# PoCs

## dbt with Airflow

In this PoC I am running dbt code in Airflow. That dbt code is making transformations on data in a MS SQL server. Everything is running in Docker containers on our local machine.

There is a folder ‘dbt with Airflow PoC’ in the same folder as this document containing a PowerPoint presentation and videos exaplaining this PoC.

# Selector patterns/methods

When running dbt we can select which nodes (models, snapshots) will be built. More info about that: [docs.getdbt.com](https://docs.getdbt.com/reference/node-selection/methods).

When running dbt in a command line we are using it in the following way:

Dbt run –select “pattern”

In order to execute such a command in Airflow using the cosmos.dbtTaskGroup function we need to write:

dtbTaskGroup(

render\_config = RenderConfig(select=[“pattern”])

)

For example this command will build all the snapshots:

Dbt snapshot –select “snapshot:”

And this will build a specific model:

Dbt run –select “model:model\_name”