



SNOWFLAKE AUTO DATA INGESTION FROM AZURE BLOB STORAGE SCRIPT

```
CREATE OR REPLACE DATABASE AZUREDATABASE;
```

```
USE AZUREDATABASE;
```

```
CREATE OR REPLACE TABLE TRANSACTION_RAW
```

```
(household_key INT,
```

```
BASKET_ID INT,
```

```
DAY INT,
```

```
PRODUCT_ID INT,
```

```
QUANTITY INT,
```

```
SALES_VALUE FLOAT,
```

```
STORE_ID INT,
```

```
RETAIL_DISC FLOAT,
```

```
TRANS_TIME INT,
```

```
WEEK_NO INT,
```

```
COUPON_DISC INT,
```

```
COUPON_MATCH_DISC INT);
```

```
create or replace file format RETAIL_TRNXS_CSV
```

```
type = 'csv'
```

```
compression = 'none'
```

```
field_delimiter = ','
```

```
field_optionally_enclosed_by = 'none'
```

```
skip_header = 1 ;
```

```
CREATE OR REPLACE NOTIFICATION INTEGRATION RETAIL_TXNS_INTEGRATION
```

```
ENABLED = TRUE
```

```
TYPE= QUEUE
```

```
NOTIFICATION_PROVIDER= AZURE_STORAGE_QUEUE
```

```
AZURE_STORAGE_QUEUE_PRIMARY_URI='https://retailfilestorage.queue.core.windows.net/retail-  
txn-queue'
```



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```
AZURE_TENANT_ID='5dd038be-6a95-4260-86c7-bc9a5ff764cc';
```

```
SHOW INTEGRATIONS;
```

```
DESC NOTIFICATION INTEGRATION RETAIL_TXNS_INTEGRATION;
```

```
---Primary blob service endpoint : https://snowflakesnowpipetesting.blob.core.windows.net/
```

```
----blob service sas url : https://snowflakesnowpipetesting.blob.core.windows.net/?sv=2022-11-02&ss=bfqt&srt=co&sp=rwdlacupytfx&se=2023-07-04T20:33:38Z&st=2023-07-04T12:33:38Z&spr=https&sig=wYuWw194d3BFX5P52u2A92NCOZZBLU2SfyyZPcGXzPg%3D
```

```
CREATE OR REPLACE STAGE TRANSACTION_STAGE
```

```
url = 'azure://retailfilestorage.blob.core.windows.net/retail-txns-container/'
```

```
credentials = (azure_sas_token='?sv=2022-11-02&ss=bfqt&srt=co&sp=rwdlacupytfx&se=2023-09-10T15:42:56Z&st=2023-09-09T07:42:56Z&spr=https&sig=UgXz11anoEBICjRsz9yDNcrkMZE6orj%2BXk1g6md6hQ%3D');
```

```
SHOW STAGES;
```

```
LS @TRANSACTION_STAGE;
```

```
CREATE OR REPLACE PIPE "RETAIL_TRANSACTION_PIPE"
```

```
auto_ingest = true
```

```
integration = 'RETAIL_TXNS_INTEGRATION'
```

```
as
```

```
copy into TRANSACTION_RAW
```

```
from @TRANSACTION_STAGE
```

```
file_format = RETAIL_TRNXS_CSV ;
```

```
SHOW PIPES;
```

```
SELECT COUNT(*) FROM TRANSACTION_RAW;
```



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```
SELECT * FROM TRANSACTION_RAW ;
```

```
ALTER PIPE RETAIL_TRANSACTION_PIPE REFRESH;
```

```
select *
```

```
from table(information_schema.copy_history (table_name=> 'TRANSACTION_RAW',
```

```
start_time=> dateadd (hours, -1, current_timestamp())));
```

ANALYTICS WITH ANAND