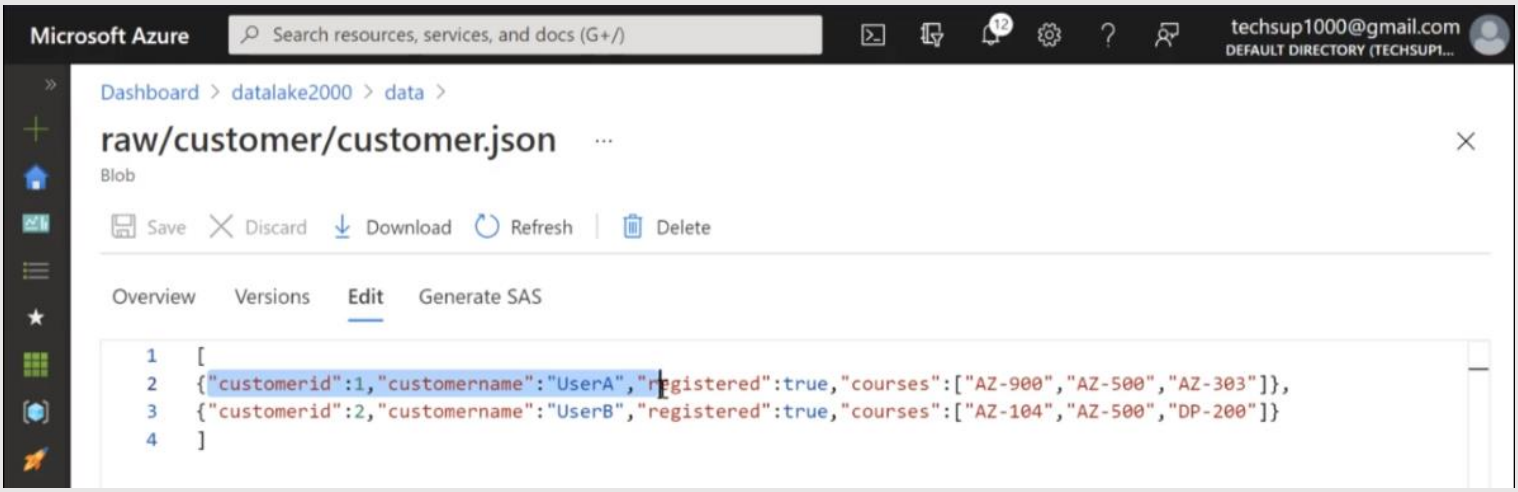
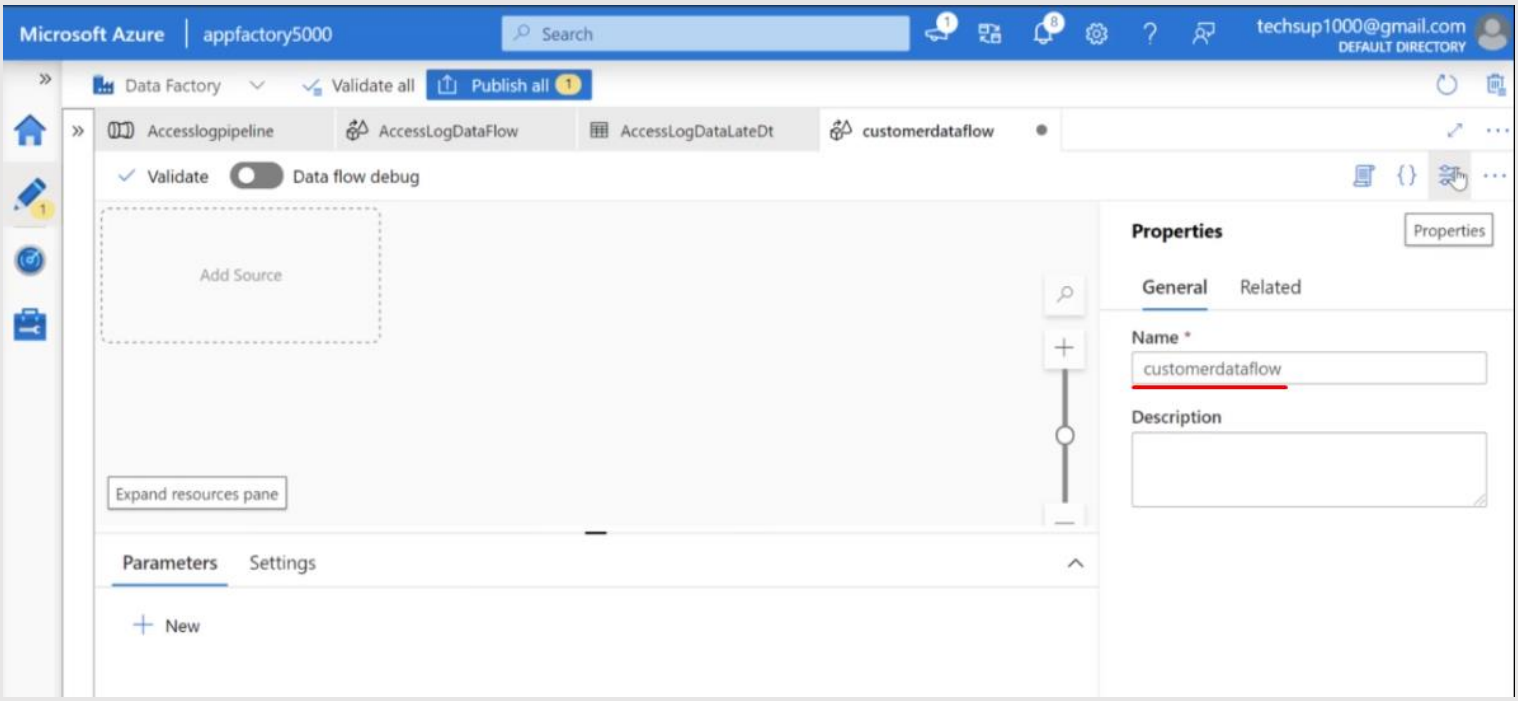
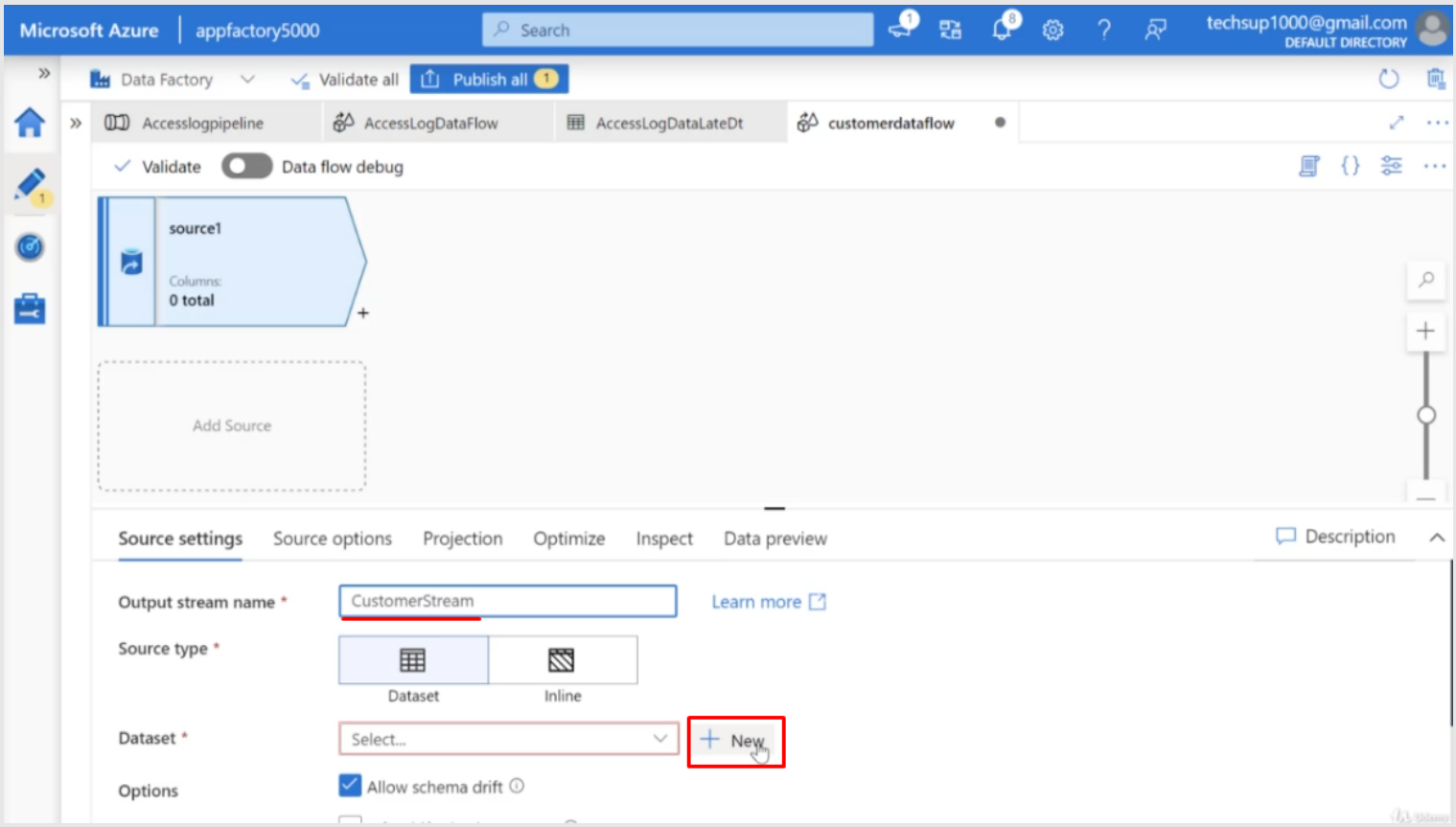
Azure Data Factory Cargar un archivo JSON Array a un Dedicated SQL Pool

Se busca procesar el siguiente archivo JSON Array

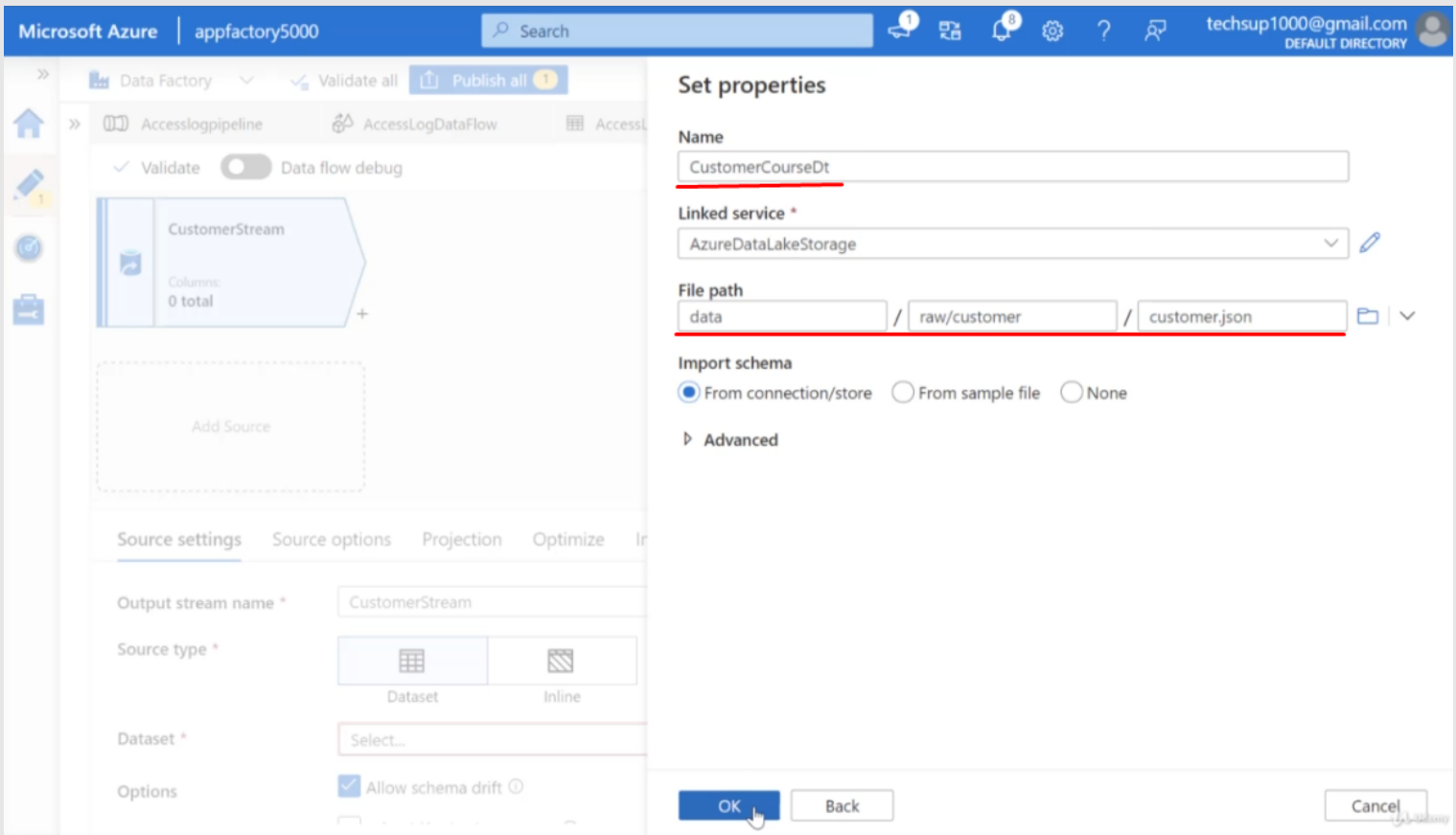


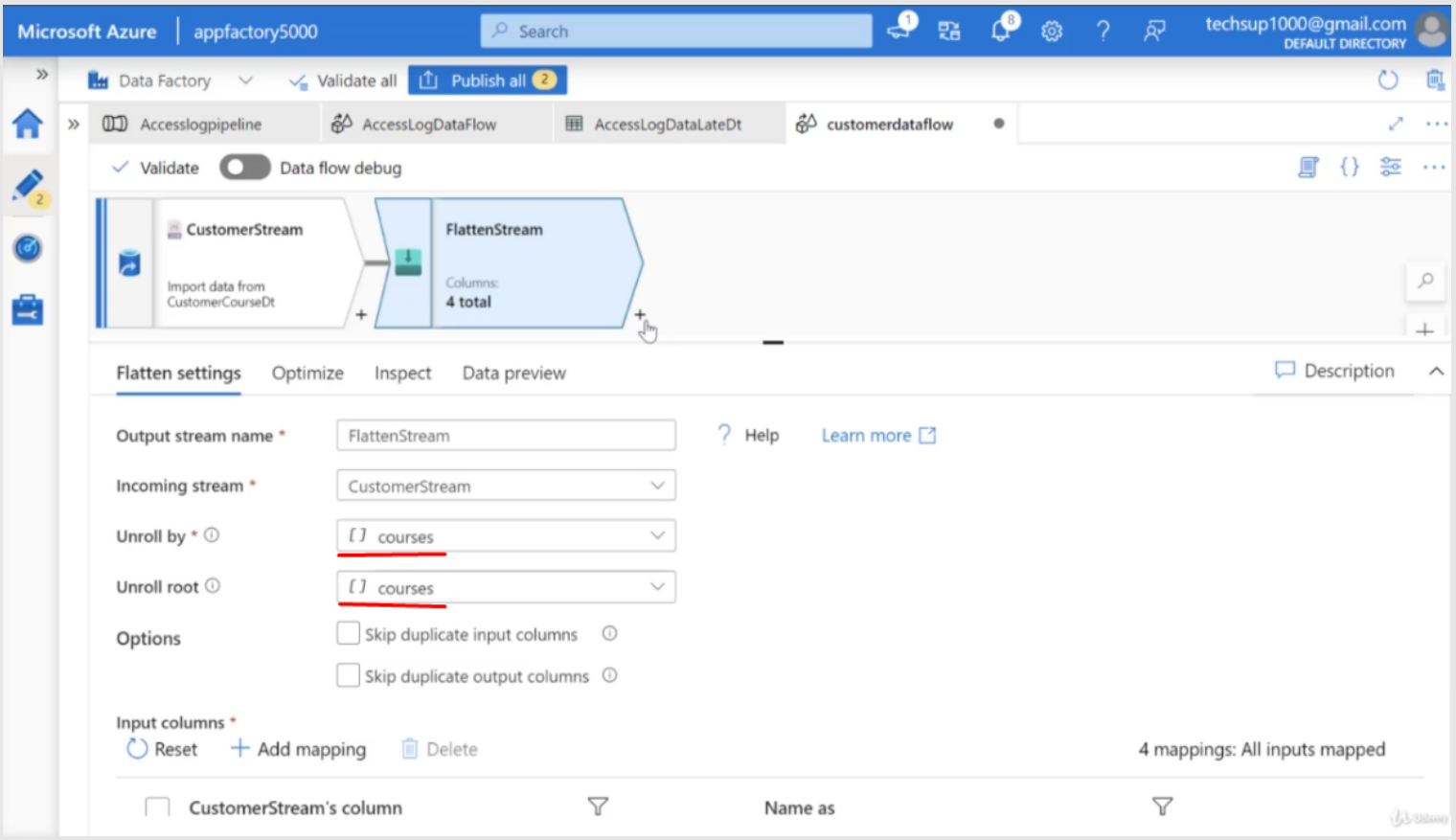
Comenzamos creando nuestro Dataflow





Cargaremos el archivo desde Azure Data Lake Storage y será un archivo JSON:

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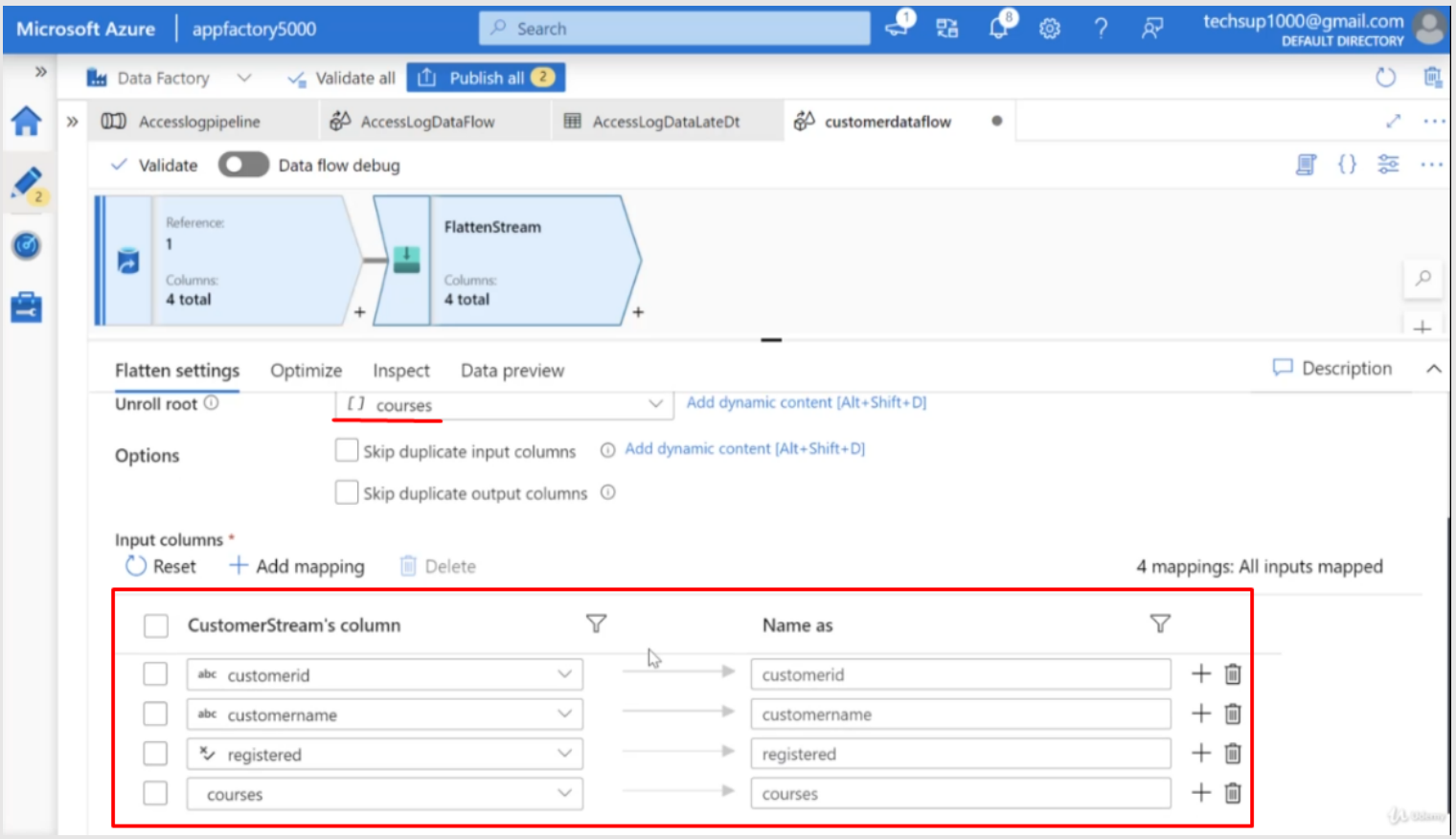
Data Factory
Validate all
Publish all 2
Accesslogpipeline
AccessLogDataFlow
AccessLogDataLateDt
customerdataflow
Validate
Data flow debug
CustomerStream
Import data from CustomerCourseDt
FlattenStream
Columns:
4 total
Flatten settings
Optimize
Inspect
Data preview
Description
Output stream name *
FlattenStream
Help
Learn more
Incoming stream *
CustomerStream
Unroll by *
courses
Unroll root
courses
Options
Skip duplicate input columns
Skip duplicate output columns
Input columns *
Reset
Add mapping
Delete
4 mappings: All inputs mapped
CustomerStream's column
Name as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Validate
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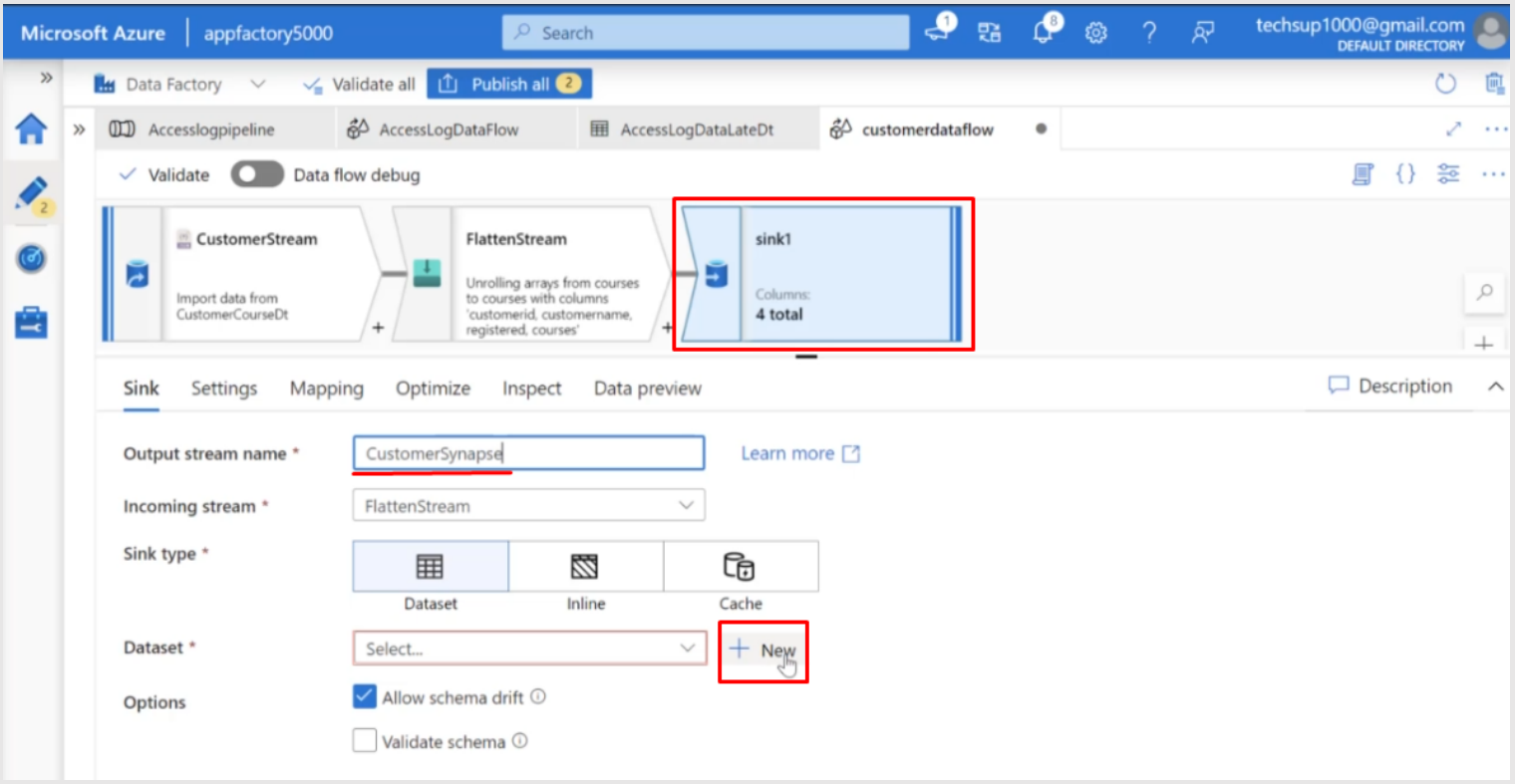
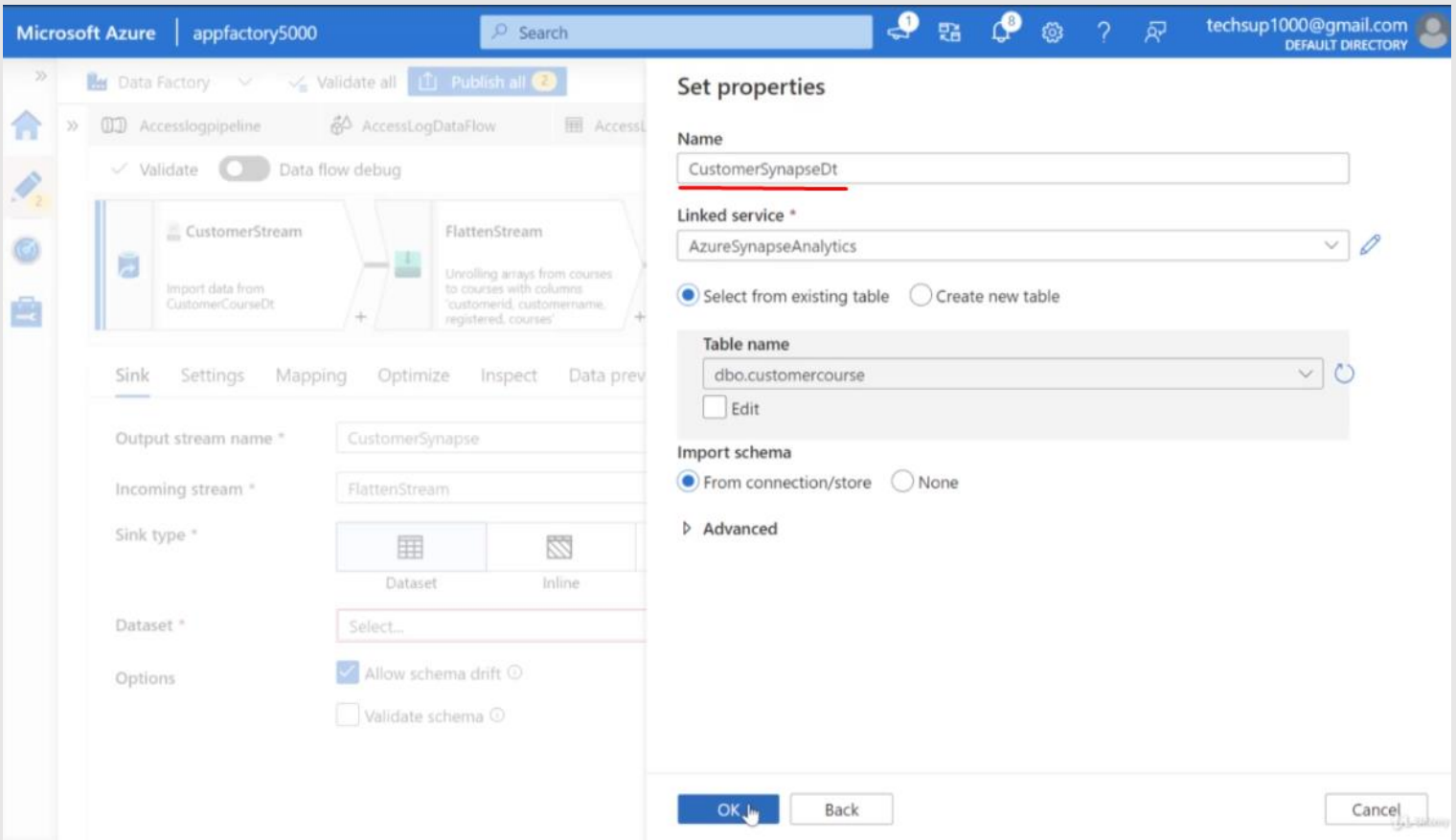
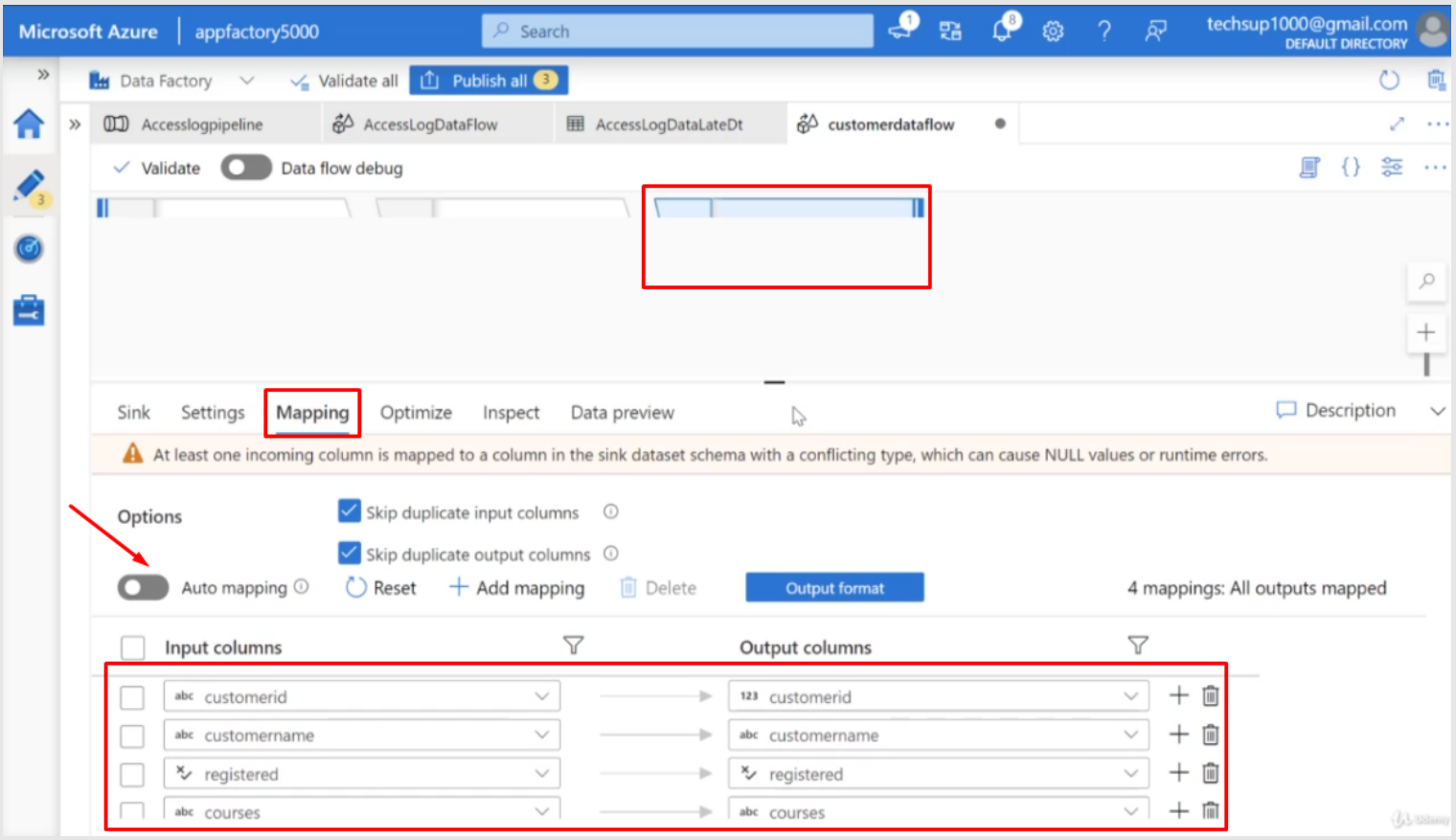
Reference:
1
Columns:
4 total
FlattenStream
Columns:
4 total
Flatten settings
Optimize
Inspect
Data preview
Description
Unroll root
courses
Add dynamic content [Alt+Shift+D]
Options
Skip duplicate input columns
Add dynamic content [Alt+Shift+D]
Skip duplicate output columns
Input columns *
Reset
Add mapping
Delete
4 mappings: All inputs mapped
CustomerStream's column
Name as
customerid
customername
registered
courses

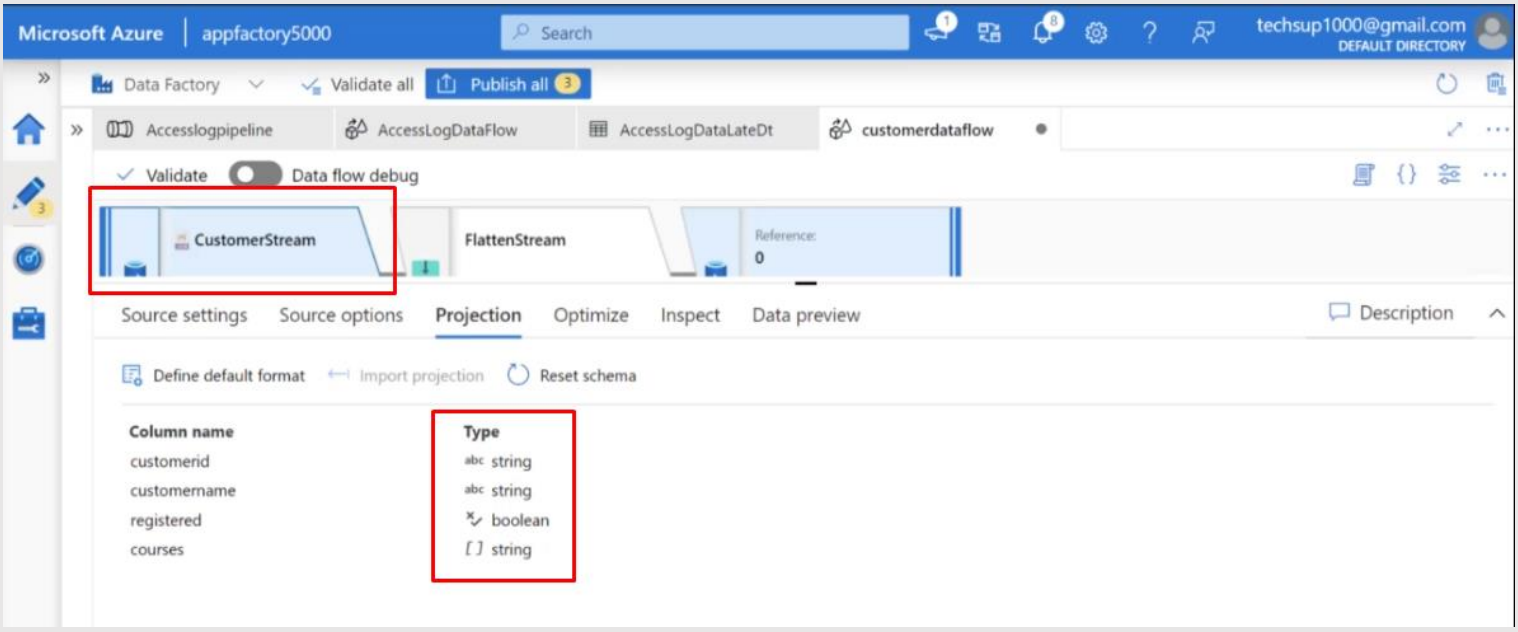


El dataset de destino apunta al Azure Synapse

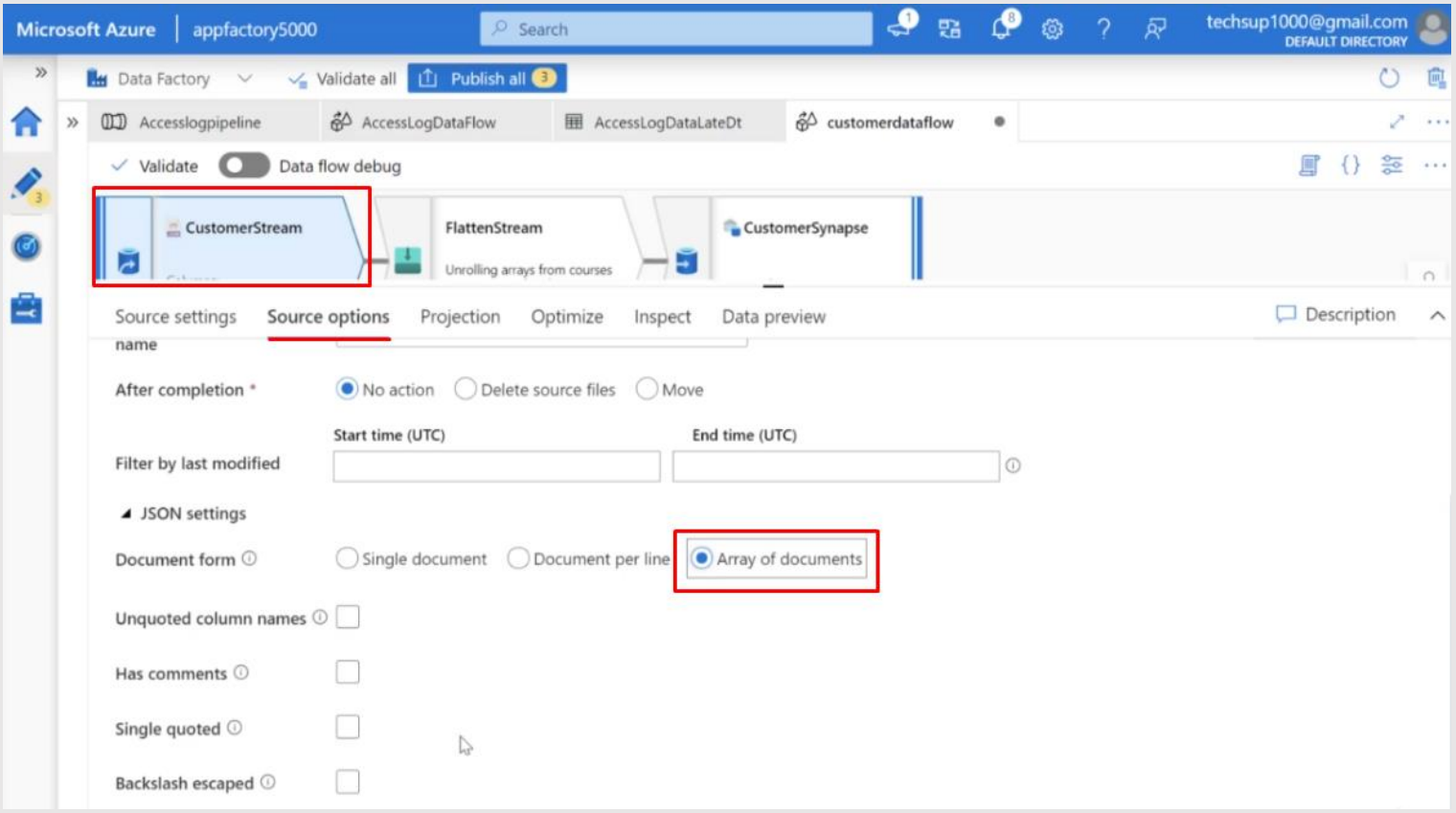




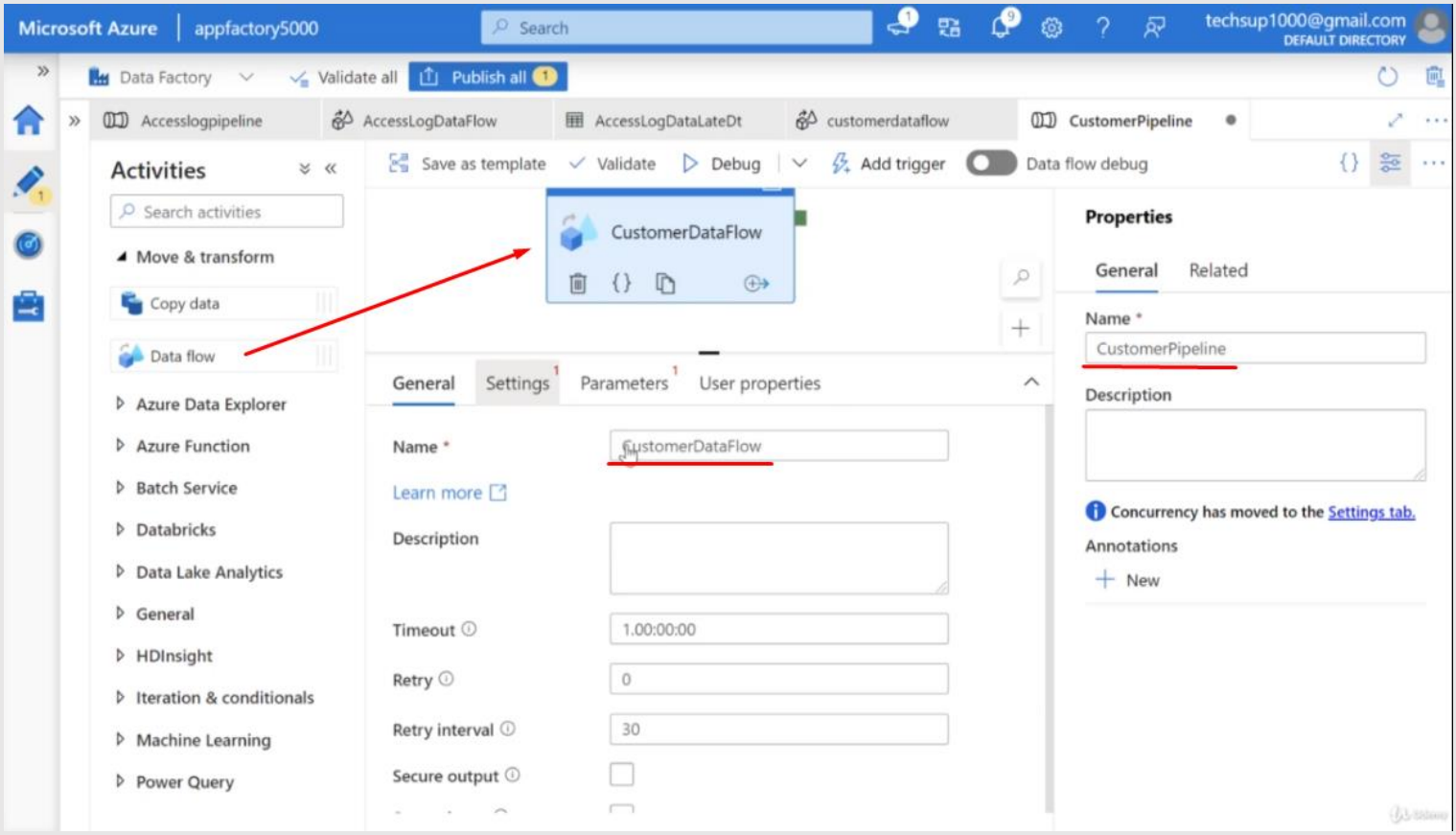
Si revisamos los tipos de datos que toma el archivo JSON Array desde la fuente

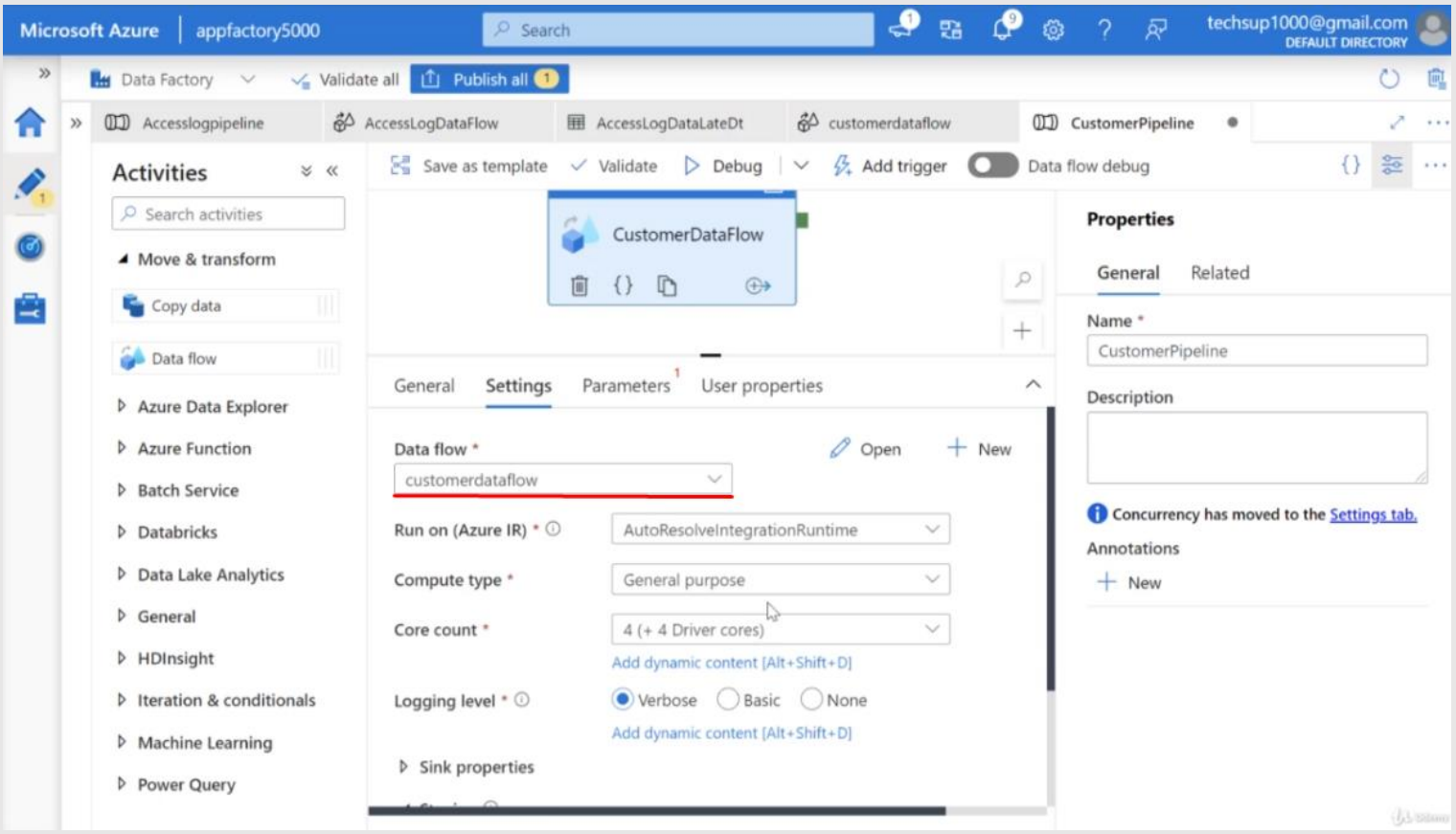


Y desde el paso fuente indicamos que corresponde a un archivo JSON Array



Para ejecutar nuestro Data Flow creamos un nuevo Pipeline

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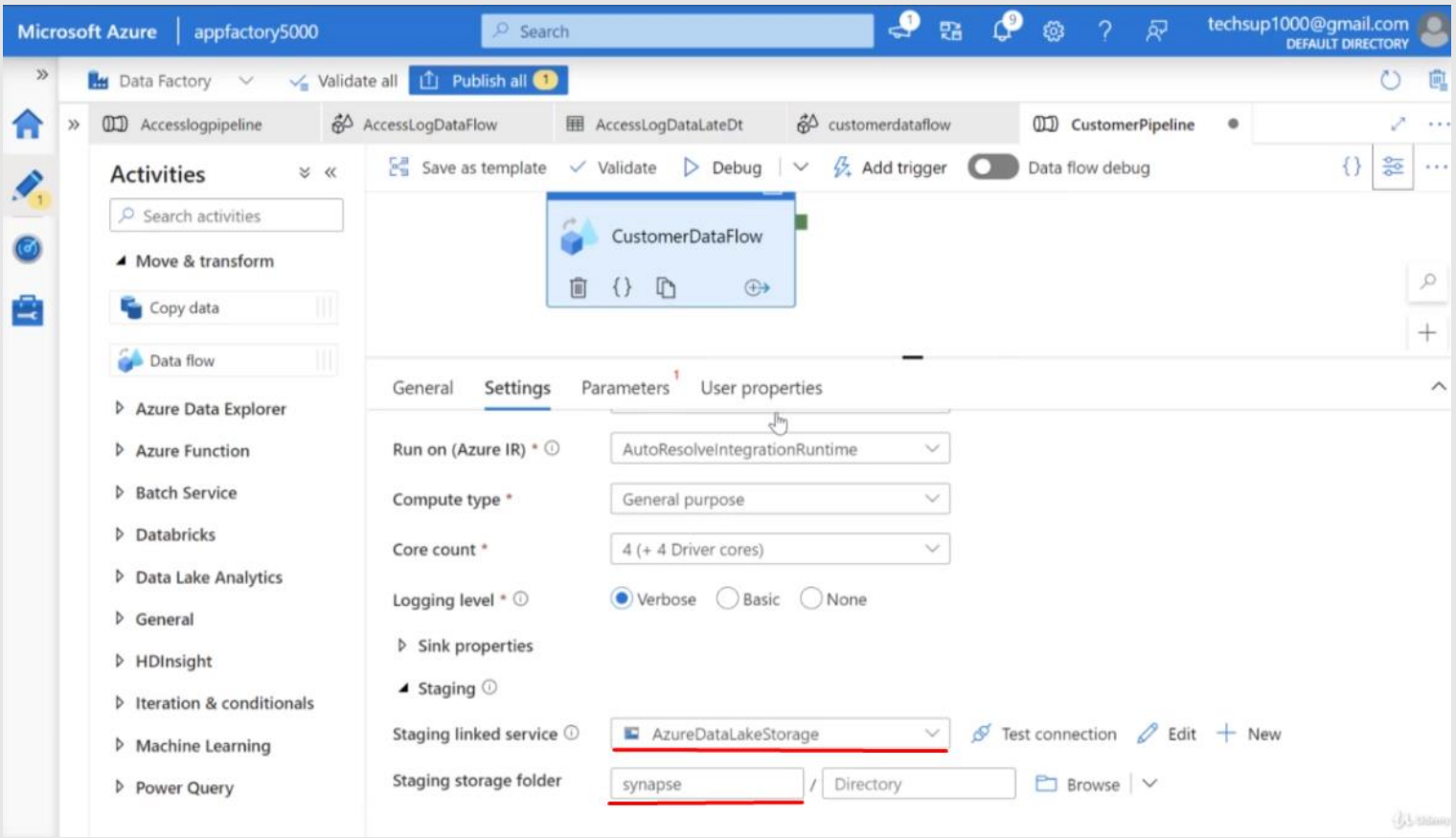
AccessLogDataLateDt
customerdataflow
CustomerPipeline
Activities
Search activities
Move & transform
Copy data
Data flow
Azure Data Explorer
Azure Function
Batch Service
Databricks
Data Lake Analytics
General
HDInsight
Iteration & conditionals
Machine Learning
Power Query
Save as template
Validate
Debug
Add trigger
Data flow debug
CustomerDataFlow
General
Settings
Parameters
User properties
Data flow *
customerdataflow
Open
New
Run on (Azure IR) *
AutoResolveIntegrationRuntime
Compute type *
General purpose
Core count *
4 (+ 4 Driver cores)
Add dynamic content [Alt+Shift+D]
Logging level *
Verbose
Basic
None
Add dynamic content [Alt+Shift+D]
Sink properties
Properties
General
Related
Name *
CustomerPipeline
Description
Concurrency has moved to the Settings tab.
Annotations
New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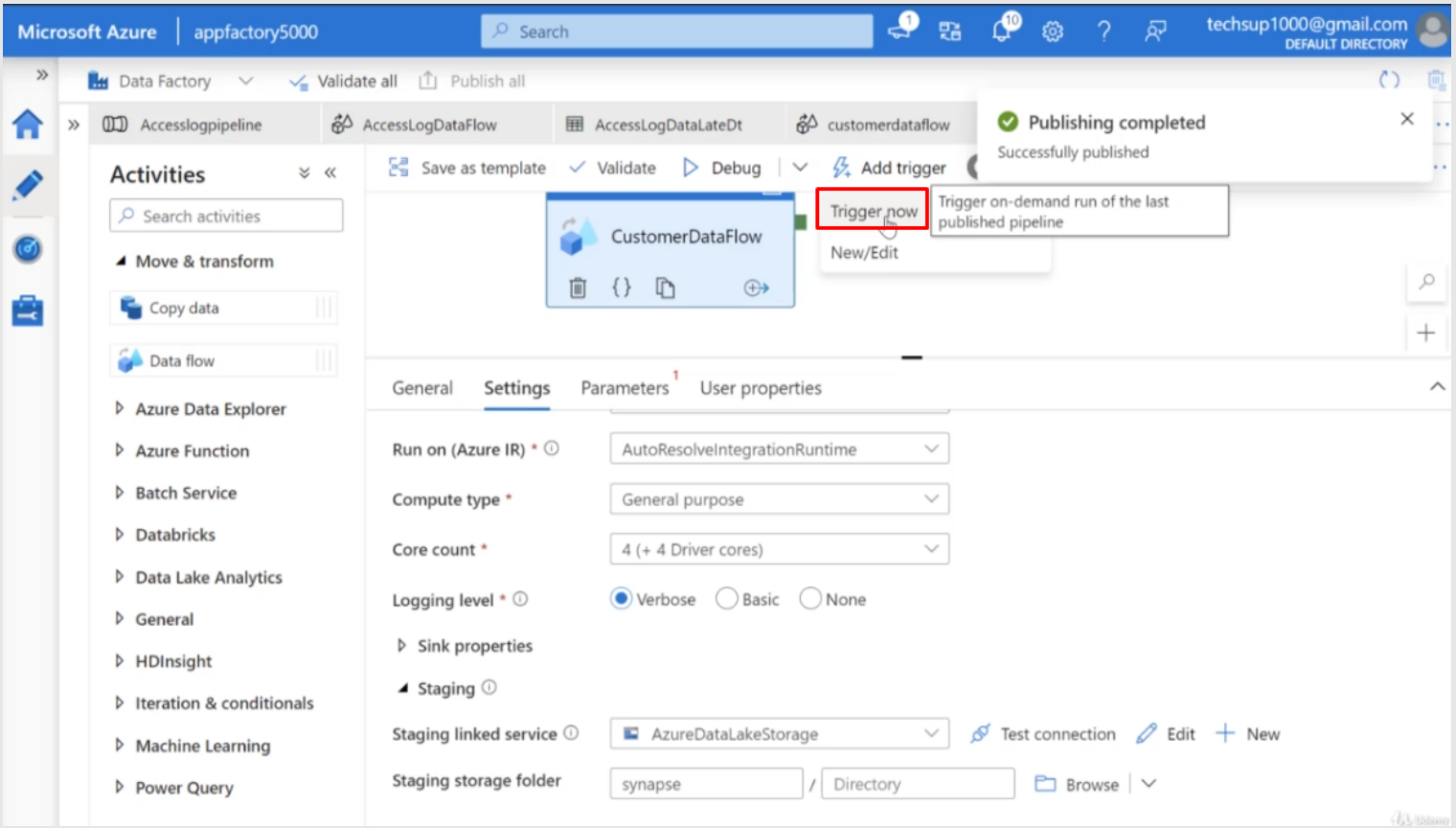
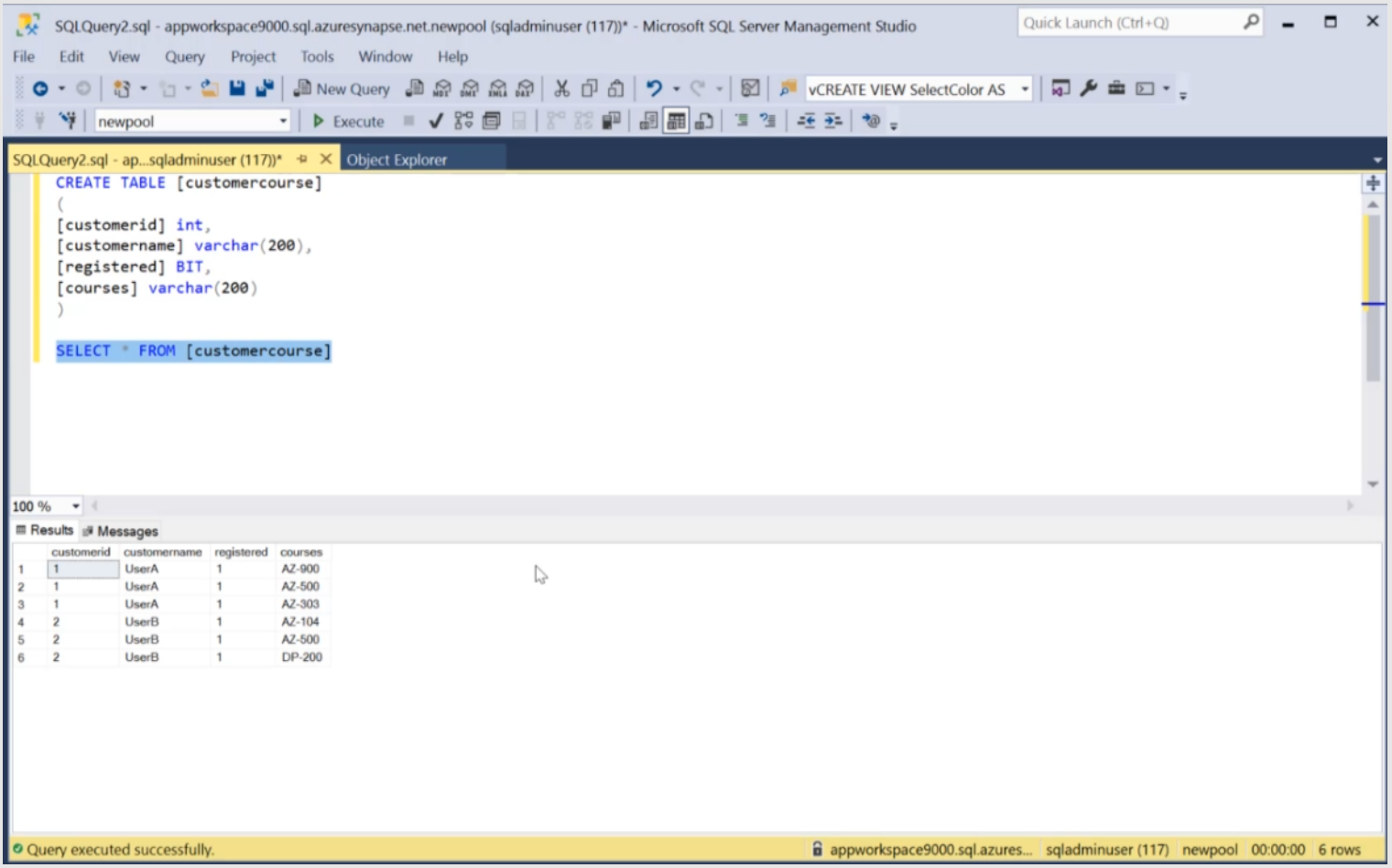
General purpose
Core count *
4 (+ 4 Driver cores)
Logging level *
Verbose
Basic
None
Sink properties
Staging
Staging linked service
AzureDataLakeStorage
Test connection
Edit
New
Staging storage folder
synapse
Directory
Browse

Validamos, **Publicamos** y **Ejecutamos**



Esta es la estructura de la tabla a la cual serán cargados los datos

```
CREATE TABLE [customercourse]
(
[customerid] int,
[customername] varchar(200),
[registered] BIT,
[courses] varchar(200)
)
```


SQLQuery2.sql - appworkspace9000.sql.azuresynapse.net.newpool (sqladminuser (117))* - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
New Query
vCREATE VIEW SelectColor AS
newpool
Execute
SQLQuery2.sql - ap...sqladminuser (117))*
Object Explorer
CREATE TABLE [customercourse]
(
[customerid] int,
[customername] varchar(200),
[registered] BIT,
[courses] varchar(200)
)
SELECT * FROM [customercourse]
100 %
Results
Messages
customerid customername registered courses
1 1 UserA 1 AZ-900
2 1 UserA 1 AZ-500
3 1 UserA 1 AZ-303
4 2 UserB 1 AZ-104
5 2 UserB 1 AZ-500
6 2 UserB 1 DP-200
Query executed successfully.
appworkspace9000.sql.azures...
sqladminuser (117)
newpool
00:00:00
6 rows