-- Create master key in databases with some password (one-off per database)

CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'Y\*\*\*\*\*\*\*\*\*0'

GO

-- Create databases scoped credential that use Managed Identity, SAS token or Service Principal. User needs to create only database-scoped credentials that should be used to access data source:

CREATE DATABASE SCOPED CREDENTIAL WorkspaceIdentity

WITH IDENTITY = 'Managed Identity'

GO

CREATE DATABASE SCOPED CREDENTIAL SasCredential

WITH IDENTITY = 'SHARED ACCESS SIGNATURE', SECRET = 'sv=2019-10-1\*\*\*\*\*\*\*\*ZVsTOL0ltEGhf54N8KhDCRfLRI%3D'

GO

CREATE DATABASE SCOPED CREDENTIAL SPNCredential WITH

IDENTITY = '\*\*44e\*\*\*\*\*8f6-ag44-1890-34u4-22r23r771098@https://login.microsoftonline.com/\*\*do99dd-87f3-33da-33gf-3d3rh133ee33/oauth2/token'

, SECRET = '.7OaaU\_454azar9WWzLL.Ea9ePPZWzQee~'

GO

-- Create data source that one of the credentials above, external file format, and external tables that reference this data source and file format:

CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat] WITH ( FORMAT\_TYPE = PARQUET)

GO

CREATE EXTERNAL DATA SOURCE mysample

WITH ( LOCATION = 'https://<storage\_account>.dfs.core.windows.net/<container>/<path>'

-- Uncomment one of these options depending on authentication method that you want to use to access data source:

--,CREDENTIAL = WorkspaceIdentity

--,CREDENTIAL = SasCredential

--,CREDENTIAL = SPNCredential

)

CREATE EXTERNAL TABLE dbo.userData ( [id] int, [first\_name] varchar(8000), [last\_name] varchar(8000) )

WITH ( LOCATION = 'parquet/user-data/\*.parquet',

DATA\_SOURCE = [mysample],

FILE\_FORMAT = [SynapseParquetFormat] );