**-- Data Unloading -> from snowflake to AWS S3**

“In Snowflake, unloading means exporting data to external cloud storage like AWS S3. We create an external stage pointing to S3 and then use the COPY INTO command to export data in formats like CSV, JSON, or Parquet. I have used this in my projects to offload processed data into S3 for downstream analytics, reporting, or archival. We can also monitor unload activity using COPY\_HISTORY.”

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create table web\_pages as select \* from SNOWFLAKE\_SAMPLE\_DATA.TPCDS\_SF100TCL.WEB\_PAGE ;

-- Check the data in the table

select \* from web\_pages ;

-- create external stage

create or replace stage ext\_stage\_unld

url = 's3://snowflakes3datafiles/csvfiles/dataunload/'

storage\_integration = int\_aws\_s3

file\_format = file\_format\_csv ;

-- show stages

show stages ;

-- list

list @ext\_stage\_unld ;

-- Copy for unload

copy into @ext\_stage\_unld from web\_pages

single = true;

copy into @int\_stg from web\_pages

file\_format = (type = 'CSV' compression = none)

single = true;

list @int\_stg;

-- Check the data

select t.$1, t.$2, t.$3, t.$4 from @ext\_stage\_unld t ;

--

remove @ext\_stage\_unld ;

-- Check the file

-- cleanup

drop stage ext\_stage\_unld ;

drop table web\_pages ;

drop storage integration int\_aws\_s3 ;

drop file format file\_format\_csv ;