## Using macro Source as Reference

* Getting source name from the warehouse and updating using the ‘SOURCE macro’ function to pull records. We can explicitly call the TABLE name
* EG:

→

// source function:

{{ source(‘stripe’, ‘payments’) }}

* Using keyword ‘source’ will create direct REFERENCE to the '.yaml' file. Then, the yaml configuration will **replace the SOURCE function with ‘DIRECT’ RAW table reference.** This prevents updating new table name in every objects in the model
* The new update on SOURCE object name is also reflected on ‘Lineage’ feature as well
* Check **FRESHNESS** of target table

# Build Source ‘YML’ File

* Location: Staging
* Naming convention: ‘snow\_sales\_\_sources.yml’
* Specify database, schema, and table names inside the ‘yml’ file
* NOTE: case sensitive with TABLE or VIEW names

→

# Source configuration

version: 2

sources:

- name: snow\_sales

database: dbt\_trial

schema: dbo\_dbt

tables:

- name: CUSTOMERS

- name: ORDERS

- name: LINEITEMS

## In MODEL; Use source macro to call TABLE or VIEW

* Calling the table or view from source in the MODEL; use config Source name and table name

SELECT o\_orderkey,

o\_custkey,

o\_orderstatus,

o\_totalprice,

o\_orderpriority

FROM {{ source('snow\_sales', 'orders') }}

## Using `freshness` configuration

* Attach **FRESHNESS** object on source ‘yml’ file. It provides the timestamp of the object that is being refreshed
* Attach this feature on target source table: ‘ORDERS’
* staleness configuration based on hour, day, etc

## on TABLE level

# Source configuration

version: 2

sources:

- name: snow\_sales

database: dbt\_trial

schema: dbo\_dbt

tables:

- name: customers

- name: orders

freshness: ## strict configurations

warn\_after: {count: 6, period: hour}

error\_after: {count: 12, period: hour}

loaded\_at\_field: \_etl\_loaded\_at

* Next run cmd:

→ `dbt source freshness`

# on Schema level. To check the freshness

* Apply same freshness feature on schema level
* To skip the freshness check on specific table, we set as ‘null’

tables:

- name: customers

freshness: null