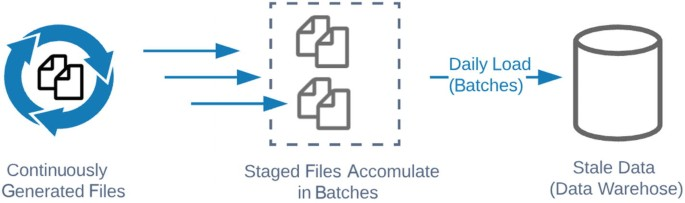
**Project Task:**

**What is snowpipe:**

Snowpipe provides a “pipeline” for loading fresh data in micro-batches as soon as it is available.

**Diagram :**



**Features of snowpipe**

* Snowpipe enables loading data from files as soon as they're available in a stage.
* This means you can load data from files in micro-batches, making it available to users within minutes,
* rather than manually executing COPY statements on a schedule to load larger batch
* Snowpipe is Snowflake's continuous data ingestion service.
* Snowpipe loads data within minutes after files are added to a stage and submitted for ingestion.

**Snowsq**l - it is a command line interpreterit is used to copy the file into your local system to snowflake stage.

**Copy into statement for loading json file**

--Put Json file to snowflake code

--create table

create or replace table home\_sales (

city string,

zip string,

state string,

type string default 'Residential',

sale\_date timestamp\_ntz,

price string

);

--create file format

create or replace file format sf\_tut\_json\_format

type = json;

--create stage

create or replace stage sf\_tut\_stage

--create file format

file\_format = sf\_tut\_json\_format;

--put the file to internal storage

PUT file://desktop/sales.json @sf\_tut\_stage;

--show list @sf\_tut\_stage;

list @sf\_tut\_stage;

--Load the JSON data into the relational table.

copy into home\_sales(city, state, zip, sale\_date, price)

from (select substr($1:location.state\_city,4), substr($1:location.state\_city,1,2),

$1:location.zip, to\_timestamp\_ntz($1:sale\_date), $1:price

from @sf\_tut\_stage/sales.json.gz t)

on\_error = 'continue';

--continue-continue loading the data

--Query the relational table

select \* from home\_sales;