**Data Sharing**

Snowflake Data Sharing allows secure, real-time sharing of data between Snowflake accounts without copying. It can be done via Direct Shares, Reader Accounts, Data Marketplace, or Private Exchange. Tables, external tables, secure views, secure MV's and secure UDFs. Snowflake acheives the data sharing via shares. The data provider creates and give access on it to data consumers. In my projects, I used secure shares why because it gives business teams access to curated datasets, which reduced duplication and ensured consistent reporting.

grant usage on warehouse compute\_wh to public;

grant usage on database subhan to public;

grant usage on schema public to public;

create or replace storage integration int\_aws\_s3

type = external\_stage

storage\_provider = s3

enabled = true

storage\_aws\_role\_arn = 'arn:aws:iam::297473910120:role/snowflake-s3-full-access-role'

storage\_allowed\_locations = ('s3://snowflakes3datafiles1/csvfiles/dataload/')

comment = 'This is the integration object for loading the files from AWS S3 to Snowflake' ;

desc integration int\_aws\_s3;

create or replace file format file\_format\_csv compression=none;

create or replace stage ext\_stage\_ld

url = 's3://snowflakes3datafiles1/csvfiles/dataload/'

storage\_integration = int\_aws\_s3

file\_format = file\_format\_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;

select $1,$2,$3,$4 from @ext\_stage\_ld;

create or replace external table promotions\_ext

(P\_PROMO\_SK number as (value:c1::integer),

P\_PROMO\_ID text as (value:c2::text))

location= @ext\_stage\_ld

auto\_refresh = false

file\_format = (type=csv);

select metadata$filename, metadata$file\_row\_number, pet.\* from promotions\_ext pet;

select \* from promotions\_ext;

create or replace function get\_channel(promo\_sk number)

returns varchar

as

$$

select p\_channel\_details from promotions where p\_promo\_sk= promo\_sk

$$

;

select get\_channel(23);

create or replace share training\_share;

grant usage on database subhan to share training\_share;

grant usage on schema public to share training\_share;

grant select on table promotions to share training\_share;

grant select on table promotions\_ext to share training\_share;

grant usage on function get\_channel(number) to share training\_share;

grant usage on function get\_channel(number) to role public;

use role public;

desc function get\_channel(number);

alter function get\_channel(number) set secure;

grant usage on function get\_channel(number) to share training\_share;

show grants to share training\_share;

alter share training\_share add account=

create managed account account\_non\_snowflake

admin\_name = admin\_non\_snowflake

admin\_password= 'Admininstrator@123'

type= reader;

-- {"accountName":"ACCOUNT\_NON\_SNOWFLAKE","accountLocator":"HA17985","url":"https://lxgsylf-account\_non\_snowflake.snowflakecomputing.com","accountLocatorUrl":"https://ha17985.central-india.azure.snowflakecomputing.com"}

alter share training\_share

add account = HA17985

share\_restrictions= false;