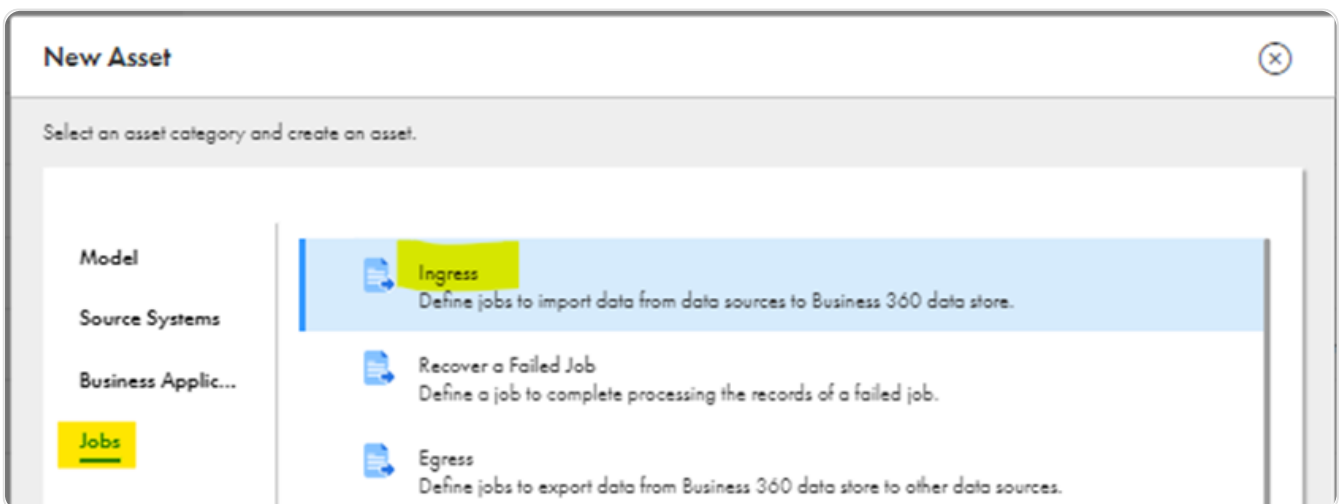


The screenshot shows a dialog box titled 'Edit Value'. It contains two dropdown menus. The first dropdown menu is labeled 'Field' and is highlighted in yellow. The second dropdown menu is labeled 'jobInstancecd' and is also highlighted in yellow. At the bottom of the dialog box, there are 'OK' and 'Cancel' buttons.

- Step 9: Save & Publish the Taskflow

Steps to configure the Ingress Job

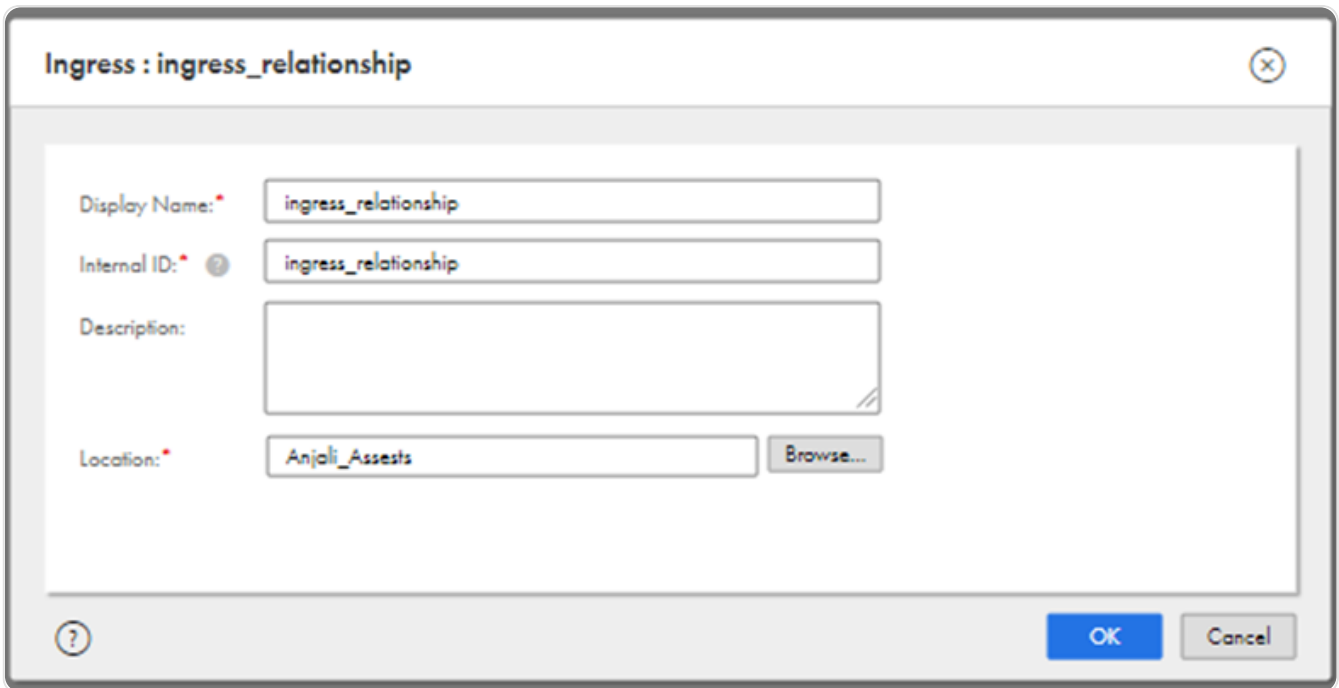
- Step 1: Create a New Ingress Job



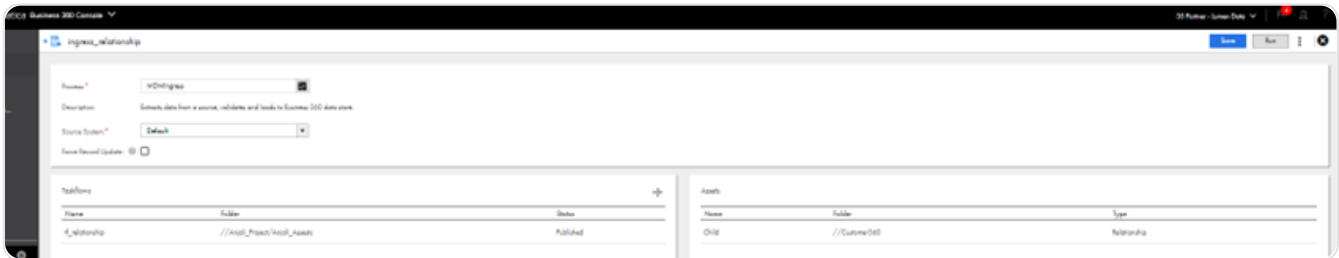
The screenshot shows a dialog box titled 'New Asset'. It contains a list of asset categories. The 'Ingress' category is highlighted in blue and yellow. The 'Ingress' category description is: 'Define jobs to import data from data sources to Business 360 data store.' Other categories visible are 'Recover a Failed Job' and 'Egress'.

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- Step 2: Name the job as shown below

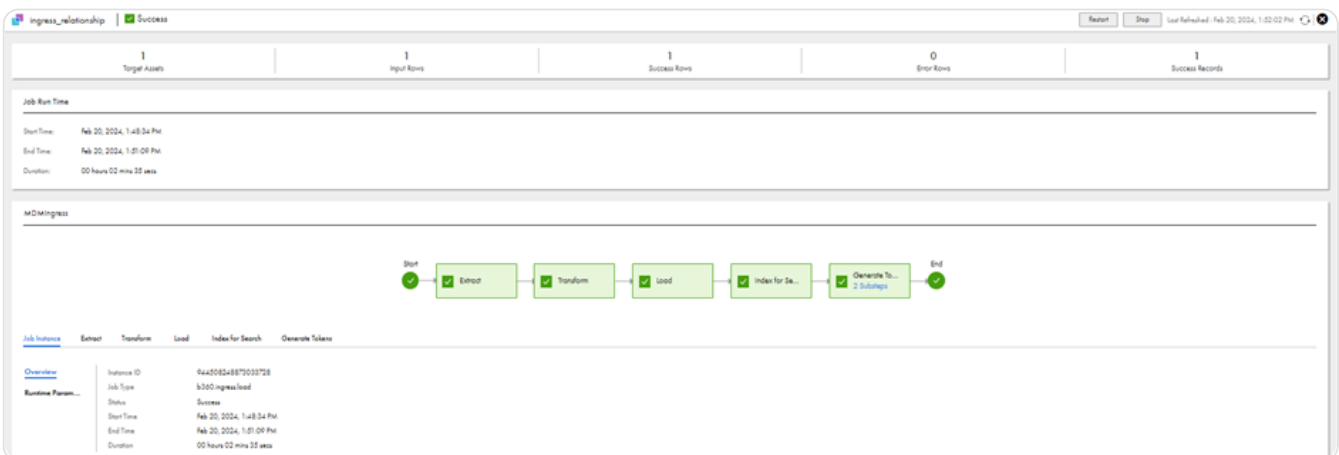


- Step 3: Select the taskflow and 'Save' & 'Run' it



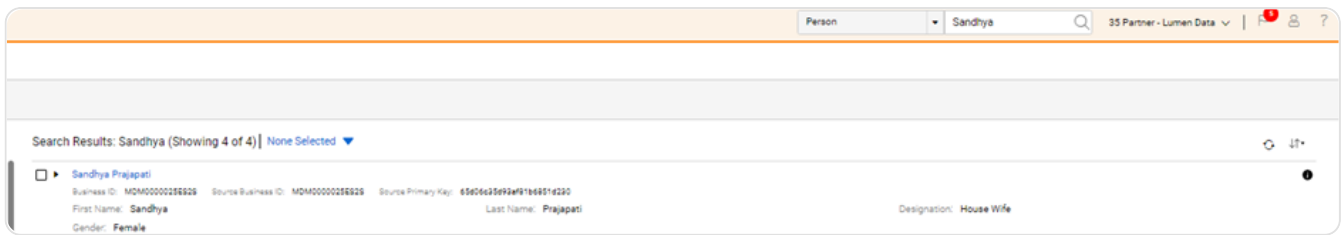
Results

- Ingress is successfully completed.

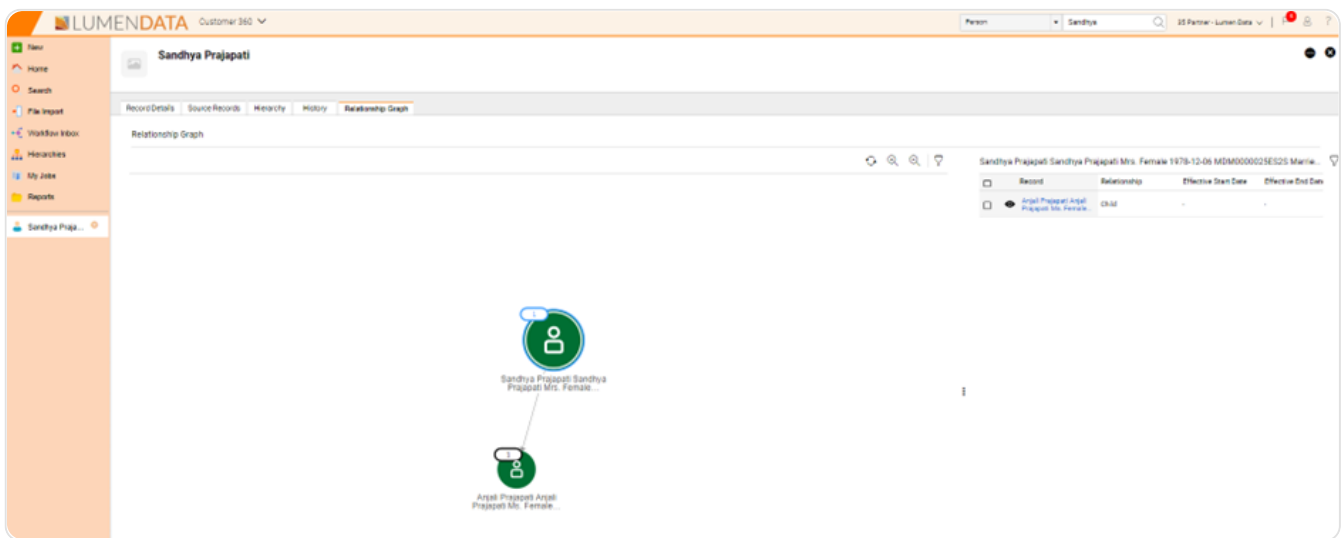


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- Go to Customer 360 and search the record.



- 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.



Get in touch with us:
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