create or replace database dvps;

use database dvps;

create schema dvpschema;

GRANT USAGE ON Database dvps TO ROLE SYSADMIN;

//creating integration b/w aws and anow flake

CREATE OR REPLACE STORAGE INTEGRATION dvps\_integration

TYPE = EXTERNAL\_STAGE

STORAGE\_PROVIDER = S3

ENABLED = TRUE

STORAGE\_AWS\_ROLE\_ARN ='arn:aws:iam::975362200552:role/snowconnect'

STORAGE\_ALLOWED\_LOCATIONS = ('s3://my-aws-s3-bucket-vdasari21/flights\_csv/');

desc integration dvps\_integration;

//this is a file format object

create or replace file format newformat

type = CSV

field\_delimiter = ','

skip\_header = 1 -- skip the first row

empty\_field\_as\_null = True;

//creating table

create or replace table flights\_data (

SLNO INT,

AIRLINE VARCHAR,

FLIGHT VARCHAR,

SOURCE\_CITY VARCHAR,

DEPT\_TIME VARCHAR,

STOPS VARCHAR,

ARRIVAL\_TIME VARCHAR,

DEST\_CITY VARCHAR,

CLASS VARCHAR,

DURATION FLOAT,

DAYS\_LEFT INT,

PRICE INT

);

//creating an internal stage

create stage flight\_stage

url = 's3://my-aws-s3-bucket-vdasari21/flights\_csv/'

storage\_integration = dvps\_integration

file\_format = newformat

//view the csv file present in stage

list @flight\_stage

//copying data from stage to raw table

COPY INTO flights\_data

FROM @flight\_stage

ON\_ERROR = 'skip\_file';

select count(\*) AS TOTAL from flights\_data;

//creating pipe and auto ingesting, copying data into the local table

CREATE OR REPLACE pipe flights\_pipe

auto\_ingest = TRUE

AS

COPY INTO flights\_data

FROM @flight\_stage;

//describe pipe

desc pipe flights\_pipe

Output for one file in S3:

111 records

Output after one more file uploaded in S3

Background pattern

Description automatically generated with medium confidence