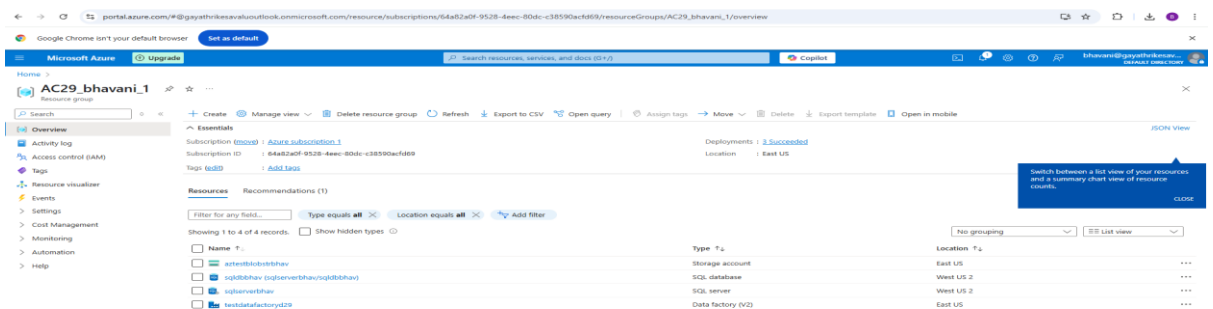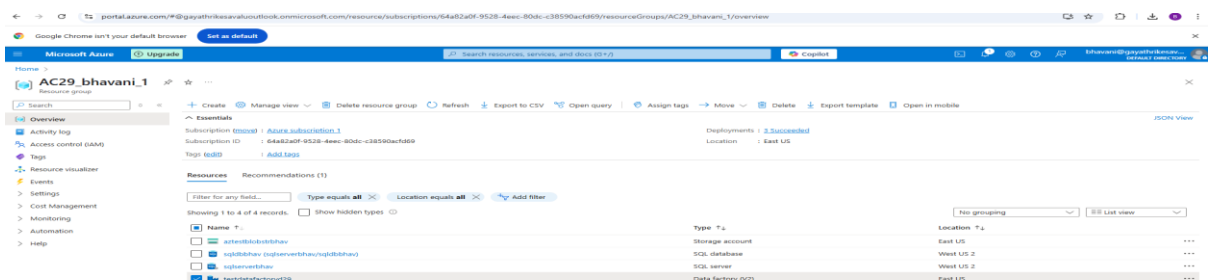# Homework | Cycle 29 | Session 13

- Extracts data dynamically from a SQL database.
- Loads the extracted data into Azure Data Lake Storage Gen2 (ADLS Gen2) in Parquet format.
- Converts the Parquet files into CSV format within ADLS Gen2.

- Login into portal.azure.com and go to your resource group
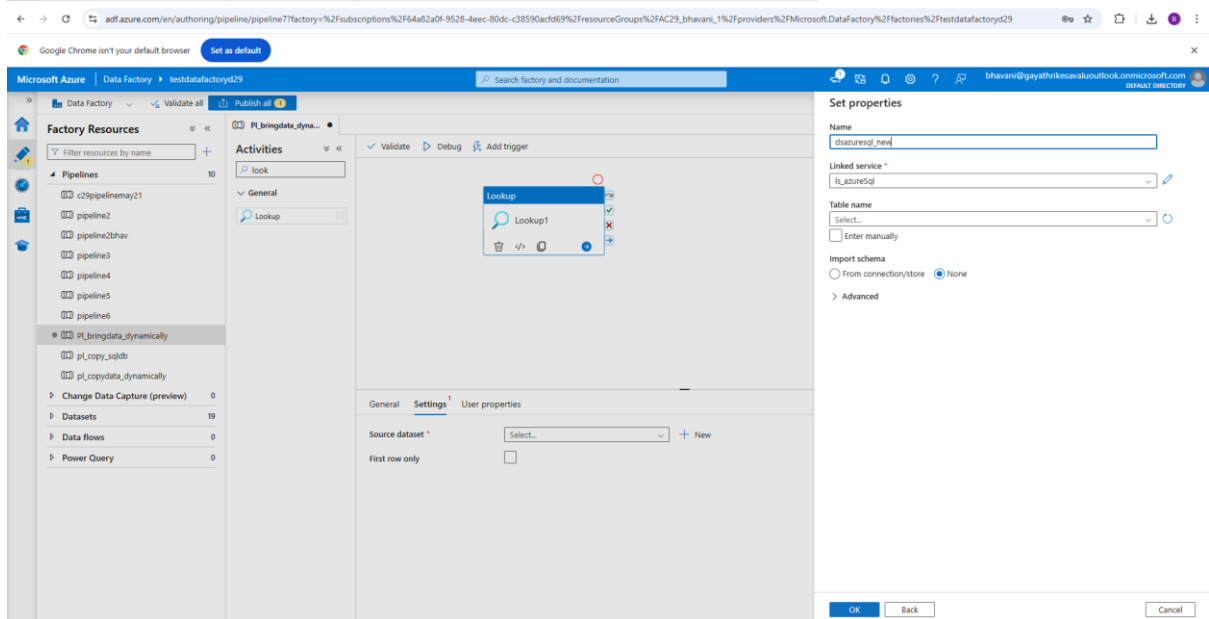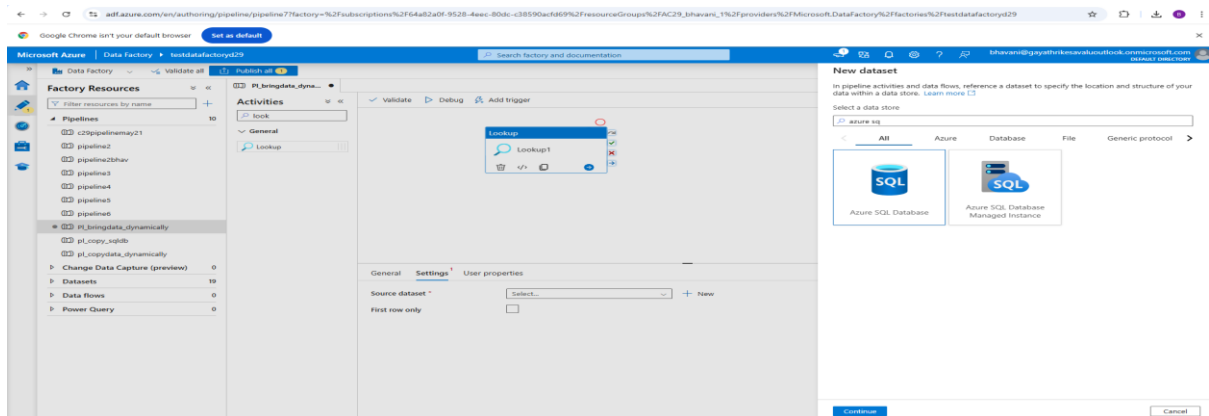

Go to your Data factory and open

Steps:

- In this activity we are bring data for multiple tables using single pipeline
- For this create 1st METADATA table name as TestTable in Azure Sqldb and insert data into created meta data table with detaqils of ID, Tablename, foldername, filename.
- Create a lookup activity in ADF which brings metadata table information details and displays into Json format file as output.
- In the settings tab uncheck the First row only check box and provide the source dataset details by clickig on New button.
- Select the azure sql db from dataset and click on continue in the **Set Properties** window provide the dataset name and linked service details.

- Select linked service and don't select the table name from the list as we are passing dynamic values and click on ok
- To create parameters i should go to parameters level so click on open button from dataset, it will open a tab of connection, schema and Parameters tabs.
- Go to Parameters session 1. Table Name, Schema Name, then go to connection tab as we have to pass those parameters whatever we created in Parameters tab.
- Click enter manually, click on Table name box, you will be able to see dynamic option and select schema and table name parameters as shown in snaps.
- Then go to your pipeline and provide the table name and schema name and click on debug.
- You will be able to see the input and output files after the pipeline runs completed successfully
- So, lookup will bring the metadata whatever we created azure sql database in the Json format.
- The Json output we will be passing in the similar way to next activity (for each)
- Step2: Take foreach activity and pass look up activity output to foreach input
- Click on lookup activity on **success button** ☑ as shown in picture and drag it to foreach activity input.
- Go to foreach settings tab and click on Items box and click on Add dynamic content there you will be able to see lookup activity outputs and select last option Look up value array
- Click on Edit button from inside foreach activity (pencil icon) as shown below
- And select your Copy activity inside foreach as below
- Go to source tab and select your dataset from source dataset dropdown
- Now select parameters from foreach (we will get parameters from foreach) and click on table name and click dynamic content and select foreach option
- As my main parameters from json file is TABLENAME and SCHEMANAME, i will add beside to item as .TABLENAME for TableName and .SCHEMANAME for Schema name and click on OK.
- Go to Sink tab, as we are loading data to Adls gen2, so will select the connector and select CSV format
- and click on edit to provide the parameters as foldername and filename then go to connection tab
- Provide `@concat(dataset().`FileName`,'.parquet')` `as format`
- Open copydata pipeline and give the values as parameters of foldername and filename as shown below
- Save the pipeline and publish it and Click on debug
- Files are placed to GEN2
- Next Convert the .parquet files into .csv files

```sql
28   ∨   CREATE TABLE TestTable
29       (ID INT,
30       TABLENAME VARCHAR(50),
31       SCHEMANAME VARCHAR(50),
32       FOLDERNAME VARCHAR(50),
33       FILENAME VARCHAR(50)
34       )
35
36
37
38       INSERT INTO TestTable VALUES(1, 'ProductModel','saleslt','d29/saleslt/ProductModel','ProductModel')
39       INSERT INTO TestTable VALUES(2, 'Customer','saleslt','d29/saleslt/Customer','Customer')
40       INSERT INTO TestTable VALUES(3, 'CustomerAddress','saleslt','d29/saleslt/CustomerAddress','CustomerAddress')
41
42
43       SELECT * FROM TestTable
```

PI_bringdata_dyna... ●

Activities

🔍 look

⌄ General

🔍 Lookup

Validate ▷ Debug ⚡ Add trigger

Lookup

🔍 Lookup1

🗑 </> ⧉

○
✓
✗
→

Properties

General   Related

Name *

| PI_bringdata_dynamically |

Description

Annotations

+ New

General   **Settings**   User properties

Source dataset *		📅 dsazuresql_new ▾	✏ Open + New ↔ Preview data Learn more ⧉
First row only		☐	
Use query		⦿ Table ○ Query ○ Stored procedure	
Query timeout (minutes) ⓘ		120	
Isolation level ⓘ		Select... ▾	
Partition option ⓘ		⦿ None ○ Physical partitions of table ⓘ ○ Dynamic range ⓘ	

ⓘ Please preview data to validate the partition settings.

Validate all   Publish all 2   Preview experience Off

PI_bringdata_dyna... ●   ▦ dsazuresql_new ●

Azure SQL Database
dsazuresql_new

Properties

General   Related (1)

Name *

| dsazuresql_new |

Description

Annotations

+ New

Connection   Schema   **Parameters**

+ New   🗑 Delete

	Name	Type	Default value	
☐	TableName	String ▾	Value	🗑
☐	SchemaName	String ▾	Value	🗑

PI_bringdata_dyna... ● dsazuresql_new ●

Azure SQL Database
dsazuresql_new

Connection   Schema   Parameters

Linked service *	ls_azureSql ✎ Test connection ✎ Edit + New Learn more ⧉
Table	@dataset().TableName . @dataset().SchemaName ⧉ Preview data
	☑ Enter manually

Validate all   Publish all 2   Preview experience ⬤ Off

PI_bringdata_dyna... ●   dsazuresql_new ●

Activities   ✓ Validate   ▷ Debug   ⚡ Add trigger

| look |

∨ General

🔍 Lookup

Lookup

🔍 Lookup1

🗑 </> 🗐 ⊕

General   **Settings**   User properties

Source dataset *	dsazuresql_new ✎ Open + New ⧉ Preview data Learn more ⧉

∨ Dataset properties ⓘ

Name	Value	Type
TableName	metadata	string
	Add dynamic content [Alt+Shift+D]	
SchemaName	dbo	string

First row only	☐
Use query	⦿ Table ○ Query ○ Stored procedure
Query timeout (minutes) ⓘ	120

```
{
    "count": 3,
    "value": [
        {
            "ID": 1,
            "TABLENAME": "Address",
            "SCHEMANAME": "saleslt",
            "FOLDERNAME": "contemp/saleslt/Address",
            "FILENAME": "Address"
        },
        {
            "ID": 1,
            "TABLENAME": "Product",
            "SCHEMANAME": "saleslt",
            "FOLDERNAME": "contemp/saleslt/Product",
            "FILENAME": "Product"
        },
        {
            "ID": 1,
            "TABLENAME": "ProductCategory",
            "SCHEMANAME": "saleslt",
            "FOLDERNAME": "contemp/saleslt/ProductCategory",
            "FILENAME": "ProductCategory"
        }
    ],
    "effectiveIntegrationRuntime": "AutoResolveIntegrationRuntime (West US 2)",
    "billingReference": {
        "activityType": "PipelineActivity",
        "billableDuration": [
            {
                "meterType": "AzureIR",
                "duration": 0.016666666666666666,
                "unit": "Hours"
            }
        ],
        "totalBillableDuration": [
            {
                "meterType": "AzureIR",
                "duration": 0.016666666666666666,
                "unit": "Hours"
            }
        ]
    }
}
```

Storeadl2gen2 into parquet format

dyna... • | dsazuresql_new

✓ Validate ✓ Validate copy runtime ▷ Debug ⨍ Add trigger

Pl_bringdata_dynamically > ForEach1

Copy data

Copy data1

Set properties

Name

Parquetformatextractionfromsql

Linked service *

AzureDataLakeStorage1

File path

contemp / dynamicdatafromazsqli... / File name

Import schema

○ From connection/store ○ From sample file ⦿ None

> Advanced

OK   Back   Cancel

General | Source | Sink¹ | Mapping | Settings | User properties

Sink dataset *   Select...   + New

---

testdatafactoryd29

Search factory and documentation

bhavani@gayathrikesavaluoutlook.onmicrosoft.com
DEFAULT DIRECTORY

↥ Validate all   ⬆ Publish all ②   Preview experience ◯ Off

Pl_bringdata_dyna... • | dsazuresql_new | Parquetformatextract... •

Activities

cop

∨ Move and transform

Copy data

✓ Validate ✓ Validate copy runtime ▷ Debug ⨍ Add trigger

Pl_bringdata_dynamically > ForEach1

Copy data

Copy data1

nically

nically

e (preview)   0

22

General | Source | Sink | Mapping | Settings | User properties

Sink dataset *   Parquetformatextractionfromsql   ✎ Open + New Learn more ⧉

Copy behavior ⓘ   Select...

Max concurrent connections ⓘ

Block size (MB) ⓘ

Metadata ⓘ   + New

Max rows per file ⓘ

Search factory and documentation

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DEFAULT DIRECTORY

ory ▾ Validate all Publishing 2

Publish all

sources

PI_bringdata_dyna... ×   dsazuresql_new   Parquetformatextract...

You are about to publish all pending changes to the live environment. Learn more

rces by name

Activities ≫ «

PI_bringdata_dynamically > ForEach1

Pending changes (2)

NAME	CHANGE	EXISTING

cop

10

elinemay21

∨ Move and transform

✓ Pipelines

e2

Copy data

PI_bringdata_dynamically (Edited) PI_bringdata_dynamically

e2bhav

Copy data

e3

Copy data1 ✓

✓ Datasets

e4

✗

Parquetformatextractionfr... (New) -

e5

e6

gdata_dynamically

General Source **Sink** Mapping Settings User properties

y_sqldb

ydata_dynamically

Sink dataset *

Parquetformatextractionfromsql   Open + New Learn more

ata Capture (preview) 0

∨ Dataset properties

22

Name	Value

qlTable1

FolderName @item().FolderName

FileName @item().FileName

Copy behavior Select...

tedText2

Max concurrent connections

tedText3

tedText4

Block size (MB)

tedText5

tedText6

Metadata + New

Publish Cancel

dsazuresql_new   Parquetformatextract...

✓ Validate ▷ Debug Add trigger

{ }

Lookup ✓

ForEach ✓

Lookup1

ForEach1

Activities
No activities

Parameters Variables Settings Output

Pipeline run ID 0abc856e-ef00-4512-a22c-07c647aa5198

Pipeline status ✓ Succeeded

View debug run consumption

All status ▾ List ▾

Monitor in Azure Metrics ↓ Export to CSV ∨

Showing 1 - 5 of 5 items

Activity name ↑↓	Activity st... ↑↓	Activit... ↑↓	Run start ↑↓	Duration ↑↓	Integration runtime ↑↓	User prop... ↑↓	Activity run ID ↑↓
Copy data1	✓ Succeeded	Copy data	6/2/2025, 4:05:35 PM	16s	AutoResolveIntegrationRuntime (East US)		4ae46f18-7463-4913-bd8f-866c0547
Copy data1	✓ Succeeded	Copy data	6/2/2025, 4:05:35 PM	17s	AutoResolveIntegrationRuntime (East US)		c46d521a-1844-48a8-a0f9-66f7728c
Copy data1	✓ Succeeded	Copy data	6/2/2025, 4:05:35 PM	18s	AutoResolveIntegrationRuntime (East US)		e177fd90-612b-44dd-9925-e3dcd51
ForEach1	✓ Succeeded	ForEach	6/2/2025, 4:05:34 PM	21s			9dc4de52-069f-42cc-a12e-24539933
Lookup1	✓ Succeeded	Lookup	6/2/2025, 4:05:20 PM	13s	AutoResolveIntegrationRuntime (West US 2)		5c6e5bb9-8ded-445e-b23f-79dcc46

Browse

Select a file or folder.

Root folder > **contemp**

📁 contemp

📁 sqlncpl

📄 DETestfile.xlsx

📄 pizza_sales.csv

Showing 1 - 4 of 4 items

[OK] [Cancel]

---

testdatafactoryd29   Search factory and documentation   bhavani@gayathrikesavaluoutlook.onmicrosoft.com
                                                                                            DEFAULT DIRECTORY

✓ Validate all   ⬆ Publish all   Preview experience   ⬤ Off

PI_bringdata_dyna...   Parquet2   ✅ Publishing completed
                                                                   Successfully published

Activities   ✓ Validate   ▷ Debug   🔗 Add trigger

🔍 cop

∨ Move and transform

📋 Copy data   Lookup   ForEach ✓
                                                      🔍 Lookup1   ☐ ForEach1

                                                                                Activities ✏
                                                                                📋
                                                                                Copy → ⊕
                                                                                data1
                                                                                🗑 </> 📄 ⊕

                    General   Source   **Sink**   Mapping   Settings   User properties

                    Sink dataset *   🔷 Parquet2   ✏ Open + New   Learn more 🔗

                                            ∨ Dataset properties ⓘ

                                            Name   Value   Type

                                            FolderName   @item().FolderName   string

                                            FileName   @item().FileName   string

                    Copy behavior ⓘ   Select...

                    Max concurrent connections ⓘ

                    Block size (MB) ⓘ

                    Metadata ⓘ   + New

                    Max rows per file ⓘ

Input

```json
{
  "source": {
    "type": "AzureSqlSource",
    "queryTimeout": "02:00:00",
    "partitionOption": "None"
  },
  "dataset": {
    "referenceName": "AzureSqlTable4",
    "type": "DatasetReference",
    "parameters": {
      "TableName": "testtable",
      "SchemaName": "dbo"
    }
  },
  "firstRowOnly": false
}
```

Output

[Copy to clipboard]

```json
{
    "count": 3,
    "value": [
        {
            "ID": 1,
            "TABLENAME": "ProductModel",
            "SCHEMANAME": "saleslt",
            "FOLDERNAME": "d29/saleslt/ProductModel",
            "FILENAME": "ProductModel"
        },
        {
            "ID": 2,
            "TABLENAME": "Customer",
            "SCHEMANAME": "saleslt",
            "FOLDERNAME": "d29/saleslt/Customer",
            "FILENAME": "Customer"
        },
        {
            "ID": 3,
            "TABLENAME": "CustomerAddress",
            "SCHEMANAME": "saleslt",
            "FOLDERNAME": "d29/saleslt/CustomerAddress",
            "FILENAME": "CustomerAddress"
        }
    ],
    "effectiveIntegrationRuntime": "AutoResolveIntegrationRuntime (West US 2)",
    "billingReference": {
        "activityType": "PipelineActivity",
        "billableDuration": [
            {
                "meterType": "AzureIR",
                "duration": 0.016666666666666666,
                "unit": "Hours"
            }
        ],
        "totalBillableDuration": [
            {
                "meterType": "AzureIR",
                "duration": 0.016666666666666666,
                "unit": "Hours"
            }
        ]
    },
    "durationInQueue": {
        "integrationRuntimeQueue": 0
```

pipeline7	AzureSqlTable2	pipeline8 ✕	AzureSqlTable4

Activities

🔍 look

∨ General

🔍 Lookup

✓ Validate ▷ Debug ⚡ Add trigger

Lookup ✓

🔍 Lookup1

Properties

General Related

Name *
pipeline8

Description

Annotations
+ New

Parameters Variables Settings **Output**

Pipeline run ID e1adbb47-5bc1-4f20-9bc5-a32441fe07df   **Pipeline status** ✓ Succeeded   View debug run consumption

All status ∨   Monitor in Azure Metrics ⬀ ⬇ Export to CSV | ∨

Showing 1 - 1 of 1 items

Activity name ↑↓	Activity st... ↑↓	Activit... ↑↓	Run start ↑↓	Duration ↑↓	Integration runtime ↑↓	Us
Lookup1	✓ Succeeded	Lookup	6/2/2025, 6:42:28 PM	13s	AutoResolveIntegrationRuntime (West US 2)	

Activities

look

∨ General

🔍 Lookup

✓ Validate ▷ Debug ⚡ Add trigger   {} ▦ ⋯

```
                    ⭕
        ┌─────────────────┐
        │ Lookup        ✓ │
        ├─────────────────┤
        │ 🔍  Lookup1    ✓ │
        │                ✗ │
        │ 🗑 </> 📋      ➡ │→
        └─────────────────┘
```

Properties

General   Related

Name *
pipeline8

Description

Annotations
+ New

General   **Settings**   User properties   ^

Source dataset *   ▦ AzureSqlTable4   ⌄   ✏ Open + New 👁 Preview data   Learn more ⧉

                           ⌄ Dataset properties ⓘ

Name	Value	Type
TableName	testtable	string
SchemaName	dbo	string

First row only   ☐

Use query   ◉ Table ○ Query ○ Stored procedure

Query timeout (minutes) ⓘ 120

Isolation level ⓘ   Select...   ⌄

⚏ pipeline7 | ▦ AzureSqlTable2 | ⚏ pipeline8 | ▦ **AzureSqlTable4** ✕

SQL   Azure SQL Database
           AzureSqlTable4

Connection   Schema   Parameters

Linked service *   ▦ ls_azureSql   ⌄   ⚡ Test connection ✏ Edit + New   Learn more ⧉

Table   @dataset().SchemaName   .   @dataset().TableName   👁 Preview data

                           ☑ Enter manually

Azure SQL Database
AzureSqlTable4

Connection   Schema   **Parameters**

+ New | 🗑 Delete

	Name	Type	Default value	
☐	TableName	String ⌄	Value	🗑
☐	SchemaName	String ⌄	Value	🗑

(◫◫) **pipeline8** ●

✓ Validate   ▷ Debug   ⚡ Add trigger

○

Lookup ✅

🔍 Lookup1 ✅

ForEach ↗

[≡] ForEach1

Activities ✏
No activities

➕

🗑 </> 📋 →

General   Settings¹   Activities (0)   User properties

Name *   ForEach1   Learn more ⎋

Description

Activity state ⓘ   ⦿ Activated   ○ Deactivated
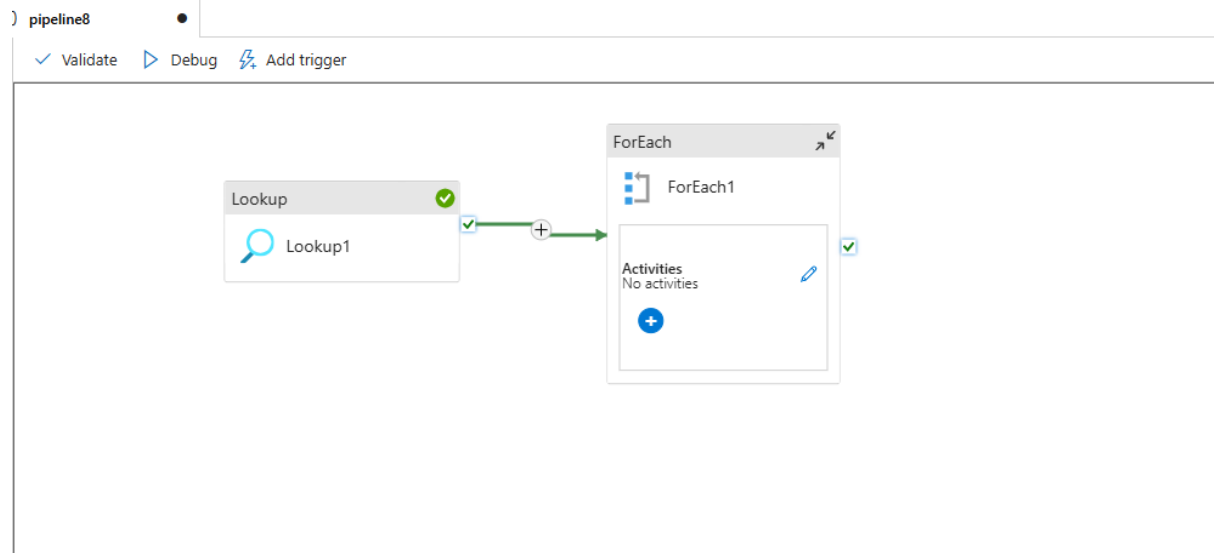
pipeline8

Validate ▷ Debug ⚡ Add trigger

Lookup
🔍 Lookup1 ✓

ForEach
ForEach1

Activities
No activities
➕

---

pipeline8

« Validate ▷ Debug ⚡ Add trigger

Lookup
🔍 Lookup1 ✓

ForEach
ForEach1

Activities
No activities
➕

🗑 </> 📋 ➕

General Settings¹ Activities (0) User properties

Sequential ☐

Batch count ⓘ [   ]

Items * [This property should be parameterized.]

Add dynamic content [Alt+Shift+D]

General **Settings** Activities (0) User properties

Sequential ☐

Batch count ⓘ [   ]

Items [@activity('Lookup1').output.value]

General   **Source**   Sink¹   Mapping   Settings   User properties

Source dataset *   [🔲 AzureSqlTable5   ⌄]   ✏ Open   + New   👓 Preview data   Learn more ⬈

Use query   ⦿ Table   ◯ Query   ◯ Stored procedure

Query timeout (minutes) ⓘ   [120   ]

Isolation level ⓘ   [Select...   ⌄]

Partition option ⓘ   ⦿ None   ◯ Physical partitions of table ⓘ   ◯ Dynamic range ⓘ

ⓘ Please preview data to validate the partition settings.

Additional columns ⓘ   + New

Connection   Schema   **Parameters**

+ New | 🗑 Delete

	Name	Type	Default value	
☐	TableName	String ⌄	Value	🗑
☐	SchemaName	String ⌄	Value	🗑

Connection   Schema   Parameters

Linked service * | 🔷 ls_azureSql   ⌄ | 🔧 Test connection   ✏️ Edit   ＋ New   Learn more 🔗

Table | Select...   ⌄ | 🔄 Refresh   👓 Preview data

☐ Enter manually

| 📖 pipeline7 | 📖 pipeline8 ● | ▦ AzureSqlTable5 ● |

Azure SQL Database
AzureSqlTable5

Connection   Schema   Parameters

Linked service * | 🔷 ls_azureSql   ⌄ | 🔧 Test connection   ✏️ Edit   ＋ New   Learn more 🔗

Table | schema name | . | table name | 👓 Preview data
Add dynamic content [Alt+Shift+D]
☑ Enter manually

Add dynamic content below using any combination of expressions, functions and system variables.

```
@dataset().SchemaName
```

Clear contents

Parameters   Functions

| 🔍 Search | ＋ |

| SchemaName |

TableName

OK   Cancel

Connection   Schema   Parameters

Linked service *   [ls_azureSql ▾]   ⚡ Test connection   ✏ Edit   + New   Learn more ⧉

Table   [@dataset().SchemaName] . [@dataset().TableName]   👓 Preview data
        ☑ Enter manually

Pipeline expression builder   ⤢

Add dynamic content below using any combination of expressions, functions and system variables.

@item().TableName

Clear contents

ForEach iterator   Activity outputs   Parameters   System variables   ⋯

🔍 Search

ForEach1
Current item

⬚⬚ pipeline8 ●   ▦ AzureSqlTable5 ●   ▥ Parquet3 ●

✓ Validate   ✓ Validate copy runtime   ▷ Debug   ⚡ Add trigger

⬚⬚ pipeline8 > ⊡ ForEach1

Copy data
🗄 Copy data1   ☑
🗑 </> 🗏 →   ✖
                →

General   Source   Sink   Mapping   Settings   User properties

Source dataset *   [🗄 AzureSqlTable5 ▾]   ✏ Open   + New   👓 Preview c

⌄ Dataset properties ⓘ

Name	Value
TableName	[Value]
	Add dynamic content [Alt+Shift+D]
SchemaName	[Value]

Use query   ⦿ Table   ○ Query   ○ Stored procedure

Query timeout (minutes) ⓘ   [120]

Isolation level ⓘ   [Select... ▾]

OK   Cancel

AzureSqlTable5

idate ✓ Validate copy runtime ▷ Debug ⚡ Add trigger

eline8 > ⬚ ForEach1

Copy data

🗄 Copy data1

🗑 ⟨/⟩ 🗐 ➡

ral Source **Sink** ¹ Mapping Settings User properties

ataset * Select... ⌄ ＋ New

Select format

Choose the format type of your data

Avro	Binary	DelimitedText

Iceberg	JSON	ORC

Parquet

Continue   Back   Cancel

Set properties

Name

Parquet3

Linked service *

AzureDataLakeStorage1

File path

contemp / Directory / File name

Import schema

(•) From connection/store   ( ) From sample file   ( ) None

> Advanced

+ New

OK   Back   Cancel

Connection Schema **Parameters**

+ New | 🗑 Delete

	Name	Type	Default value	
☐	FolderName	String ▾	Value	🗑
☐	FileName	String ▾	Value	🗑

Publish all 3

| pipeline7 | pipeline8 ● | AzureSqlTable5 ● | Parquet3 ● |

Parquet
Parquet3

Connection Schema Parameters

| Linked service * | ⬛ AzureDataLakeStorage1 ▾ | 🖋 Test connection | 🖉 Edit | + New | Learn more ↗ |

| File path | contemp | / | @dataset().FolderName | / | File name | 📁 |

Add dynamic content [Alt+Shift+D]

| Compression type | snappy ▾ |

Pipeline expression builder ⤢

Add dynamic content below using any combination of expressions, functions and system variables.

```
@concat(dataset().FileName,'.parquet')
```

Clear contents

Parameters Functions

🔍 Search +

FileName

FolderName

OK Cancel

Connection Schema Parameters ⌃

| Linked service * | ⬛ AzureDataLakeStorage1 ▾ | 🖋 Test connection | 🖉 Edit | + New | Learn more ↗ |

| File path | contemp | / | @dataset().FolderName | / | @concat(dataset().FileName,'.parquet') | 📁 Browse ▾ | 🔗 Preview data |

| Compression type | snappy ▾ |

✓ Validate   ✓ Validate copy runtime   ▷ Debug   ⚡ Add trigger

▱▱ pipeline8 > ⊡ ForEach1

Add dynamic content below using any combination of expressions, functions and system variables.

```
@item().FolderName
```

Clear contents

ForEach iterator   Activity outputs   Parameters   System variables   ···

🔍 Search

ForEach1
Current item

Copy data

⬛ Copy data1

General   Source   **Sink**   Mapping   Settings   User properties

Sink dataset *   ◆ Parquet3 ▾   ✏ Open   + New   Learn more

∨ Dataset properties ⓘ

Name	Value
FolderName	Value
	Add dynamic content [Alt+Shift+D]
FileName	Value

Copy behavior ⓘ   Select... ▾

Max concurrent connections ⓘ   [   ]

Block size (MB) ⓘ   [   ]

OK   Cancel

General   Source   **Sink**   Mapping   Settings   User properties

Sink dataset *   ◆ Parquet3 ▾   ✏ Open   + New   Learn more ⧉

∨ Dataset properties ⓘ

Name	Value
FolderName	@item().FolderName
FileName	@item().FileName

Copy behavior ⓘ   Select... ▾

Max concurrent connections ⓘ   [   ]

Block size (MB) ⓘ   [   ]

Metadata ⓘ   + New

Publish all

You are about to publish all pending changes to the live environment. Learn more [↗]

Pending changes (3)

NAME	CHANGE	EXISTING
∨ Pipelines		
⬚ pipeline8	(Edited)	pipeline8
∨ Datasets		
⊞ AzureSqlTable5	(New)	–
⊞ Parquet3	(New)	–

Publish   Cancel

General	Settings	Activities (1)	User properties

Case	Activity
ForEach	Copy data1
	1 Activity

Parameters	Variables	Settings	Output

Pipeline run ID 29e5023d-45f6-43c5-98eb-69d54b4a4cb4 ⟳ ⓘ   **Pipeline status** ✓ Succeeded   View debug run consumption

All status ∨   List ∨   Monitor in Azure Metrics [↗]   ↓ Export to CSV | ∨

Showing 1 - 5 of 5 items

Activity name ↑↓	Activity stat... ↑↓	Activity ... ↑↓	Run start ↑↓	Duration ↑↓	Integration runtime ↑↓	User proper... ↑↓	Activity run ID ↑↓	Log
Copy data1	✓ Succeeded	Copy data	6/3/2025, 1:58:56 PM	16s	AutoResolveIntegrationRuntime (East US)		95783842-513c-4e5b-8ac0-1e1937f1302d	
Copy data1	✓ Succeeded	Copy data	6/3/2025, 1:58:56 PM	17s	AutoResolveIntegrationRuntime (East US)		a7bab483-5437-441d-86cb-ff5dfc04f644	
Copy data1	✓ Succeeded	Copy data	6/3/2025, 1:58:56 PM	18s	AutoResolveIntegrationRuntime (East US)		c2c533b0-f355-4cd1-9136-3302668227e4	
ForEach1	✓ Succeeded	ForEach	6/3/2025, 1:58:55 PM	20s			b2f1c705-a6f0-4222-af3c-2d0f3e36feef	
Lookup1	✓ Succeeded	Lookup	6/3/2025, 1:58:37 PM	18s	AutoResolveIntegrationRuntime (West US 2)		28bfe54b-e07c-4753-9d4c-b2d720194a78	

Home > Recent > adlsgend21 | Containers >

contemp
Container

+ Add Directory	↑ Upload	⟳ Refresh

🗄 contemp

Authentication method: Access key (Switch to Microsoft Entra user account)

🔍 Search blobs by prefix (case-sensitive)   Only show active objects ∨

Showing all 6 items

	Name	Last modified	Access tier	Blob type	Size	Lease state	
☐	📁 contemp	5/29/2025, 6:07:20 PM					⋯
☑	📁 d29	6/3/2025, 1:59:10 PM					⋯
☐	📁 sqlncpl	5/28/2025, 7:37:15 PM					⋯
☐	📄 DETestfile.xlsx	5/25/2025, 9:25:31 PM	Hot (Inferred)	Block blob	8.65 KiB	Available	⋯
☐	📄 SalesLT.Customer.txt	6/2/2025, 10:38:53 PM	Hot (Inferred)	Block blob	212.88 KiB	Available	⋯
☐	📄 pizza_sales.csv	5/25/2025, 9:12:50 PM	Hot (Inferred)	Block blob	7.53 MiB	Available	⋯

🗄 contemp > 📁 d29

Authentication method: Access key (Switch to Microsoft Entra user account)

🔍 Search blobs by prefix (case-sensitive)   Only show active objects ∨

Showing all 1 items

	Name	Last modified	Access tier	Blob type	Size	Lease state	
☐	📁 [..]						⋯
☐	📁 saleslt	6/3/2025, 1:59:10 PM					⋯

Converts the Parquet files into CSV format within ADLS Gen2.

New dataset

In pipeline activities and data flows, reference a dataset to specify the location and structure of your data within a data store. Learn more ⧉

Select a data store

🔍 azure dat

All | Azure | Database | File | Generic protocol ›

Azure Data Explorer (Kusto)

Azure Data Lake Storage Gen2

Azure Database for MySQL

Azure Database for PostgreSQL

Azure Databricks Delta Lake

Continue   Cancel

Validate | ✓ Validate copy runtime | ▷ Debug | ⚡ Add trigger

Copy data
Copy data1

General | Source¹ | Sink¹ | Mapping | Settings | User properties

Source dataset *   [Select... ▾]   + New

Select format

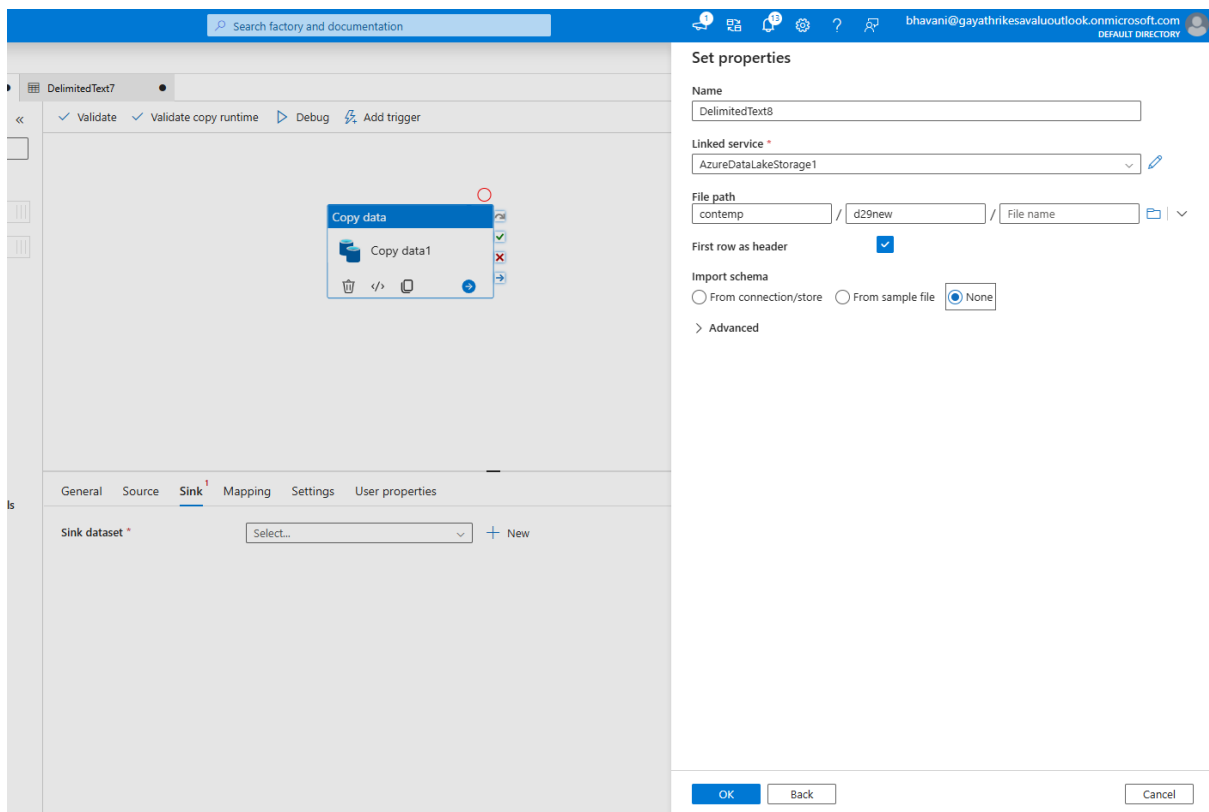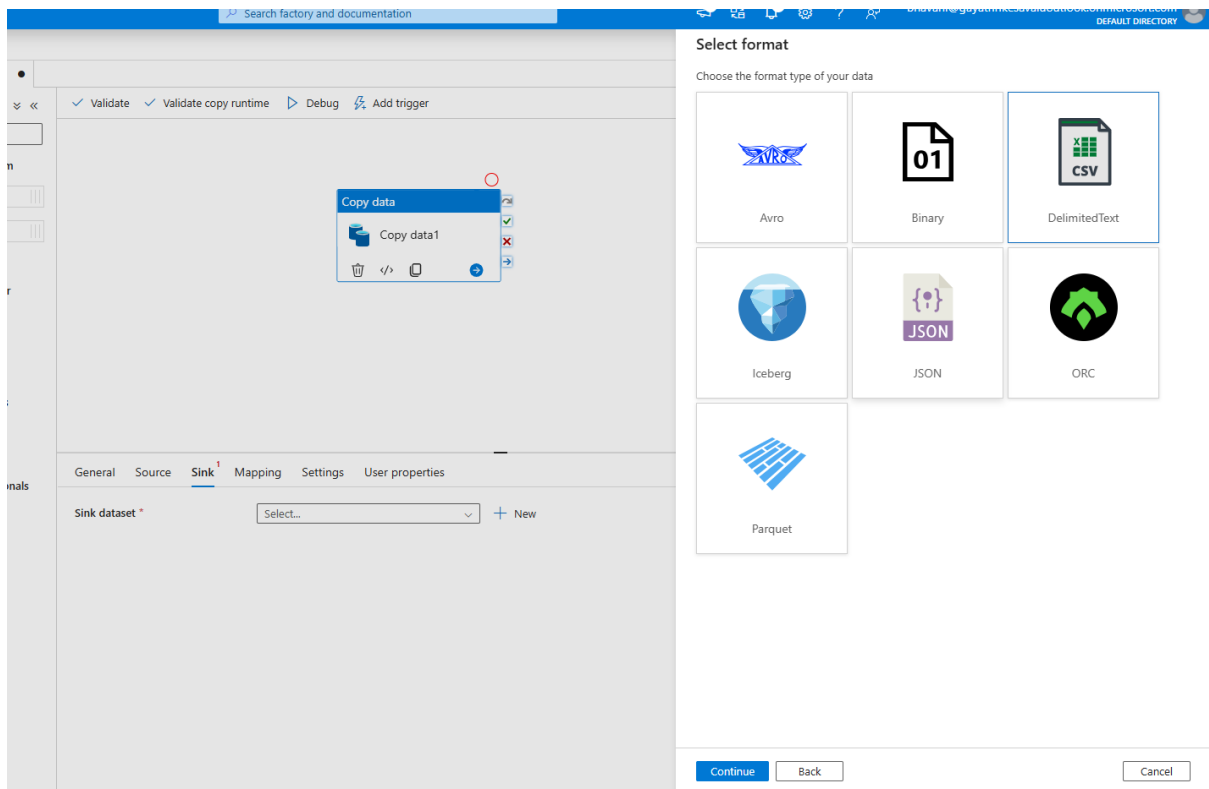Choose the format type of your data

Avro | Binary | DelimitedText

Excel | JSON | ORC

Parquet | XML

Continue   Back   Cancel

Set properties

Name

Parquet3

Linked service *

AzureDataLakeStorage1   ✕ ⌄   ✎

File path

contemp   /   d29   /   File name   📁 | ⌄

Import schema

◉ From connection/store   ○ From sample file   ○ None

⌄ Advanced

☑ Validate   ☑ Validate copy runtime   ▷ Debug   ⚡ Add trigger

Copy data

📦 Copy data1

🗑 </> 📋 ➜

General   Source¹   Sink¹   Mapping   Settings   User properties

Source dataset *   Select...   ⌄   + New

[OK]   [Back]   [Cancel]

New dataset

In pipeline activities and data flows, reference a dataset to specify the location and structure of your data within a data store. Learn more ↗

Select a data store

🔍 Search

← All   Azure   Database   File   Generic protocol ›

Azure AI Search	Azure Blob Storage	Azure Cosmos DB for MongoDB
Azure Cosmos DB for NoSQL	Azure Data Explorer (Kusto)	Azure Data Lake Storage Gen2
Azure Database for MySQL	Azure Database for PostgreSQL	Azure Databricks Delta Lake

---

☑ Validate copy runtime   ▷ Debug   ⚡ Add trigger

Copy data

📦 Copy data1

🗑 </> 📋 ➜

Source   Sink¹   Mapping   Settings   User properties

t *   Select...   ⌄   + New

[Continue]   [Cancel]

bhavani@gayathrikesavaluoutlook.onmicrosoft.com
DEFAULT DIRECTORY

Select format

Choose the format type of your data

AVRO	01	CSV
Avro	Binary	DelimitedText
Iceberg	JSON	ORC
Parquet		

Validate ✓ Validate copy runtime ▷ Debug ⚡ Add trigger

Copy data
Copy data1

General Source Sink¹ Mapping Settings User properties

Sink dataset *   Select...   + New

Continue   Back   Cancel

---

bhavani@gayathrikesavaluoutlook.onmicrosoft.com
DEFAULT DIRECTORY

Set properties

Name

DelimitedText8

Linked service *

AzureDataLakeStorage1

File path

contemp / d29new / File name

First row as header ✓

Import schema

◯ From connection/store   ◯ From sample file   ⦿ None

› Advanced

OK   Back   Cancel

DelimitedText7

Validate ✓ Validate copy runtime ▷ Debug ⚡ Add trigger

Copy data
Copy data1

General Source Sink¹ Mapping Settings User properties

Sink dataset *   Select...   + New

General   Source   **Sink**   Mapping   Settings   User properties

Sink dataset *   [📄] DelimitedText8   ⌄   ✏ Open   + New   Learn more ⧉

Copy behavior ⓘ   Preserve hierarchy   ✕ ⌄

Max concurrent connections ⓘ   ┌─────── Preserve hierarchy ───────┐
                                  └──────────────────────────────────┘

Block size (MB) ⓘ   [   ]

Metadata ⓘ   + New

Quote all text   [✓]

File extension ⓘ   .txt

Max rows per file ⓘ   [   ]

General   Source   **Sink**   Mapping   Settings   User properties

Sink dataset *   [📄] DelimitedText8   ⌄   ✏ Open   + New   Learn more ⧉

Copy behavior ⓘ   Preserve hierarchy   ⌄

Max concurrent connections ⓘ [   ]

Block size (MB) ⓘ   [   ]

Metadata ⓘ   + New

Quote all text   [✓]

File extension ⓘ   .csv
                           Add dynamic content [Alt+Shift+D]

Max rows per file ⓘ   [   ]

Copy data ✓

▥ Copy data1   ☑

Parameters   Variables   Settings   **Output**   ^

Pipeline run ID 508b6626-aa33-497c-a8a9-e06a1d0d9b1e ⟲ ⓘ   **Pipeline status** ✓ Succeeded   View debug run consumption

All status ⌄   Monitor in Azure Metrics ↗   ⭳ Export to CSV | ⌄

Showing 1 - 1 of 1 items

Activity name ↑↓	Activity st... ↑↓	Activit... ↑↓	Run start ↑↓	Duration ↑↓	Integration runtime ↑↓	User prop... ↑↓	Activity run ID ↑↓
Copy data1	✓ Succeeded	Copy data	6/3/2025, 3:50:31 PM	17s	AutoResolveIntegrationRuntime (East US)		f93ac420-e868-4086-a45e-03188844

With Preserve Hierarchy

Home > adlsgend21

▥ **adlsgend21 | Containers** ☆ ⋯
   Storage account   ✕

🔍 Search   ○ «   + Add container   ⬆ Upload   ⟲ Refresh | 🗑 Delete   🔒 Change access level   ↺ Restore containers ⌄   ▦ Edit columns

▤ Overview   🔍 Search containers by prefix   Only show active containers ⌄

▤ Activity log   Showing all 3 items

🏷 Tags   ☐ Name   Last modified   Anonymous access level   Lease state
✕ Diagnose and solve problems
🔑 Access Control (IAM)   ☐ 📁 $logs   5/19/2025, 10:18:54 PM   Private   Available   ⋯
▤ Data migration   ☐ 📁 contemp   5/19/2025, 10:20:16 PM   Private   Available   ⋯
⚡ Events   ☑ 📁 d29new   6/3/2025, 3:40:49 PM   Private   Available   ⋯
▥ Storage browser
▥ Partner solutions
⬩ Resource visualizer

With Flatten Hierarchy

d29new
Container

Search

- Overview
- Diagnose and solve problems
- Access Control (IAM)
- Settings

+ Add Directory   ↑ Upload   ↻ Refresh | 🗑 Delete   Copy   Paste   Rename   Acquire lease   Break lease   Edit columns

d29new

Authentication method: Access key (Switch to Microsoft Entra user account)

Search blobs by prefix (case-sensitive)   Only show active objects

Showing all 3 items (3 selected)

Name	Last modified	Access tier	Blob type	Size	Lease state	
data_fda42c60-3c11-46fd-8ce1-59b55897a441_aabdce89-605f-4346-b6a1-eb8966fd4a7e.csv	6/3/2025, 3:40:53 PM	Hot (Inferred)	Block blob	214.53 KiB	Available	...
data_fda42c60-3c11-46fd-8ce1-59b55897a441_c78d3112-21e9-45d3-b33a-1796c0aeb6d8.csv	6/3/2025, 3:40:53 PM	Hot (Inferred)	Block blob	37.58 KiB	Available	...
data_fda42c60-3c11-46fd-8ce1-59b55897a441_f4cc0542-3887-4c46-a988-f7ca00e8d189.csv	6/3/2025, 3:40:53 PM	Hot (Inferred)	Block blob	25.27 KiB	Available	...

d29new

Authentication method: Access key (Switch to Microsoft Entra user account)

Search blobs by prefix (case-sensitive)   Only show active objects