**Loading Data from Azure to Snowflake**

Snowflake supports data loading from Azure Blob Storage using external stages and the COPY INTO command. We can also automate continuous data ingestion using Snowpipe with Azure Event Grid. In one of my projects, I created an external stage linked to Azure Blob, defined file formats for CSV and Parquet files, and then loaded the data into Snowflake tables using COPY INTO. For near real-time requirements, I used Snowpipe so that files arriving in Blob were automatically loaded into Snowflake without manual intervention.”

create or replace storage integration int\_azure\_s3

type = external\_stage

storage\_provider = Azure

enabled = true

azure\_tenant\_id = '7f4dd382-66b2-4a0d-85ee-7af109c7cd1d'

storage\_allowed\_locations = ('azure://snowazureintg11.blob.core.windows.net/snowflakeazurepracticefiles')

comment = 'This is the integration object for loading the files from Azure to Snowflake' ;

desc integration int\_azure\_s3;

create or replace file format file\_format\_azure\_csv

type = csv

skip\_header = 1

compression=none;

create or replace stage ext\_stage\_ld

url = 'azure://snowazureintg11.blob.core.windows.net/snowflakeazurepracticefiles'

storage\_integration = int\_azure\_s3

file\_format = file\_format\_azure\_csv ;

list @ext\_stage\_ld;

create or replace TABLE PROMOTIONS

( P\_PROMO\_SK NUMBER(38,0), P\_PROMO\_ID VARCHAR(16), P\_START\_DATE\_SK NUMBER(38,0), P\_END\_DATE\_SK NUMBER(38,0),

P\_ITEM\_SK NUMBER(38,0), P\_COST NUMBER(15,2), P\_RESPONSE\_TARGET NUMBER(38,0), P\_PROMO\_NAME VARCHAR(50),

P\_CHANNEL\_DMAIL VARCHAR(1), P\_CHANNEL\_EMAIL VARCHAR(1), P\_CHANNEL\_CATALOG VARCHAR(1), P\_CHANNEL\_TV VARCHAR(1),

P\_CHANNEL\_RADIO VARCHAR(1), P\_CHANNEL\_PRESS VARCHAR(1), P\_CHANNEL\_EVENT VARCHAR(1), P\_CHANNEL\_DEMO VARCHAR(1),

P\_CHANNEL\_DETAILS VARCHAR(100), P\_PURPOSE VARCHAR(15), P\_DISCOUNT\_ACTIVE VARCHAR(1)

);

select \* from promotions;

COPY INTO promotions

from @ext\_stage\_ld;