

ADF Copy Data Activity

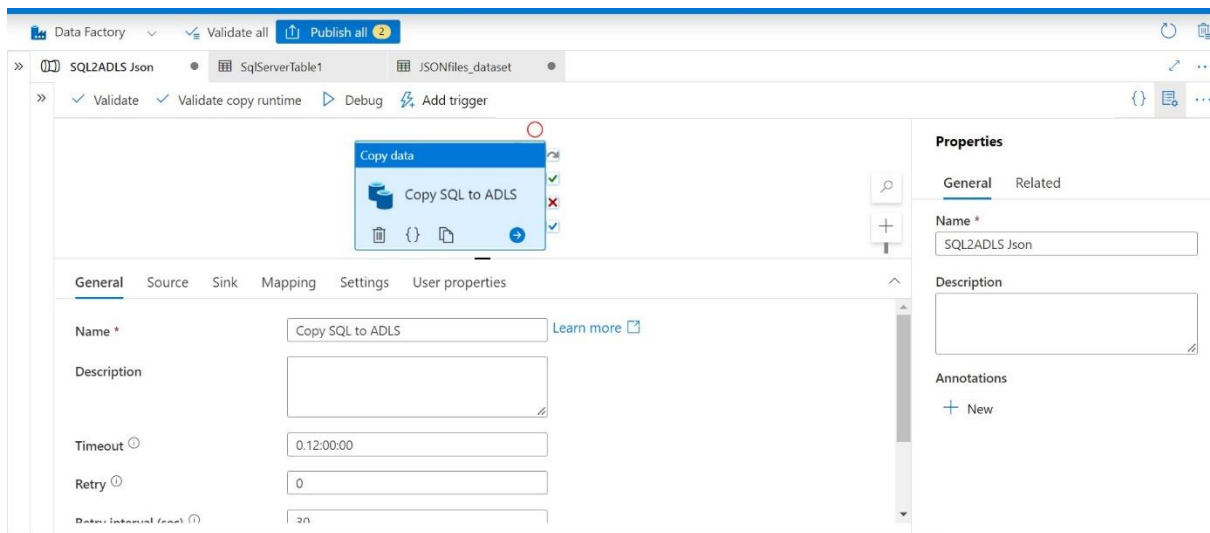
(On prem SQL to ADLS - CSV to JSON)

Problem Statement:

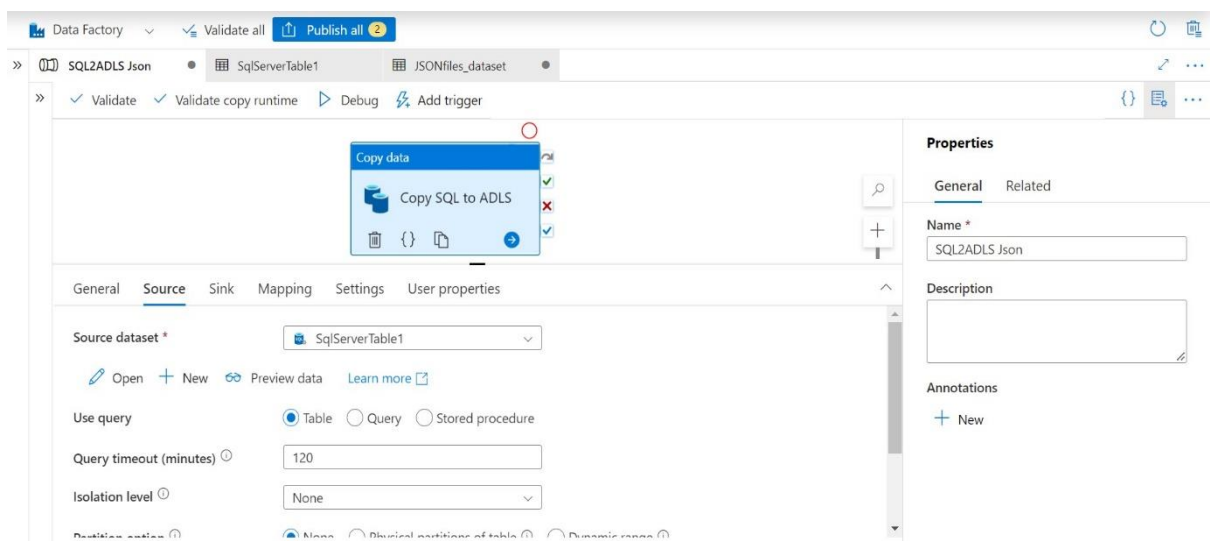
Copy data from MS SQL Server 2019 SSMS data base to Azure Data Lake Storage gen2 and store the data in JSON format at ADLS.

Solution:

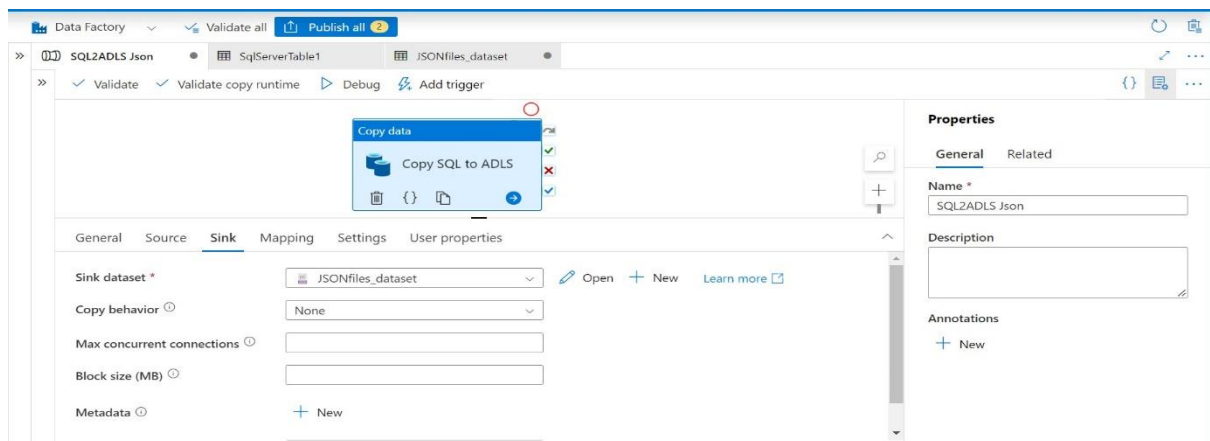
ADF Copy Data Activity Pipeline - General



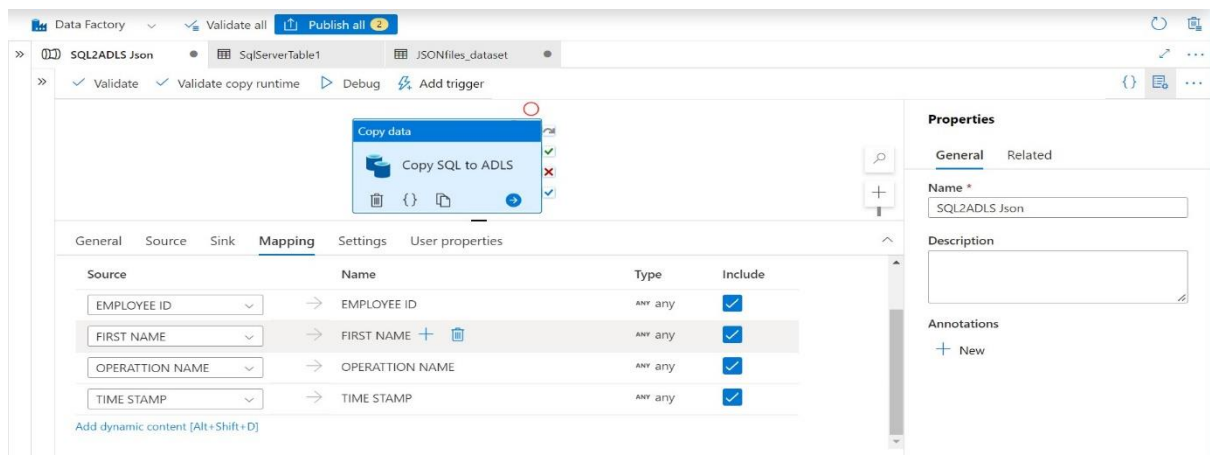
ADF Copy Data Activity Pipeline – Source



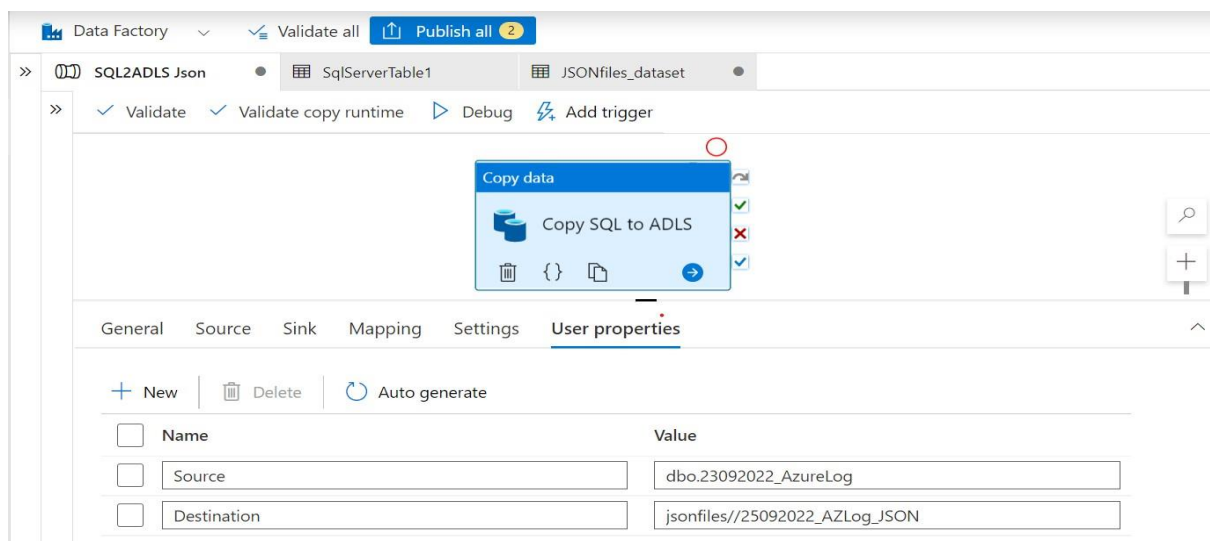
ADF Copy Data Activity Pipeline – Sink



ADF Copy Data Activity Pipeline – Mapping



ADF Copy Data Activity Pipeline – User Properties



ADF Copy Data Activity Pipeline – Publish

Publish all

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

Pending changes (2)

NAME	CHANGE	EXISTING
✓ Pipelines		
 SQL2ADLS Json	(New)	-
✓ Datasets		
 JSONfiles_dataset	(New)	-

Publish

Cancel

Azure Data Lake Storage before running pipeline

Home > csv2sqlconvdatalake | Containers >

jsonfiles Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

Shared access tokens

Access policy

Properties

Metadata

Authentication method: Access key (Switch to Azure AD User Account)

Location: jsonfiles

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type
No results				

ADF Copy Data Activity Pipeline – Trigger pipeline run

All pipeline runs > SQL2ADLS Json - Activity runs

SQL2ADLS Json

List Gantt

Rerun Rerun from activity Rerun from failed activity Refresh Update pipeline

Activity runs

Pipeline run ID 187373d1-a74f-4312-b158-ab2d007e5935

All status ▾

Showing 1 - 1 items

Activity name ↑↓	Activity type ↑↓	Run start ↑↓	Duration ↑↓	Status ↑↓	Error
Copy SQL to ADLS	Copy data	Sep 25, 2022, 11:10:20 pm	00:00:18	✓ Succeeded	

ADLS container after running pipeline

Home > csv2sqlconvdatalake | Containers >

jsonfiles

Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots

Authentication method: Access key (Switch to Azure AD User Account)
Location: jsonfiles

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size
25092022_AZLog_JSON	9/25/2022, 11:10:34 ...	Hot (Inferred)		Block blob	1.87

JSON file

Home > csv2sqlconvdatalake | Containers > jsonfiles >

25092022_AZLog_JSON

Blob

Save Discard Download Refresh Delete

Overview Versions Snapshots Edit Generate SAS

The file '25092022_AZLog_JSON' may not render correctly as it contains an unrecognized extension.

```
1 {"EMPLOYEE ID": "1", "FIRST NAME": "Rosy", "OPERATION NAME": "List Storage Account Keys", "TIME STAMP": "26-06-2021 14:24"}
2 {"EMPLOYEE ID": "2", "FIRST NAME": "Mary", "OPERATION NAME": "Delete SqlPools", "TIME STAMP": "25-06-2021 14:22"}
3 {"EMPLOYEE ID": "3", "FIRST NAME": "Jack", "OPERATION NAME": "Pause SQL Analytics pools.", "TIME STAMP": "25-06-2021 14:22"}
4 {"EMPLOYEE ID": "4", "FIRST NAME": "Raees", "OPERATION NAME": "Pause SQL Analytics pools.", "TIME STAMP": "23-06-2021 07:23"}
5 {"EMPLOYEE ID": "5", "FIRST NAME": "Ruby", "OPERATION NAME": "List Storage Account Keys", "TIME STAMP": "20-06-2021 07:23"}
6 {"EMPLOYEE ID": "6", "FIRST NAME": "Romeo", "OPERATION NAME": "Pause a Datawarehouse database.", "TIME STAMP": "19-06-2021 07:23"}
7 {"EMPLOYEE ID": "7", "FIRST NAME": "Mathew", "OPERATION NAME": "Create Pipeline Run", "TIME STAMP": "17-06-2021 07:23"}
8 {"EMPLOYEE ID": "8", "FIRST NAME": "Mark", "OPERATION NAME": "Create Pipeline Run", "TIME STAMP": "15-06-2021 14:22"}
9 {"EMPLOYEE ID": "9", "FIRST NAME": "Merlin", "OPERATION NAME": "Create or Update any Pipeline.", "TIME STAMP": "13-06-2021 07:23"}
10 {"EMPLOYEE ID": "10", "FIRST NAME": "David", "OPERATION NAME": "Create or Update any Pipeline.", "TIME STAMP": "12-06-2021 07:23"}
11 {"EMPLOYEE ID": "11", "FIRST NAME": "William", "OPERATION NAME": "Validate Deployment", "TIME STAMP": "10-06-2021 07:23"}
12 {"EMPLOYEE ID": "12", "FIRST NAME": "Nikesh", "OPERATION NAME": "Delete SQL account first 11 blobs", "TIME STAMP": "06-06-2021 07:23"}
```

Json Preview