

1. 3 files with different delimiters

Microsoft Azure portal showing the SQL databases section for 'assignazuredb (assignserver/assignazuredb)'. The 'Query editor (preview)' is open, displaying a query: `SELECT TOP (1000) * FROM [dbo].[File_Loading_List]`. The query results show three rows of data:

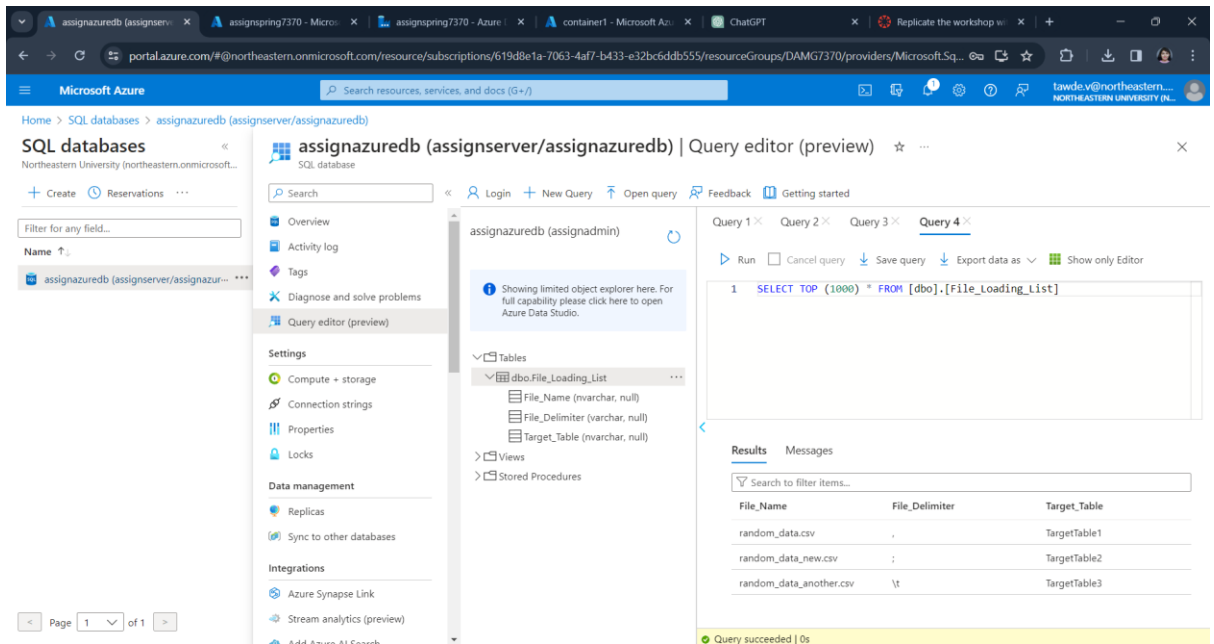
File_Name	File_Delimiter	Target_Table
random_data.csv	,	TargetTable1
random_data_new.csv	;	TargetTable2
random_data_another.csv	\t	TargetTable3

The query succeeded in 0s.

Microsoft Azure portal showing the 'container1' storage account overview. The 'Containers' section is active, displaying a list of blobs:

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
random_data_another.csv	3/2/2024, 8:29:39 PM	Hot (Inferred)		Block blob	22.94 KiB	Available
random_data_new.csv	3/2/2024, 8:07:32 PM	Hot (Inferred)		Block blob	21.57 KiB	Available
random_data.csv	3/2/2024, 4:28:11 PM	Hot (Inferred)		Block blob	21.32 KiB	Available

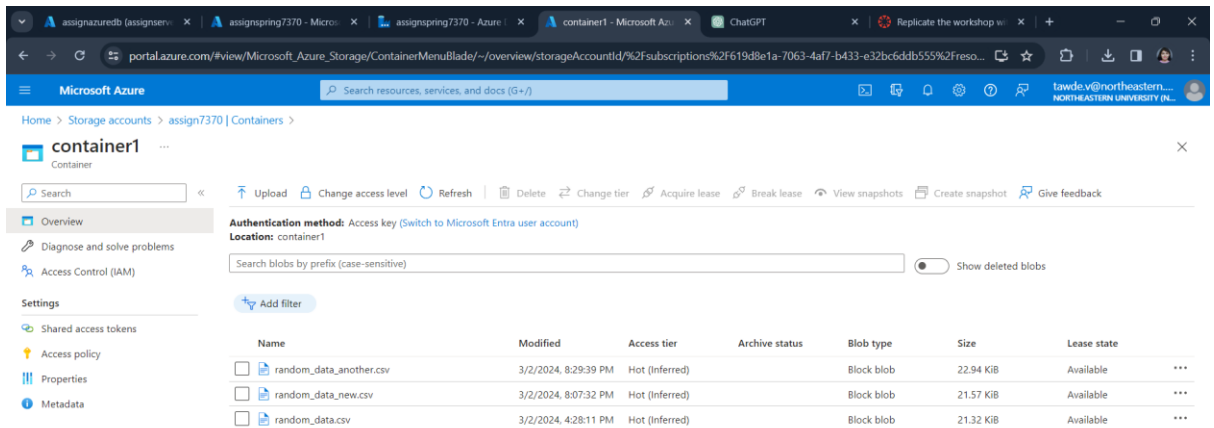
2. Screenshot of table File_Loading_List



The screenshot shows the Azure portal interface for the 'assignazuredb' database. The 'Query editor (preview)' is open, displaying a query that selects the top 1000 rows from the 'File_Loading_List' table. The results are shown in a table with three columns: File_Name, File_Delimiter, and Target_Table. The results show three rows of data.

File_Name	File_Delimiter	Target_Table
random_data.csv	,	TargetTable1
random_data_new.csv	;	TargetTable2
random_data_another.csv	\t	TargetTable3

3. Screenshot of 3 files loaded to ADLS2



The screenshot shows the Azure portal interface for the 'container1' container. The container contains three files: random_data_another.csv, random_data_new.csv, and random_data.csv. The files are listed with their names, modified dates, access tiers, archive statuses, blob types, sizes, and lease states.

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
random_data_another.csv	3/2/2024, 8:29:39 PM	Hot (Inferred)		Block blob	22.94 KiB	Available
random_data_new.csv	3/2/2024, 8:07:32 PM	Hot (Inferred)		Block blob	21.57 KiB	Available
random_data.csv	3/2/2024, 4:28:11 PM	Hot (Inferred)		Block blob	21.32 KiB	Available

4. Screenshot of Adf Pipeline successful run

The screenshot displays the Microsoft Azure Data Factory interface. The left sidebar shows the 'Factory Resources' tree with 'Pipelines' expanded, highlighting 'pipeline2'. The 'Activities' pane on the right lists 'Copy data', 'Data flow', and 'ForEach'. The main canvas shows a pipeline diagram with a 'Lookup' activity (GetListOffiles) connected to a 'ForEach' activity (ForEach1). Below the diagram, the 'Output' tab shows a table of activity results.

Activity name	Activity status	Activity type	Run start	Duration	Integration runtime
Copy data1	Succeeded	Copy data	3/7/2024, 2:10:48 PM	13s	AutoResolveIntegrator
Copy data1	Succeeded	Copy data	3/7/2024, 2:10:35 PM	13s	AutoResolveIntegrator
Copy data1	Succeeded	Copy data	3/7/2024, 2:10:18 PM	16s	AutoResolveIntegrator
ForEach1	Succeeded	ForEach	3/7/2024, 2:10:17 PM	46s	
GetListOffiles	Succeeded	Lookup	3/7/2024, 2:10:12 PM	5s	AutoResolveIntegrator

5. Screenshot of configuration of Lookup Activity

The screenshot shows the configuration of a 'Lookup' activity within a pipeline. The 'Settings' tab is active, displaying the 'Source dataset' as 'random_datasql'. The 'Dataset properties' section shows the 'Table Name' as 'File_Loading_List' and the 'Type' as 'string'. The 'Query' field contains the SQL statement: 'SELECT File_Name, File_Delimiter,'.

6. Screenshot of configuration of Copy Activity

The screenshot displays the Microsoft Azure Data Factory portal. On the left, the 'Factory Resources' pane shows a hierarchy: Pipelines > pipeline2 > Datasets > DelimitedText1. The 'Activities' pane on the right lists 'Copy data' under 'Move and transform'. The main canvas shows a pipeline diagram with a 'Lookup' activity (GetListOffiles) connected to a 'ForEach' activity (ForEach1). The 'Copy data' activity is selected within the 'ForEach' loop.

The configuration pane for the 'Copy data' activity is shown below the diagram. It includes tabs for General, Source, Sink, Mapping, Settings, and User properties. The 'Source' tab is active, showing the 'Source dataset' as 'DelimitedText1'. Below this, the 'Dataset properties' table is displayed:

Name	Value	Type
File_Name	@item().File_Name	string
File_Delimiter	@item().File_Delimiter	string
Target_Table	@item().Target_Table	string

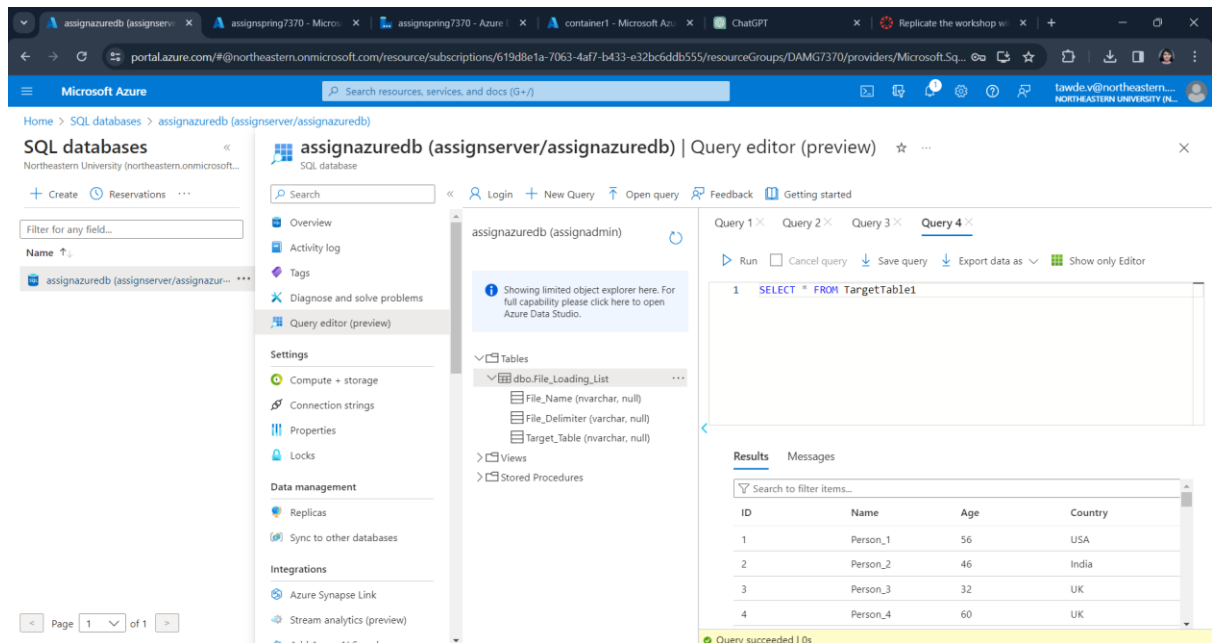
At the bottom, the 'File path type' is set to 'File path in dataset'.

This screenshot shows the same pipeline configuration as the previous one, but with the 'Sink' tab selected in the configuration pane. The 'Sink dataset' is set to 'random_datasql'. The 'Dataset properties' table is as follows:

Name	Value	Type
TableName	@item().Target_Table	string

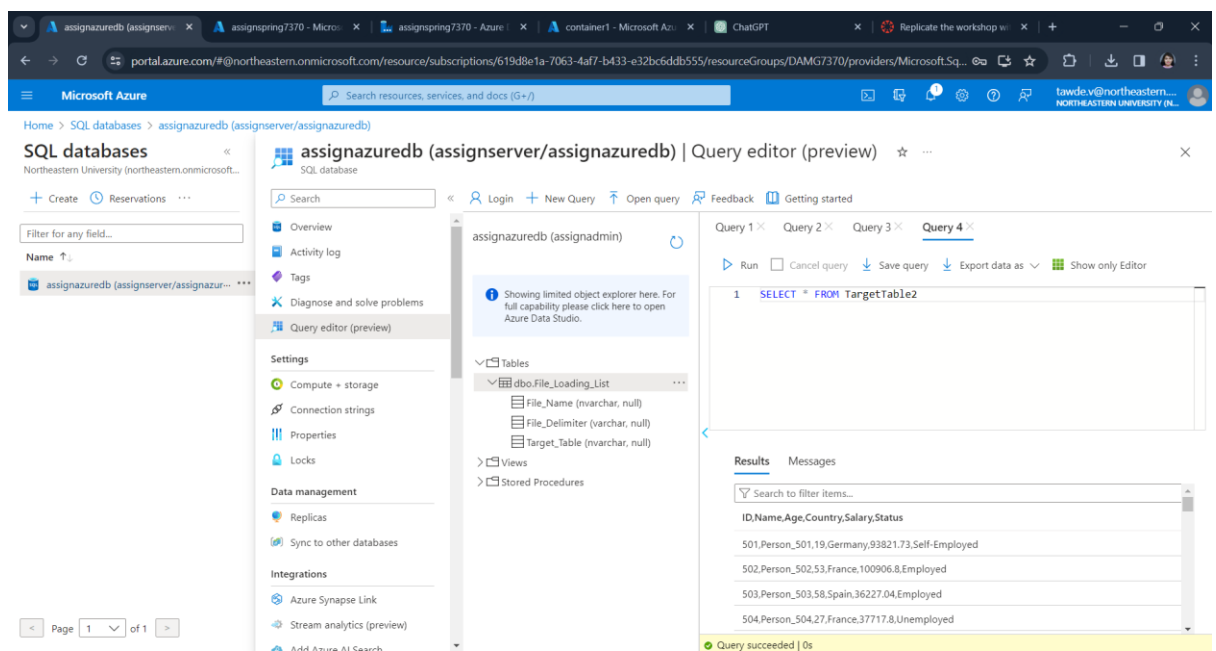
Below the table, the 'Write behavior' is set to 'Insert' (radio button selected), and the 'Bulk insert table lock' is set to 'No' (radio button selected).

7. Output Screenshot of Target tables



The screenshot shows the Microsoft Azure portal interface for the 'assignazuredb' database. The 'Query editor (preview)' is active, displaying a query that selects all data from 'TargetTable1'. The results are shown in a table with 4 rows and 4 columns: ID, Name, Age, and Country.

ID	Name	Age	Country
1	Person_1	56	USA
2	Person_2	46	India
3	Person_3	32	UK
4	Person_4	60	UK



The screenshot shows the Microsoft Azure portal interface for the 'assignazuredb' database. The 'Query editor (preview)' is active, displaying a query that selects all data from 'TargetTable2'. The results are shown in a table with 4 rows and 5 columns: ID, Name, Age, Country, and Salary, Status.

ID	Name	Age	Country	Salary, Status
501	Person_501	19	Germany	93821.73, Self-Employed
502	Person_502	53	France	100906.8, Employed
503	Person_503	58	Spain	36227.04, Employed
504	Person_504	27	France	37717.8, Unemployed

assignazuredb (assignserv... assignspring7370 - Micro... assignspring7370 - Azure... container1 - Microsoft Az... ChatGPT Replicate the workshop w... portal.azure.com/#@northeastern.onmicrosoft.com/resource/subscriptions/619d8e1a-7063-4af7-b433-e32bc6ddb555/resourceGroups/DAMG7370/providers/Microsoft.Sql... Microsoft Azure Search resources, services, and docs (G+/)

Home > SQL databases > assignazuredb (assignserver/assignazuredb)

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assignazuredb (assignadmin) | Query editor (preview)

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Overview Activity log Tags Diagnose and solve problems Query editor (preview)

Settings

- Compute + storage
- Connection strings
- Properties
- Locks

Data management

- Replicas
- Sync to other databases

Integrations

- Azure Synapse Link
- Stream analytics (preview)
- Azure AI Search

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables

- dbo.File_Loading_List
 - File_Name (nvarchar, null)
 - File_Delimiter (varchar, null)
 - Target_Table (nvarchar, null)

Views Stored Procedures

Query 1 × Query 2 × Query 3 × Query 4 ×

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT * FROM TargetTable3
```

Results Messages

Search to filter items...

ID	Name	Age	Country	Salary	Status
1001	Person_1001	57	Mexico	28143.59	Employed
1002	Person_1002	56	Mexico	79393.57	Self-Employed
1003	Person_1003	41	Russia	86083.32	Self-Employed
1004	Person_1004	25	Russia	82107.54	Retired

Query succeeded | 0s