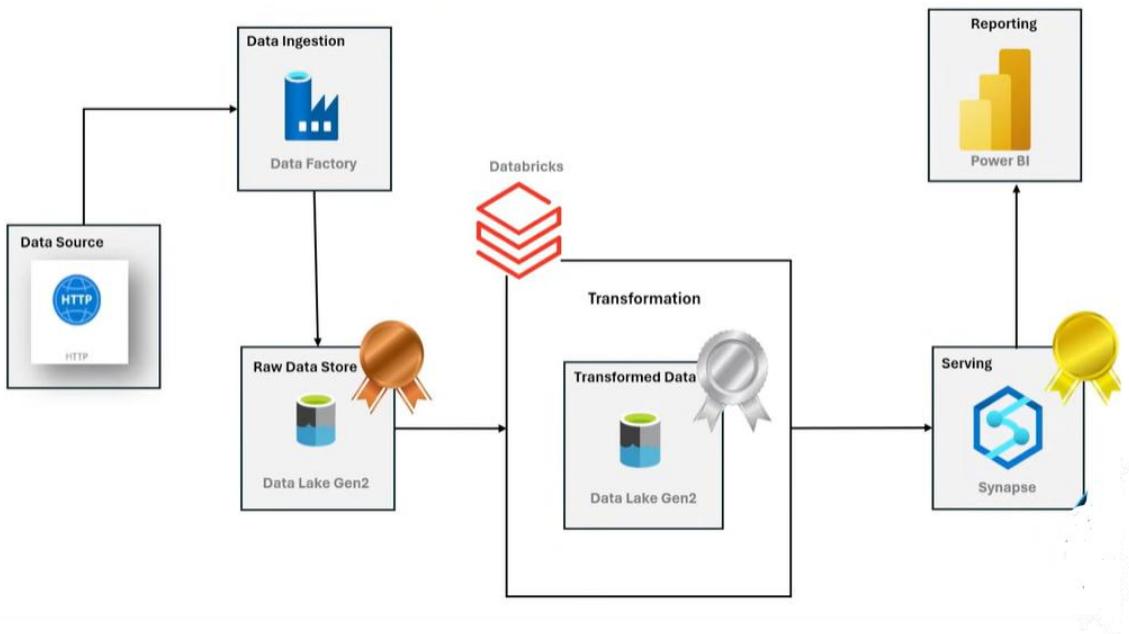


Adventure_Works_Data Engineering_Project



First you neeed to prepare data sets

Adventure works data sets then you can Go to Azure Data Factori

Step:1

Go to >> Go to Resource >> Search the Resource Group >> Create Resource G

Adventure_Works_Data Engineering_Project

This screenshot shows the Microsoft Azure Resource Groups page. It displays a list of existing resource groups: AWPROJECT, managed-adb-aw-project, NetworkWatcherRG, and syn. Each group is associated with a 'Free Trial' subscription and either East US or West US location.

This screenshot shows the 'Create a resource group' wizard on the 'Basics' step. The user has entered 'AWPROJECTs' as the resource group name and selected '(US) East US' as the region. The 'Subscription' dropdown is set to 'Free Trial'. The 'Review + create' button is visible at the bottom.

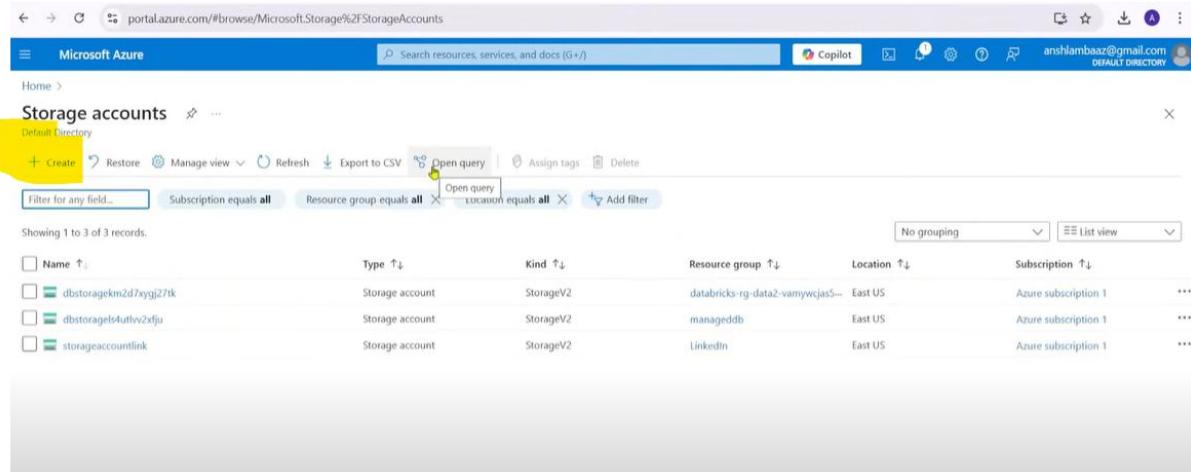
This screenshot shows the 'Create a resource group' wizard on the 'Review + create' step. The user has reviewed the details: Subscription (Free Trial), Resource group name (AWPROJECTs), and Region (East US). The 'Tags' section is empty. A yellow circle highlights the 'Create' button at the bottom of the page.

Then you need to type all the details and create the Resource group First.

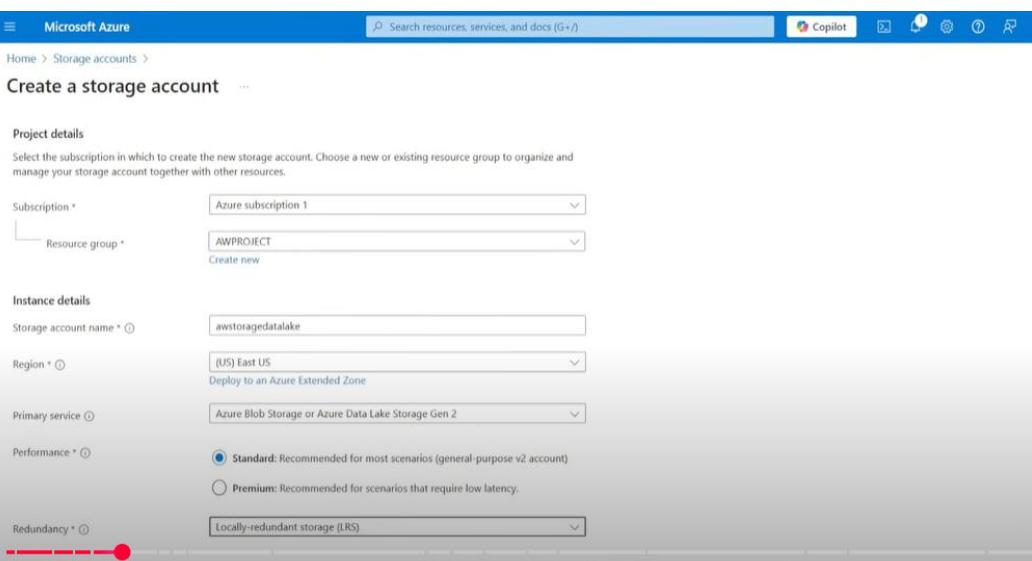
Step:2

Goto>> Resource >> Search for the resource group >>> land the resource group

Adventure_Works_Data Engineering_Project

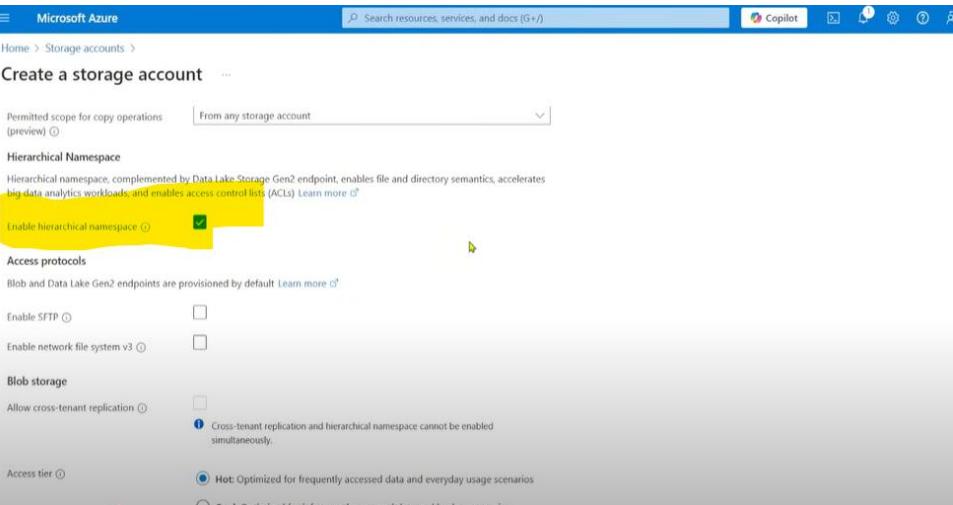


The screenshot shows the Microsoft Azure Storage accounts page. It displays three storage accounts: dbstoragekm2d7xyqj27k, dbstoragel4ufhv2xfju, and storageaccountlink. The columns include Name, Type, Kind, Resource group, Location, and Subscription. The 'Subscription equals all' filter is applied.



The screenshot shows the 'Create a storage account' page under 'Project details'. It includes fields for Subscription (Azure subscription 1), Resource group (AWPROJECT), Storage account name (awstoragedatalake), Region ((US) East US), Primary service (Azure Blob Storage or Azure Data Lake Storage Gen 2), Performance (Standard), and Redundancy (Locally-redundant storage (LRS)).

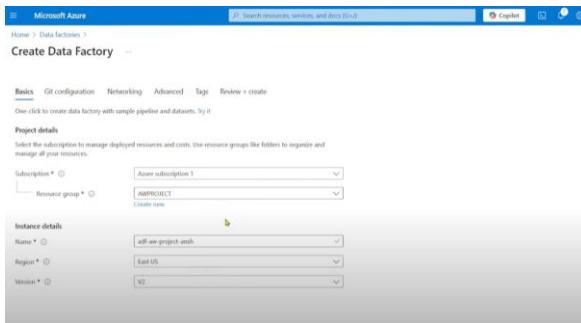
Click the Next and go to the Advanced tab and Enable the Hirarchical toggle button. And directly click on the review nd create button.



The screenshot shows the 'Create a storage account' page with the 'Advanced' tab selected. The 'Hierarchical Namespace' toggle button is checked. Other sections visible include 'Access protocols' (blob and data lake endpoints), 'Blob storage' (allow cross-tenant replication), and 'Access tier' (Hot or Cool options).

Step:3: You need to go to>> create resource>> Search for the Azure Data Factory

Adventure_Works_Data Engineering_Project



Then You need to click on the review & create
then you need to go Azure Data Factory which you need to create then Launch the Azure Data Factory once lauch the Azure Data factory you can landed this below page.

Click on the new pipeline and create name :Dynamic_Pipeline

Adventure_Works_Data_Engineering_Project

The screenshot displays the Microsoft Azure Data Factory interface for creating a new dataset named "Dynamic_copy". The process involves three main tabs: General, Source, and Sink.

- General Tab:** Shows the dataset name "Dynamic_copy" and its properties like "Linked service", "Description", and "Activity type".
- Source Tab:** Set to "Copy data" using "Dynamic copy" with "HTTP" as the source. It includes fields for "Source URL" and "First row as header".
- Sink Tab:** Set to "File" as the sink type, with "JSON" as the format. It includes fields for "Linked service", "Description", and "Activity type".
- Mapping Tab:** Shows the mapping configuration for the dataset.

Adventure_Works_Data_Engineering_Project

The following screenshots illustrate the steps involved in creating a Data Pipeline in Microsoft Azure Data Factory to extract data from an external source and load it into a destination.

Step 1: Create a Dataset

Step 2: Create a Pipeline

Step 3: Configure Pipeline Activities

Step 4: Set Properties for Extract Activity

Step 5: Configure Pipeline Expression Builder

Step 6: Create a New Parameter

Step 7: Set Properties for Copy Activity

Step 8: Set Properties for Sink Activity

Step 9: Set Properties for Copy Activity

Step 10: Set Properties for Sink Activity

Step 11: Set Properties for Copy Activity

Step 12: Set Properties for Sink Activity

Step 13: Set Properties for Copy Activity

Step 14: Set Properties for Sink Activity

Step 15: Set Properties for Copy Activity

Step 16: Set Properties for Sink Activity

Step 17: Set Properties for Copy Activity

Step 18: Set Properties for Sink Activity

Step 19: Set Properties for Copy Activity

Step 20: Set Properties for Sink Activity

Step 21: Set Properties for Copy Activity

Step 22: Set Properties for Sink Activity

Step 23: Set Properties for Copy Activity

Step 24: Set Properties for Sink Activity

Step 25: Set Properties for Copy Activity

Step 26: Set Properties for Sink Activity

Step 27: Set Properties for Copy Activity

Step 28: Set Properties for Sink Activity

Step 29: Set Properties for Copy Activity

Step 30: Set Properties for Sink Activity

Step 31: Set Properties for Copy Activity

Step 32: Set Properties for Sink Activity

Step 33: Set Properties for Copy Activity

Step 34: Set Properties for Sink Activity

Step 35: Set Properties for Copy Activity

Step 36: Set Properties for Sink Activity

Step 37: Set Properties for Copy Activity

Step 38: Set Properties for Sink Activity

Step 39: Set Properties for Copy Activity

Step 40: Set Properties for Sink Activity

Step 41: Set Properties for Copy Activity

Step 42: Set Properties for Sink Activity

Step 43: Set Properties for Copy Activity

Step 44: Set Properties for Sink Activity

Step 45: Set Properties for Copy Activity

Step 46: Set Properties for Sink Activity

Step 47: Set Properties for Copy Activity

Step 48: Set Properties for Sink Activity

Step 49: Set Properties for Copy Activity

Step 50: Set Properties for Sink Activity

Step 51: Set Properties for Copy Activity

Step 52: Set Properties for Sink Activity

Step 53: Set Properties for Copy Activity

Step 54: Set Properties for Sink Activity

Step 55: Set Properties for Copy Activity

Step 56: Set Properties for Sink Activity

Step 57: Set Properties for Copy Activity

Step 58: Set Properties for Sink Activity

Step 59: Set Properties for Copy Activity

Step 60: Set Properties for Sink Activity

Step 61: Set Properties for Copy Activity

Step 62: Set Properties for Sink Activity

Step 63: Set Properties for Copy Activity

Step 64: Set Properties for Sink Activity

Step 65: Set Properties for Copy Activity

Step 66: Set Properties for Sink Activity

Step 67: Set Properties for Copy Activity

Step 68: Set Properties for Sink Activity

Step 69: Set Properties for Copy Activity

Step 70: Set Properties for Sink Activity

Step 71: Set Properties for Copy Activity

Step 72: Set Properties for Sink Activity

Step 73: Set Properties for Copy Activity

Step 74: Set Properties for Sink Activity

Step 75: Set Properties for Copy Activity

Step 76: Set Properties for Sink Activity

Step 77: Set Properties for Copy Activity

Step 78: Set Properties for Sink Activity

Step 79: Set Properties for Copy Activity

Step 80: Set Properties for Sink Activity

Step 81: Set Properties for Copy Activity

Step 82: Set Properties for Sink Activity

Step 83: Set Properties for Copy Activity

Step 84: Set Properties for Sink Activity

Step 85: Set Properties for Copy Activity

Step 86: Set Properties for Sink Activity

Step 87: Set Properties for Copy Activity

Step 88: Set Properties for Sink Activity

Step 89: Set Properties for Copy Activity

Step 90: Set Properties for Sink Activity

Step 91: Set Properties for Copy Activity

Step 92: Set Properties for Sink Activity

Step 93: Set Properties for Copy Activity

Step 94: Set Properties for Sink Activity

Step 95: Set Properties for Copy Activity

Step 96: Set Properties for Sink Activity

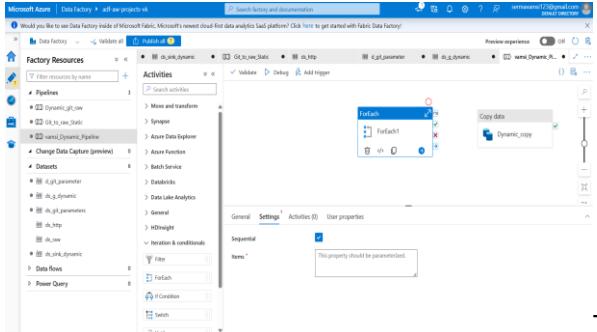
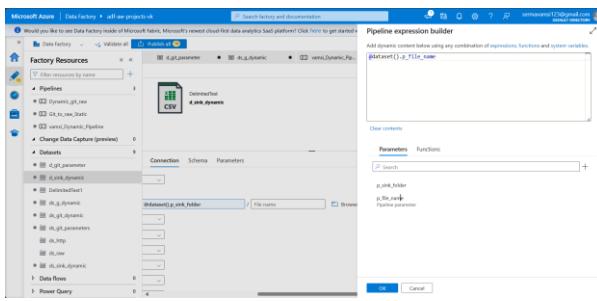
Step 97: Set Properties for Copy Activity

Step 98: Set Properties for Sink Activity

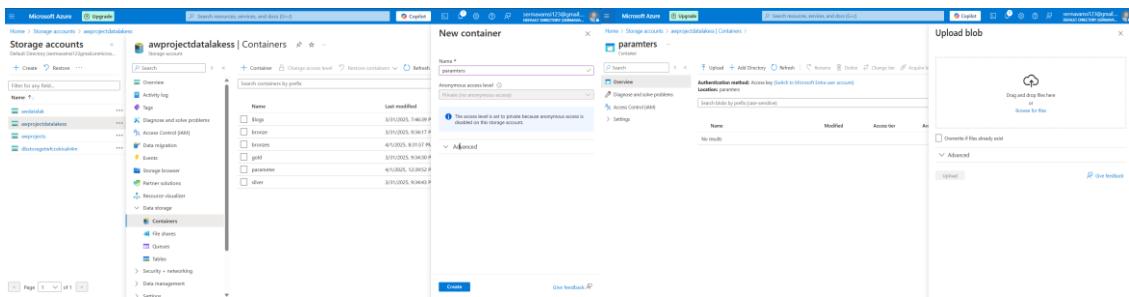
Step 99: Set Properties for Copy Activity

Step 100: Set Properties for Sink Activity

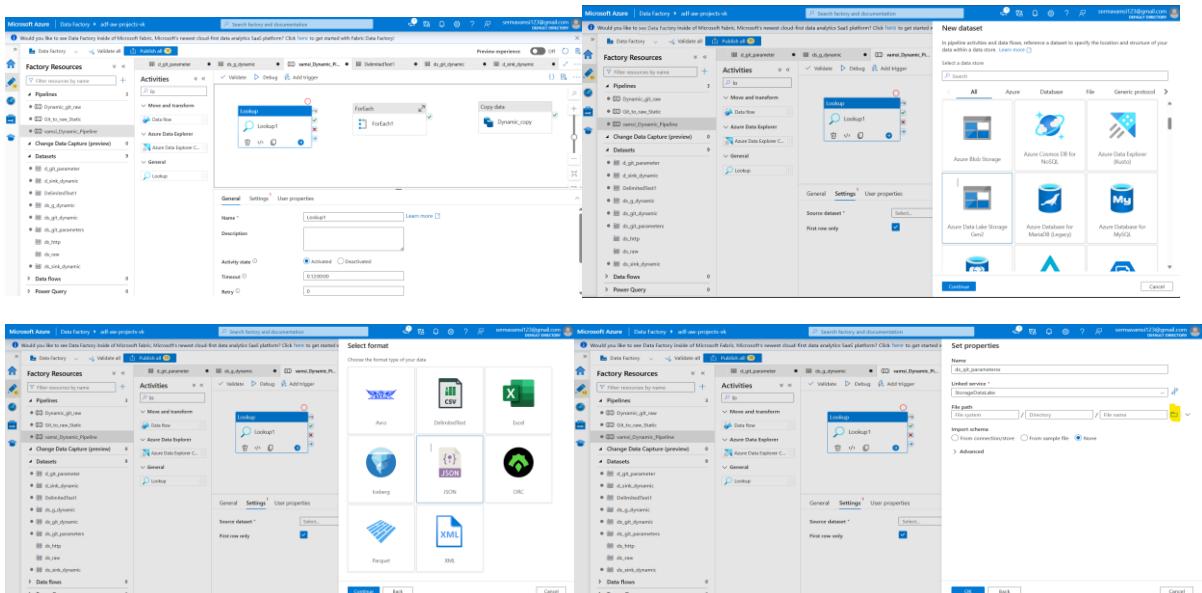
Adventure_Works_Data Engineering_Project



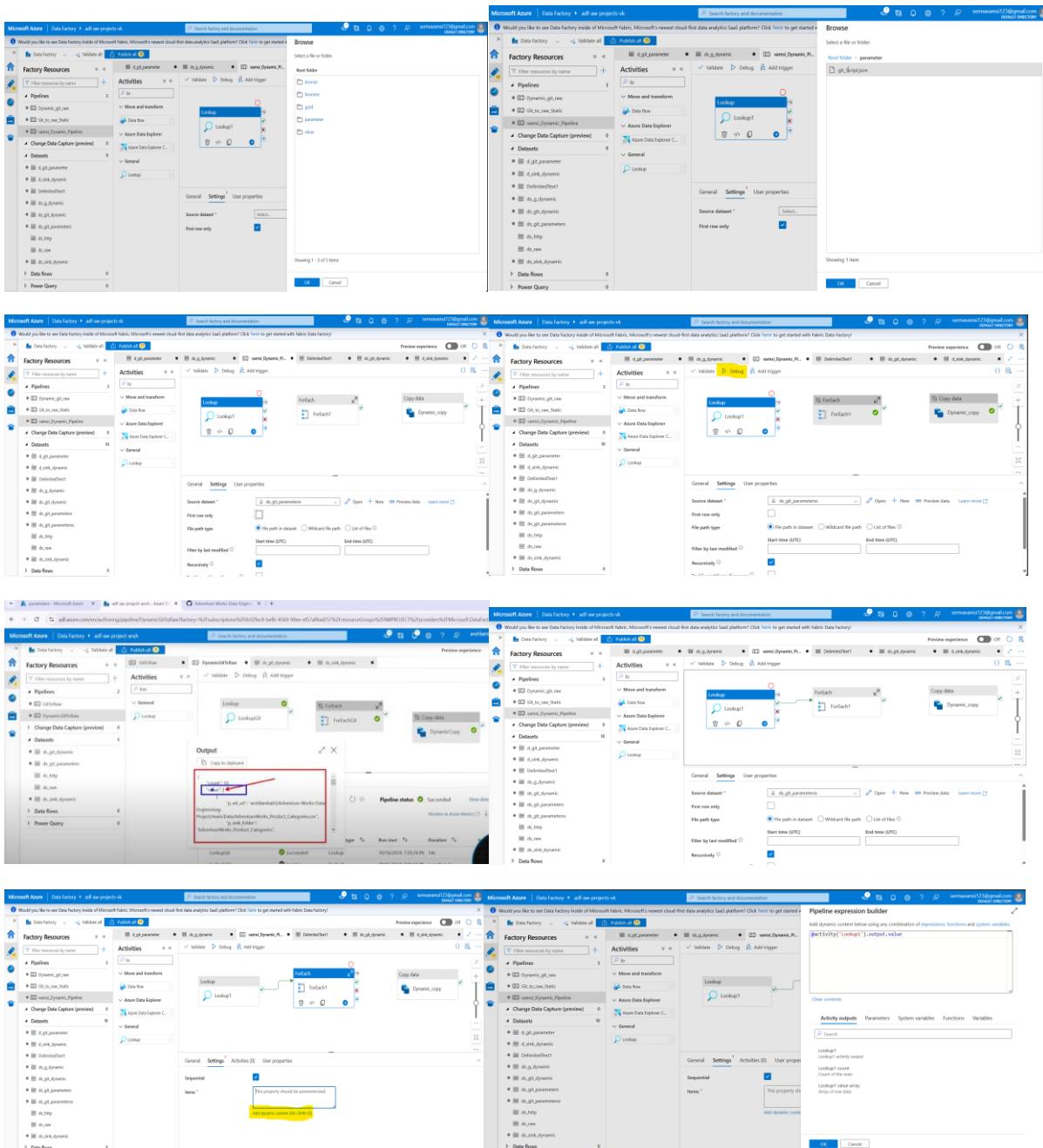
Then You can create a JSON file



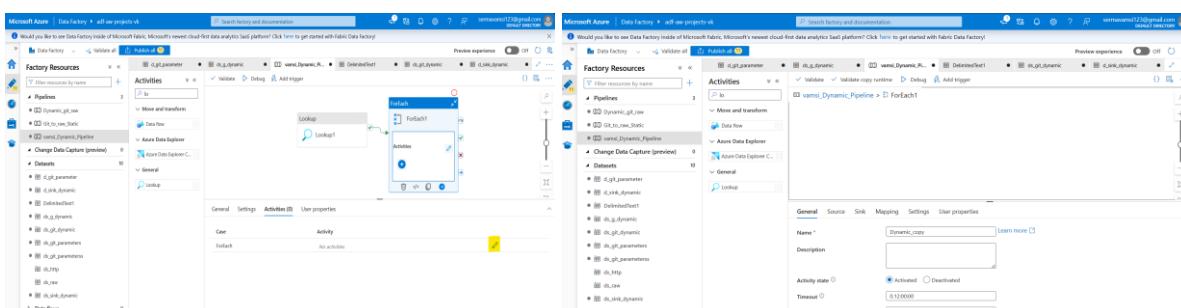
Here you can upload your json file.



Adventure_Works_Data_Engineering_Project



Click on Ctrl+x on the Dynamic _copy



click on Ctrl+v

Adventure_Works_Data_Engineering_Project

The screenshots show the Azure Data Factory interface for creating a dynamic pipeline named 'varni_Dynamic_Pipeline'. The pipeline consists of several activities:

- Copy Data:** Copies data from a source dataset ('ds_pt_dynamic') to a sink dataset ('ds_pt_dynamic'). The source dataset has a value of 'varni_pt_dynamic'.
- ForEach:** Iterates over a dataset ('ds_pt_dynamic'). The dataset properties are set to 'varni_pt_dynamic'. The activity outputs 'varni_pt_dynamic'.
- Lookup:** Looks up data in a dataset ('ds_pt_dynamic'). The dataset properties are set to 'varni_pt_dynamic'. The activity outputs 'varni_pt_dynamic'.
- Activities:** Contains a sequence of activities: 'Lookup1', 'ForEach1', and 'Dynamic_copy'.

The pipeline expression builder is used to define expressions for the 'Source dataset' and 'Sink dataset' fields. The 'Source dataset' expression is '\$\$varni_pt_dynamic'. The 'Sink dataset' expression is 'p_link_folder'.

Then you can debug execute and check the silver layer.
go to >> Storage account >> AWprojectDatalakess >> bronze layer >> Check. Got the file in bronze layer.

Adventure_Works_Data Engineering_Project

Step:3:

Got Azure>> Click the create a resource >> search for the data bricks>> create button>>

The screenshot displays the Microsoft Azure portal interface for creating and managing an Azure Databricks workspace. It includes five main sections:

- Create an Azure Databricks workspace - Project Details:** Shows basic configuration like Subscriptions (Free Trial), Resource group (AWPROJECT), and Workspace name (ads_aw_project).
- Create an Azure Databricks workspace - Networking:** Shows options for Deploy Azure Databricks workspace with your Virtual Network (Yes) and Deploy Azure Databricks workspace in your own Virtual Network (No).
- AWPROJECT_ads_aw_project | Overview:** Shows the workspace overview with deployment status "Deployment is in progress".
- AWPROJECT_ads_aw_project | Overview:** Shows the workspace overview with deployment status "Your deployment is complete".
- ads_aw_project | Compute:** Shows the Compute section where a new cluster "Praveen Kumar's Cluster" is being created with 2.4 Workers, 1 Driver, and 14 GB Memory + 4 Cores.

Then you need to create >> Microsoft Entra ID >>App Registration >>



Adventure_Works_Data_Engineering_Project

Microsoft Azure Default Directory | App registrations

Starting June 20th, 2023 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure Active Directory Graph. We will continue to provide technical support and security updates but we no longer provide feature updates. Applications will need to be migrated to Microsoft Authentication Library (MSAL) and Microsoft Graph.

All applications Current applications Deleted applications Applications from personal account

Display name: Aw_project_application

Application (client) ID: 91c91f6d-505c-43fe-be1e-a8cf705539 Created on: 7/6/2023 Certificates & secrets

Supported account type: Accounts in this organizational directory only (Default Directory only - Single tenant)

Redirect URI (optional):

By processing, you agree to the Microsoft Platform Terms of Use.

Register

Microsoft Azure Default Directory | App registrations | Aw_Project

Overview Details Certificates & secrets

Get started Documentation

Build your application with the Microsoft identity platform

Microsoft Azure Default Directory | App registrations | Aw_Project | Certificates & secrets

Certificates & secrets

Client credentials Add a certificate or secret

Value: aw_project Expires: 9/5/2023 Secret ID: 8a00c4ab511aefc9-090b-4406-b65b-20170508d416

New client secret

Microsoft Azure Default Directory | Storage accounts | awprojects | Access Control (IAM)

Storage accounts

Storage accounts Storage blob Data Contributor

Name: awprojects

Check access Role assignments Rules Deny assignments Classic administration

My roles

Check access

Grant access to this resource

View access to this resource

Add role assignment

View deny assignments

Next Permissions Management

Microsoft Azure Default Directory | Storage accounts | awprojects | Access Control (IAM) | Add role assignment

Add role assignment

Role: Storage Blob Data Contributor

Members: aw_project

Selected members: aw_project

Select members

Review + assign Previous Next

Microsoft Azure Default Directory | Storage accounts | awprojects | Access Control (IAM) | Add role assignment

Add role assignment

Role: Storage Blob Data Contributor

Scope: /subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/awprojects/providers/Microsoft.Storage/storageAccounts/awprojects

Members: aw_project

Description: No description

Condition: None

Review + assign Previous Next

Microsoft Azure Default Directory | Storage accounts | awprojects | Overview

Overview

Status: Active

Resource group: AWPROJECT

Location: East US

Subscription: Free Trial

Managed Resource Group: Managed_AWS_ami_protection

URL: https://aws.amazon.com/ec2/ami/protectedami/

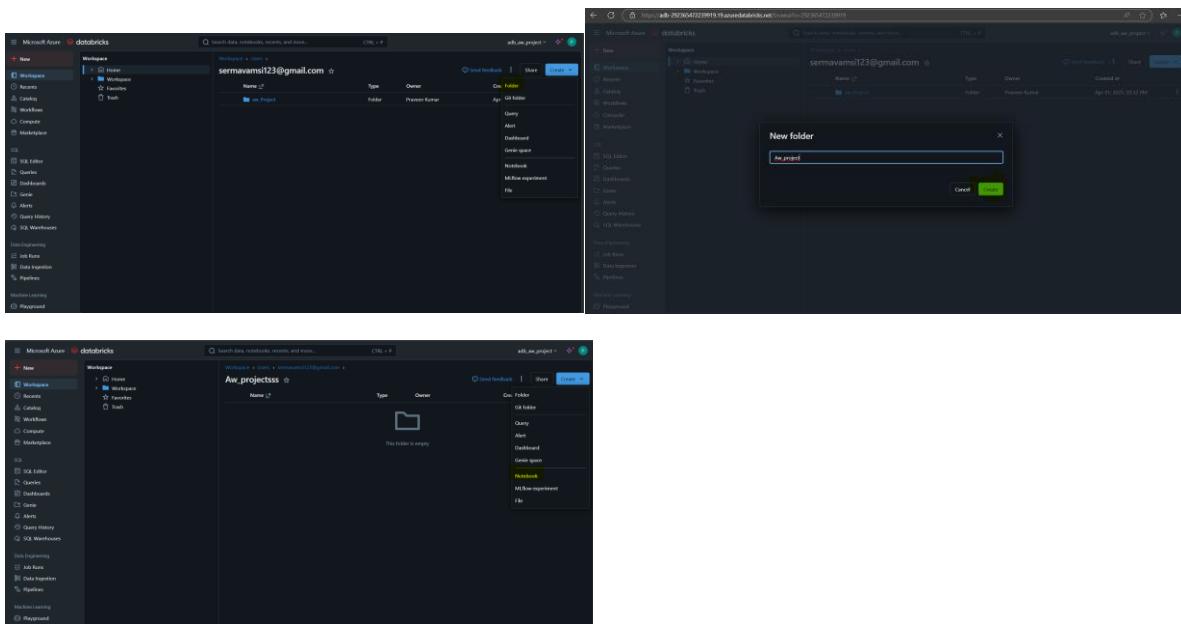
Pricing Tier: Standard (Apache Spark, Ingest with Microsoft Data Lake)

Tags: All tags

Launch Workbooks

Documentation Get Started Insert Data from File Insert Data from Azure Storage

Adventure_Works_Data Engineering_Project



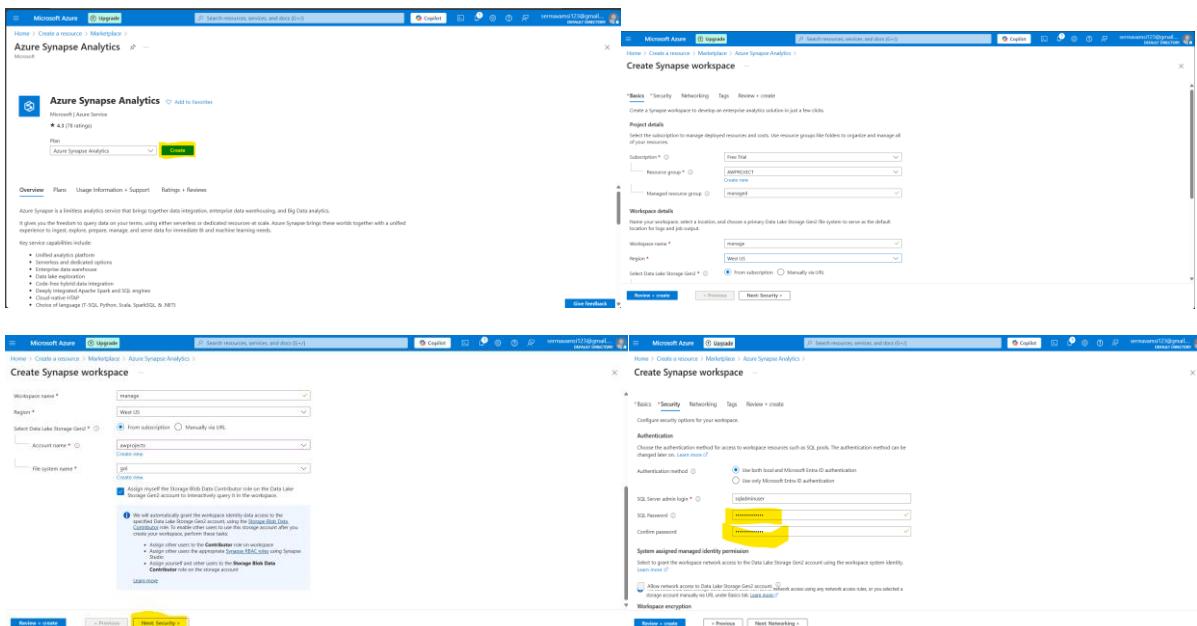
Create a note book and create a script and execute then do that transformations and that transformation files execute shifted to the silver layer.

Ref link: <https://learn.microsoft.com/en-us/azure/databricks/connect/storage/azure-storage#azureserviceprincipal>

Once can see the this files are loaded in silver layer.once check.

Step: 4:

Go to Azure portal >> Create A resource >> Search Synapse analytics>> once you got click on that one create button>>



Adventure_Works_Data_Engineering_Project

Create Synapse workspace

Deployment details

Deployment status

Microsoft Azure Synapse Analytics - Overview

AWPROJECT | Access Control (IAM)

Add role assignment

Select managed identities

Add role assignment

Microsoft Azure | Synapse Analytics - Overview

Data

Workspaces

SQL databases

Create SQL database

Microsoft Azure | Synapse Analytics - Manage

Data

Workspaces

SQL databases

Adventure_Works_Data_Engineering_Project

Microsoft Azure | Storage

awdatalak | Access Control (IAM)

Add role assignment

Role Members Conditions Review + assign

Selected role: Storage Blob Data Contributor

Assign access to: User group or service principal

Members:

- Deeksha (Deekshaheman@gmail.com)
- Deeksha (Deekshaheman@outlook.com)
- Kishore (Kishorekumar1993@gmail.com)
- Rakesh (Rakesh123@gmail.com)
- Rakesh (Rakesh123@gmail.com)@outlook.com

Selected members: Rakesh (Rakesh123@gmail.com)@outlook.com

Add role assignment

Role Members Conditions Review + assign

Selected role: Storage Blob Data Contributor

Condition: None

Review + assign Previous Next

Microsoft Azure | Storage

Home > APPIPROJECT - available | Access Control (IAM) > Add role assignment

Select members

Search for names or email addresses:

- Deeksha (Deekshaheman@gmail.com)
- Deeksha (Deekshaheman@outlook.com)
- Kishore (Kishorekumar1993@gmail.com)
- Rakesh (Rakesh123@gmail.com)
- Rakesh (Rakesh123@gmail.com)@outlook.com

Selected members: Rakesh (Rakesh123@gmail.com)@outlook.com

Add role assignment

Role Members Conditions Review + assign

Selected role: Storage Blob Data Contributor

Condition: None

Review + assign Previous Next

Microsoft Azure | Storage

Storage accounts awprojdatalekss

Containers

silver

Overview

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

Location: silver (AdventureWorks_Calander)

Search table by profile (case sensitive):

Name	Modified	Anonymus access level	Last state	Access Control (IAM)
blob	3/1/2025, 7:46:29 PM	Private	Available	...
blob	4/1/2025, 9:43:57 PM	Private	Available	...
blob	3/1/2025, 9:43:57 PM	Private	Available	...
blob	4/1/2025, 12:38:52 PM	Private	Available	...
blob	3/1/2025, 9:43:57 PM	Private	Available	...

Properties

General

Related (0)

Name: silver

Description:

Type: Storage

Size: 4.71 GB

Access tier: Hot (inferred)

Access tier last modified: N/A

Retention policy: None

Rehydrate priority: Standard

Server encrypted: Yes

Last modified: 4/2/2025, 4:42:17 PM

Creation time: 4/2/2025, 4:42:17 PM

Version ID: 4/2/2025, 4:42:17 PM

Access level: Private

Access control (IAM): Enabled

Encryption: Enabled

Encryption type: Server-side encryption with AES-256

Encryption key: Shared access signature

Cache control: public

Content type: application/octet-stream

Content encoding: gzip

AdventureWorks_Calendar/part-00000-tid-8738576227281743254-f2b5de...

Overview

Properties

General

Related (0)

Name: silver

Description:

Type: blob

Size: 4.71 GB

Access tier: Hot (inferred)

Access tier last modified: N/A

Retention policy: None

Rehydrate priority: Standard

Server encrypted: Yes

Last modified: 4/2/2025, 4:42:17 PM

Creation time: 4/2/2025, 4:42:17 PM

Version ID: 4/2/2025, 4:42:17 PM

Access level: Private

Access control (IAM): Enabled

Encryption: Enabled

Encryption type: Server-side encryption with AES-256

Encryption key: Shared access signature

Cache control: public

Content type: application/octet-stream

Content encoding: gzip

Syntex Analytics | Manage

Develop

SQL scripts

SQL script 1

Properties

General

Related (0)

Name: SQL script 1

Description:

Type: ad script

Size: 0 B

Results settings per query: First 5000 rows (default)

Run all

Results

Messages

View

Search

Date

Month

Year

2015-01-01

2015-01-02

2015-01-03

Query executed successfully.

Microsoft Azure | Synapse Analytics | Manage

Develop

SQL scripts

SQL script 1

Properties

General

Related (0)

Name: SQL script 1

Description:

Type: ad script

Size: 0 B

Results settings per query: First 5000 rows (default)

Run all

Results

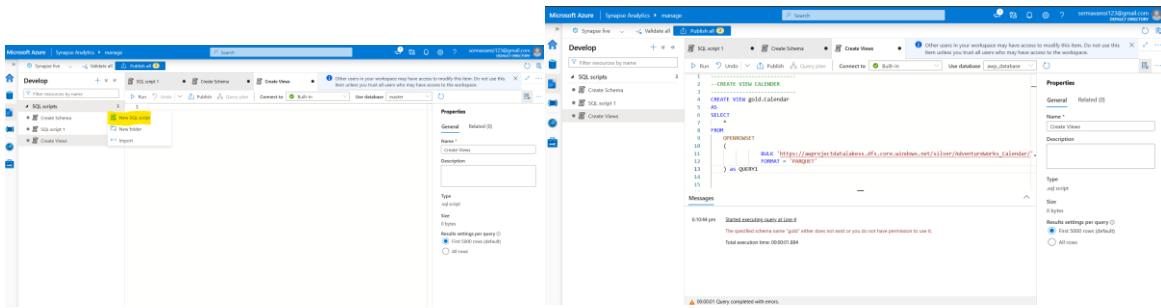
Messages

No results to show.

Your query produced no duplicate result.

Query executed successfully.

Adventure_Works_Data Engineering_Project



Ref Script:

--CREATE VIEW CALENDAR

CREATE VIEW gold.Calendar

AS

SELECT

*

FROM

OPENROWSET

(

BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_Calendar/',

FORMAT = 'PARQUET'

) as QUERY1

--CREATE VIEW CUSTOMERS

CREATE VIEW gold.customers

AS

SELECT

*

FROM

OPENROWSET

(

BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_Customers/',

FORMAT = 'PARQUET'

) as QUER1

--CREATE VIEW PRODUCTS

CREATE VIEW gold.products

AS

Adventure_Works_Data Engineering_Project

```
SELECT
*
FROM
OPENROWSET
(
    BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_products/',
    FORMAT = 'PARQUET'
) as QUER1
```

```
-----  
--CREATE VIEW RETURNS
```

```
-----  
CREATE VIEW gold>Returns  
AS  
SELECT
*
FROM
OPENROWSET
(
    BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_Returns/',
    FORMAT = 'PARQUET'
) as QUER1
```

```
-----  
--CREATE VIEW Sales
```

```
-----  
CREATE VIEW gold>Sales  
AS  
SELECT
*
FROM
OPENROWSET
(
    BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_Sales/',
    FORMAT = 'PARQUET'
) as QUER1
```

```
-----  
--CREATE VIEW Subcategories
```

```
-----  
CREATE VIEW gold>Subcategories  
AS
```

Adventure_Works_Data Engineering_Project

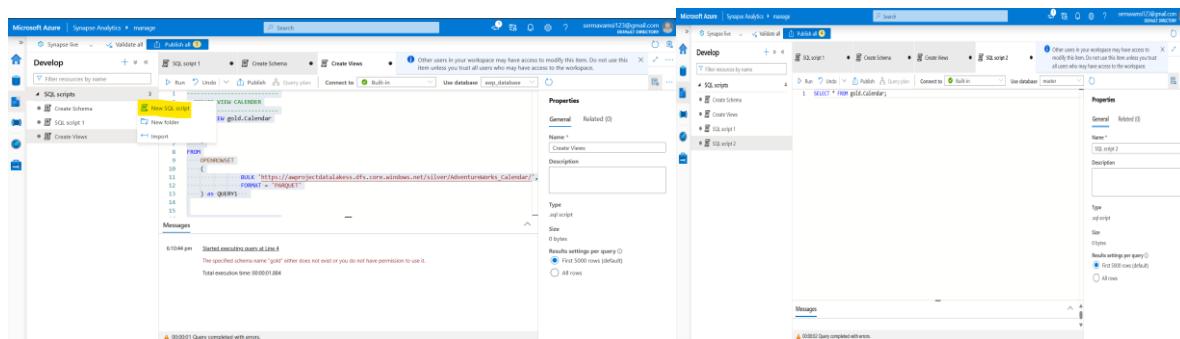
```
SELECT
*
FROM
OPENROWSET
(
    BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_Subcategories/',
    FORMAT = 'PARQUET'
) as QUER1
```

--CREATE VIEW Territories

```
CREATE VIEW gold.Territories
AS
SELECT
*
FROM
OPENROWSET
(
    BULK 'https://awprojectdatalakess.dfs.core.windows.net/silver/AdventureWorks_Territories/',
    FORMAT = 'PARQUET'
) as QUER1
```

Execute separately :

After Execution:

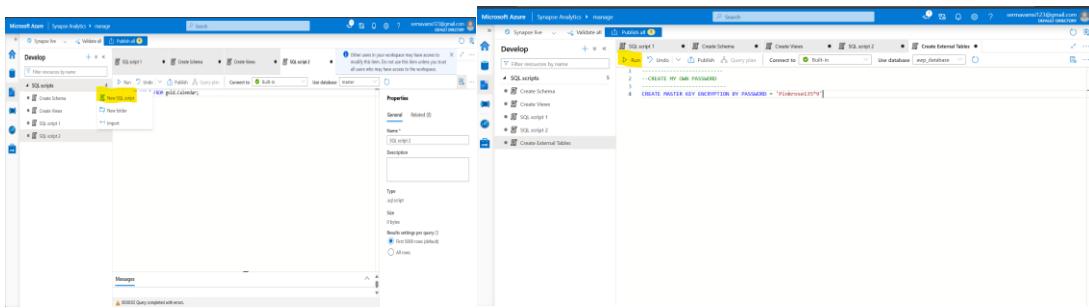


Check the Each and Every thing all the tables:

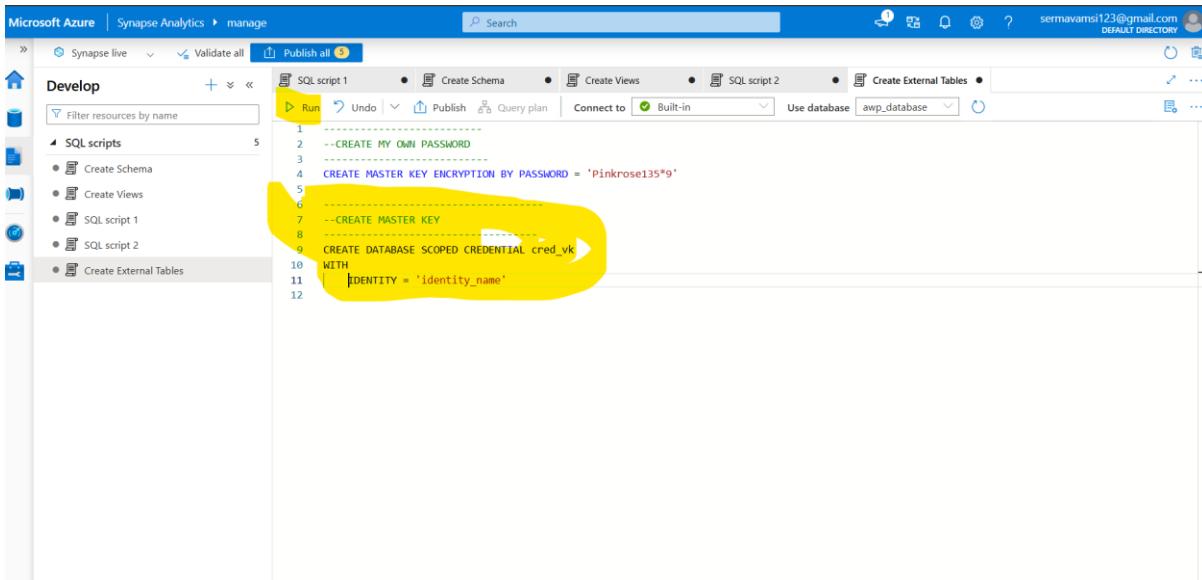
CREATE EXTERNAL TABLES: Prerequisites:

CREDENTIALS, EXTERNAL DATA SOURCE, EXTERNAL FILE FORMAT

Adventure_Works_Data Engineering_Project

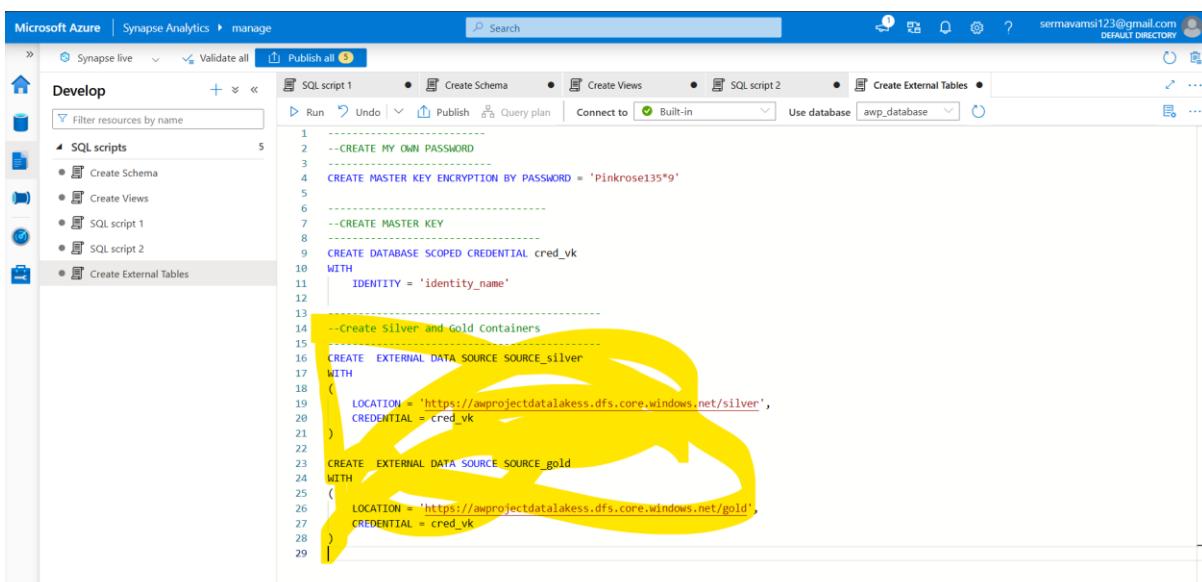


Ref:<https://learn.microsoft.com/en-us/sql/t-sql/statements/create-master-key-transact-sql?view=sql-server-ver16>



Ref: <https://learn.microsoft.com/en-us/sql/t-sql/statements/create-database-scoped-credential-transact-sql?view=sql-server-ver16>

Simply execute separately silver and gold containers



Adventure_Works_Data Engineering_Project

```

Microsoft Azure | Synapse Analytics > manage
Develop
SQL script 1
22 CREATE EXTERNAL DATA SOURCE SOURCE_gold
23 WITH
24 (
25     LOCATION = 'https://awpprojectdatalakes.dfs.core.windows.net/gold',
26     CREDENTIAL = cred_vk
27 )
28
29
30
31
32
33
34 --CREATE EXTERNAL FILE FORMAT
35
36 CREATE EXTERNAL FILE FORMAT format_parquet
37 WITH
38 (
39     FORMAT_TYPE = PARQUET,
40     DATA_COMPRESSION = 'org.apache.hadoop.io.compress.SnappyCodec'
41 )
42
43
44
45
46
47
48
49
50
51
52

```



CETAS: “CREATE EXTERNAL TABLE AS SELECT”

```

Microsoft Azure | Synapse Analytics > manage
Develop
SQL script 1
33
34 --CREATE EXTERNAL FILE FORMAT
35
36 CREATE EXTERNAL FILE FORMAT format_parquet
37 WITH
38 (
39     FORMAT_TYPE = PARQUET,
40     DATA_COMPRESSION = 'org.apache.hadoop.io.compress.SnappyCodec'
41 )
42
43
44
45 --Create External Table EXT_SALES
46
47 CREATE EXTERNAL TABLE gold.ext_sales
48 WITH
49 (
50     LOCATION = 'ext_sales',
51     DATA_SOURCE = SOURCE_gold,
52     FILE_FORMAT = format_parquet
53 )
54 AS
55     SELECT * FROM gold.sales
56
57
58
59
60
61
62
63

```

```

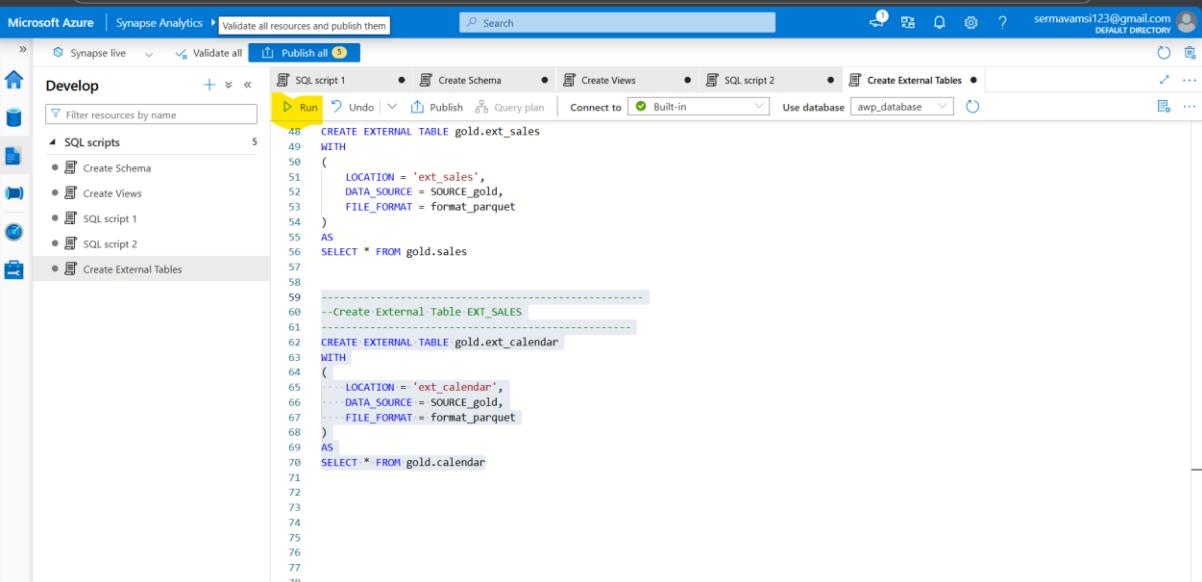
Microsoft Azure | Synapse Analytics > manage
Develop
SQL script 1
1 SELECT * FROM gold.sales;

```

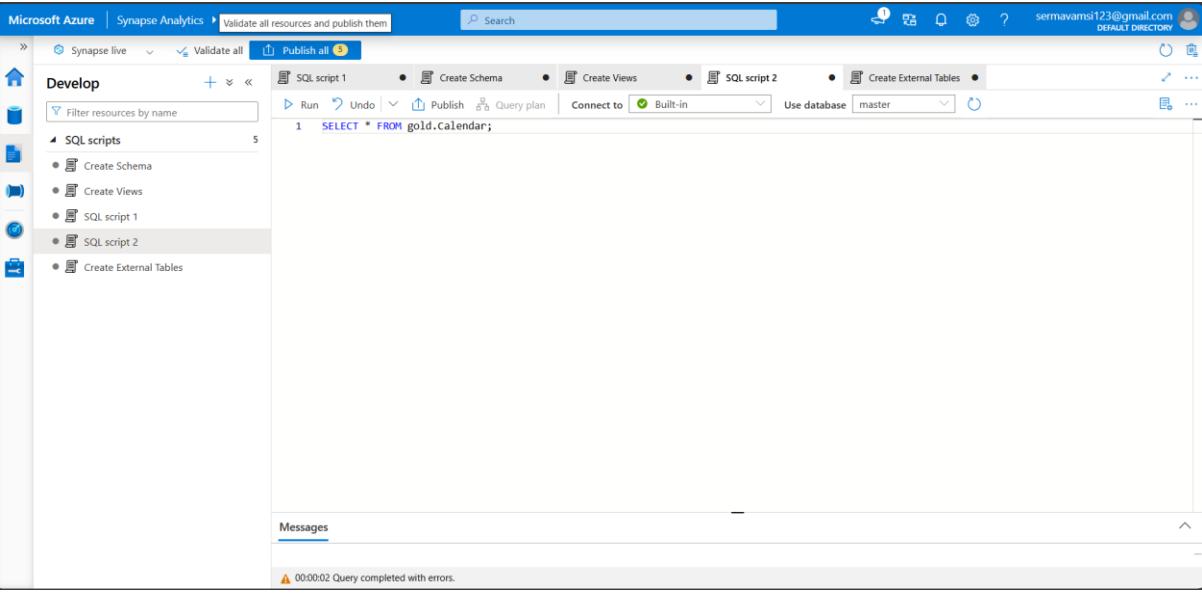
Messages

00:00:02 Query completed with errors.

Adventure_Works_Data Engineering_Project



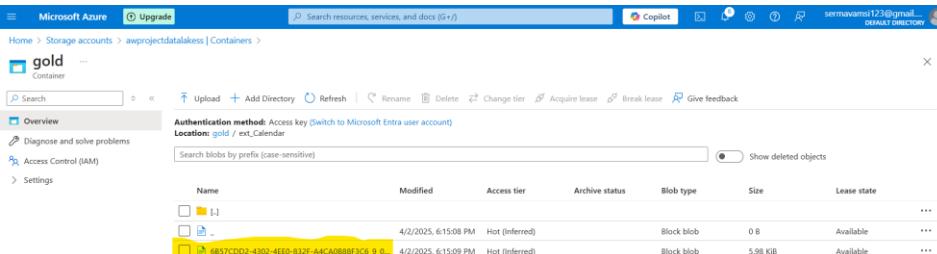
```
48 CREATE EXTERNAL TABLE gold.ext_sales
49   WITH (
50     LOCATION = 'ext_sales',
51     DATA_SOURCE = SOURCE_gold,
52     FILE_FORMAT = format_parquet
53   )
54 AS
55   SELECT * FROM gold.sales
56
57
58
59 --Create External Table EXT_SALES
60
61 CREATE EXTERNAL TABLE gold.ext_calendar
62   WITH (
63   ...
64   ...
65   ...
66   ...
67   ...
68   )
69 AS
70   SELECT * FROM gold.calendar
71
72
73
74
75
76
77
78
```



```
1 SELECT * FROM gold.Calendar;
```

You can see the gold layer you files are there or not

Go to Azure portal >> storage account >> AWSproject data lakess>> Data storage >> containers >> click the gold >> check files >> open calendar file



The screenshot shows the Azure Storage Explorer interface for a container named 'gold'. The container contains two blob items:

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
4857CD02-1302-4E10-812F-A4CA0888F3C5_9...	4/2/2025, 6:15:08 PM	Hot (Inferred)		Block blob	0 B	Available
4857CD02-1302-4E10-812F-A4CA0888F3C5_9...	4/2/2025, 6:15:09 PM	Hot (Inferred)		Block blob	5.98 KB	Available

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Then you can load this external table end point to PBI Report tool:

Go to Azure Portal >> Synapse Workspace >> Able see the details

The screenshot shows two windows side-by-side. The top window is the 'Synapse workspace' overview in the Azure portal. It displays various configuration details such as Resource group (AWPROJECT), Status (Succeeded), Location (West US), Subscription (Free Trial), and networking information. The bottom window is a 'Get Data' dialog box from Microsoft Power BI. It shows a list of data sources under the 'Azure' category, including Azure Synapse Analytics SQL, Azure Analysis Services database, Azure Database for PostgreSQL, and others. The 'Connect' button is visible at the bottom of the dialog.

Sign in with current Microsoft account

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The screenshot shows the Power BI desktop interface with the following details:

- File**, **Home**, **Insert**, **Modeling**, **View**, **Optimize**, **Help**, **Format**, **Data / Drill**, **Table tools**, **Measure tools** (selected).
- Name**: Bachelor
- Home table**: gold_ext_Customers
- Structure**: Shows a single measure: `1 Bachelor = CALCULATE(COUNT('gold_ext_Customers'[EducationLevel]), 'gold_ext_Customers'[EducationLevel] = "Bachelors")`.
- Formatting**: Set to Whole number.
- Properties**: Shows a value of 5261 under the **Bachelor** key.
- Calculations**: Options for New, Quick measure, and measure.
- Visualizations**: A list of visualization icons.
- Data**: A tree view of the data model:
 - gold_ext_Customers
 - AnnualIncome
 - BirthDate
 - CustomerKey
 - EducationLevel
 - EmailAddress
 - FirstName
 - Gender
 - HomeOwner
 - LastName
 - MaritalStatus
 - Occupation
 - Prefix
 - TotalChildren
- Filters**:
 - Filters on this visual: Bachelor is (All)
 - Filters on this page: Add data fields here
 - Filters on all pages: Add data fields here
- Fields**: Shows Bachelor.
- Drill through**: Cross-report is turned on.
- Keep all filters**: Turned on.
- Add drill-through fields here**: Option to add fields.
- Page**: Page 1 of 1.
- Zoom**: 73%.
- Update available (click to download)**: A message at the bottom right.