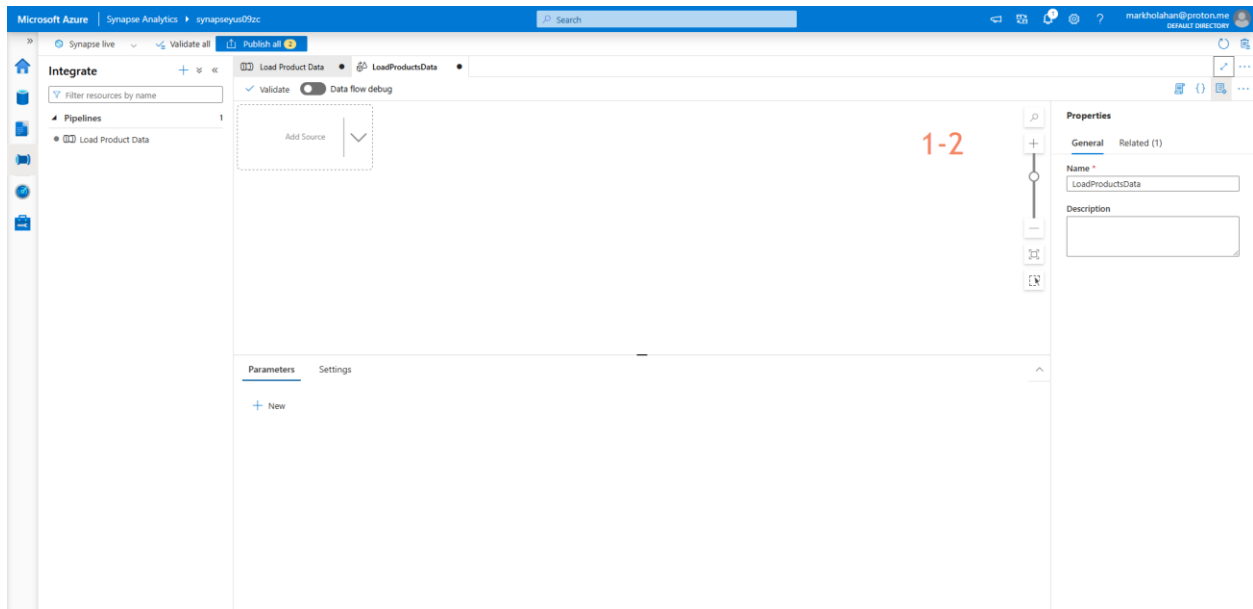
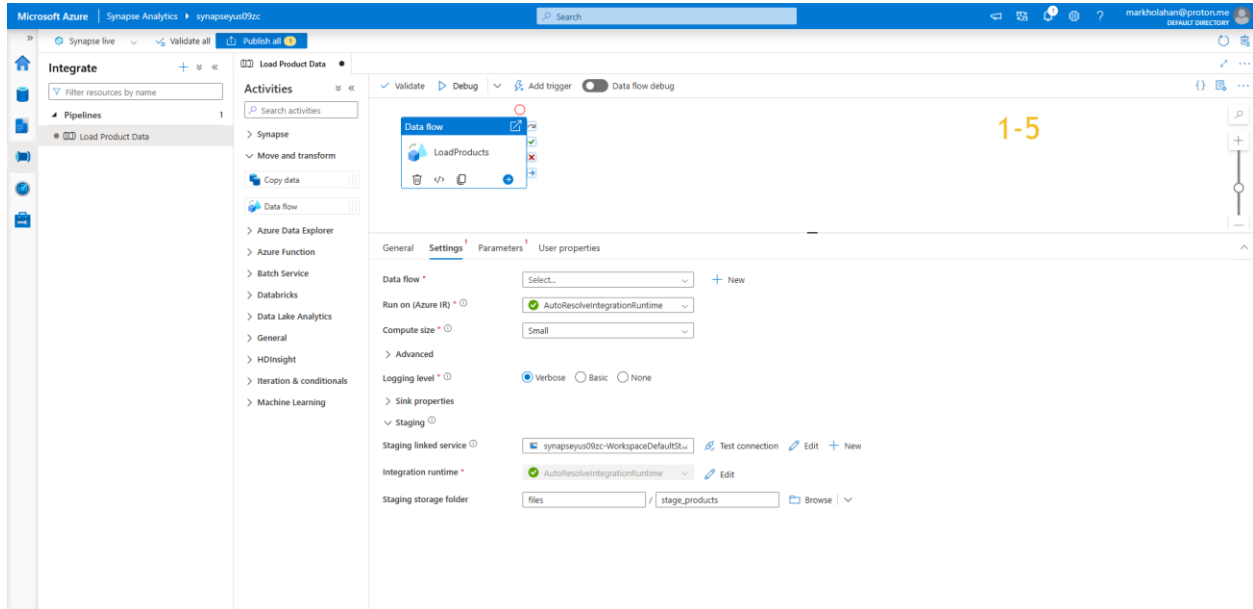


Here are the screenshots from the Azure Synapse lab. The numbers in the upper right hand corner correspond to given group of steps.



Microsoft Azure | Synapse Analytics | synapseyu09zc

Synapse live | Validate all | Publish all

Integrate

Filter resources by name

Pipelines

Load Product Data

ProductsTest

Products test data

ProductTable

Columns: 7 total

1-5

Source settings | Source options | Projection | Optimize | Inspect | Data preview

Output stream name * ProductTable [Learn more](#)

Description Product table [Reset](#)

Source type * Integration dataset | Inline | Workspace DB

Dataset * DimProduct [Test connection](#) [Open](#) [New](#)

Options

☒ Allow schema drift ⓘ

☐ Infer drifted column types ⓘ

☐ Validate schema ⓘ

Sampling * ⓘ

☐ Enable ☒ Disable

Microsoft Azure | Synapse Analytics | synapseyu09zc

Synapse live | Validate all | Publish all

Integrate

Filter resources by name

Pipelines

Load Product Data

ProductsTest

Products test data

MatchedProducts

Columns: 13 total

ProductTable

Product table

1-3

Lookup settings | Optimize | Inspect | Data preview

Output stream name * MatchedProducts [Learn more](#)

Description Matched product data [Reset](#)

Primary stream * ProductsTest

Lookup stream * ProductTable

Match multiple rows ☐ ⓘ

Match on * Last row [Add dynamic content \(Alt+Shift+G\)](#)

Sort conditions *

ProductTable's column Order Nulls first

ProductKey Ascending ☒ [+](#) [-](#)

Lookup conditions *

Left: ProductsTest's column Right: ProductTable's column

ProductID == ProductTableKey [+](#) [-](#)

Microsoft Azure | Synapse Analytics | synapseworkbench

Synapse live | Validate all | Publish all

Integrate

Filter resources by name

Pipelines

Load Product Data

Load Product Data

ProductsText

Products test data

MatchedProducts

Matched product data

SetLoadAction

Columns: 13 total

1-3

ProductTable

Product table

Alter row settings

Output stream name *

SetLoadAction

Description

Insert new, update existing

Incoming stream *

MatchedProducts

Alter row conditions *

Insert if

isNull(ProductKey)

Upsert if

not(isNull(ProductKey))

Microsoft Azure | Synapse Analytics | synapseworkbench

Synapse live | Validate all | Publish all

Load Product Data

LoadProductsData

ProductsText

Products test data

MatchedProducts

Matched product data

SetLoadAction

Insert new, upsert existing

DimProductTable

Columns: 6 total

1-5

Sink Settings Errors Mapping Optimize Inspect Data preview

At least one incoming column is mapped to a column in the sink dataset schema with a conflicting type, which can cause NULL values or runtime errors.

Options

Skip duplicate input columns

Skip duplicate output columns

Auto mapping

Reset

Add mapping

Delete

Output format

6 mappings: 1 column(s) from the output schema left unmapped

Input columns	Output columns
ProductKey	ProductAltKey
ProductsText@ProductName	ProductName
ProductsText@Color	Color
ProductsText@Size	Size
ProductsText@ListPrice	ListPrice
ProductsText@Discontinued	Discontinued

Microsoft Azure | Synapse Analytics | synapseysu09zc

Load Product Data | LoadProductsData | Debug Settings

ProductsTest | MatchedProducts | SetLoadAction | DimProductTable

Products test data | Matched product data | Insert new, update existing | Columns: 6 total

Debug works

Sink Settings Errors Mapping Optimize Inspect Data preview

Number of rows: INSERT 0 UPDATE 0 DELETE 0 UPSERT 0 LOOKUP 0 ERROR 0 TOTAL 11

ProductAltKey	ProductName	Color	Size	ListPrice	Discontinued
7	Adjustable Race	Red	NULL	2.0000	✓
NULL	Bearing Ball	NA	NULL	1.0000	×
NULL	BB Ball Bearing	NA	NULL	1.0000	×
NULL	Headset Ball Bearings	NA	NULL	0.0000	×
NULL	Blade	NA	NULL	2.0000	×
NULL	LL Crankarm	Silver	NULL	8.0000	×
NULL	ML Crankarm	Black	NULL	8.0000	×
NULL	HL Crankarm	Silver	NULL	8.0000	×
NULL	Chainring Bolts	Silver	NULL	2.0000	×
NULL	Chainring Nut	Silver	NULL	3.0000	×
NULL	Chainring	Black	NULL	2.0000	×

Microsoft Azure | Synapse Analytics | synapseysu09zc

Load Product Data | SQL script 1

Run | Undo | Publish | Query plan | Connect to: sqlyus09zc | Use database: sqlyus09zc

Finis

```

1 SELECT TOP (100) [ProductKey]
2 , [ProductAltKey]
3 , [ProductName]
4 , [Color]
5 , [Size]
6 , [ListPrice]
7 , [Discontinued]
8 FROM [dbo].[DimProduct]

```

Results | Messages

View: Table | Export results

ProductKey	ProductAltKey	ProductName	Color	Size	ListPrice	Discontinued
1	(NULL)	Bearing Ball	NA	(NULL)	1.0000	False
7	AR-5381	Adjustable Race	Red	(NULL)	1.9900	False
20	7	Adjustable Race	Red	(NULL)	2.0000	True
61	(NULL)	BB Ball Bearing	NA	(NULL)	1.0000	False
121	(NULL)	Headset Ball Bearings	NA	(NULL)	0.0000	False
181	(NULL)	Blade	NA	(NULL)	2.0000	False
241	(NULL)	LL Crankarm	Silver	(NULL)	8.0000	False
301	(NULL)	ML Crankarm	Black	(NULL)	8.0000	False
361	(NULL)	HL Crankarm	Silver	(NULL)	8.0000	False
421	(NULL)	Chainring Bolts	Silver	(NULL)	2.0000	False
481	(NULL)	Chainring Nut	Silver	(NULL)	3.0000	False
541	(NULL)	Chainring	Black	(NULL)	2.0000	False

00:00:02 Query executed successfully.