```
1   {{ config (
2       materialized="table"
3   )}}
4
5   WITH individual_flights_dim AS
6   (SELECT * from {{ ref('dim_individual_flights')}}),
7
8   aircraft_dim AS
9   (SELECT * FROM {{"dim_aircraft"}})
10
11  SELECT
12      aircraft_dim.aircraft_type,
13      individual_flights_dim.aircraft_id,
14      COUNT(individual_flights_dim.flight_id) as number_of_flights
15  FROM individual_flights_dim
16  JOIN aircraft_dim ON aircraft_dim.aircraft_id = individual_flights_dim.aircraft_id
17  GROUP BY individual_flights_dim.aircraft_id, aircraft_dim.aircraft_type
18  ORDER BY COUNT(*) DESC
```

Version control   24

Commit to new branch

Changes
- .gitkeep analyses
- .gitkeep macros
- dim_aircraft.sql
- dim_airlines.sql
- dim_airports.sql
- dim_flight_summary_data.sql
- dim_individual_flights.sql

File explorer

- macros
- models
  - marts
    - dim_aircraft.sql
    - dim_airlines.sql
    - dim_airports.sql
    - dim_flight_summary_data.sql
    - dim_individual_flights.sql
    - fct_airlines.sql
    - fct_airports.sql
    - fct_capacity.sql
    - fct_croissance.sql
    - fct_number_of_flights.sql
  - staging
- seeds
- snapshots
- target
- tests
- .gitignore
- dbt_project.yml
- README.md

Preview | Compile | Build | Format   Results   Code quality   Compiled code   Lineage   dbt Copilot

2+fct_number_of_flights+2   Update Graph

stg_individual_flights → dim_individual_flights → fct_number_of_flights

dbt build --select <model_name>   Defer to staging/production   Ready

Version control

Commit to new branch

Changes
- .gitkeep analyses
- .gitkeep macros
- dim_aircraft.sql
- dim_airlines.sql
- dim_airports.sql
- dim_flight_summary_data.sql
- dim_individual_flights.sql

File explorer

- macros
- models
  - marts
    - dim_aircraft.sql
    - dim_airlines.sql
    - dim_airports.sql
    - dim_flight_summary_data.sql
    - dim_individual_flights.sql
    - fct_airlines.sql
    - fct_airports.sql
    - fct_capacity.sql
    - fct_croissance.sql
    - fct_number_of_flights.sql
  - staging
- seeds
- snapshots
- target
- tests
- .gitignore
- dbt_project.yml
- README.md

Tabs: dbt_project.yml | stg_aircraft.sql | stg_airlines.sql | stg_airports.sql | stg_flight_su... | stg_individual... | sources.yml | dim_aircraft.sql | dim_individua... | dim_airlines.sql | +

models / marts / fct_airlines.sql

```sql
1   with airlines as (
2       select * from {{('dim_airlines')}}
3   ),
4   flight_summary as (
5       select * from {{ ref('stg_flight_summary_data')}}
6   ),
7
8   -- creation cte pour calculer total par année et par compagnie
9   airlines_summary as (
10      select
11          YEAR(flight_summary.date) as year,
12          flight_summary.airline_code,
13          airlines.airline_name,
14          sum(flight_summary.RPM_domestic) as domestic_revenue,
15          sum(flight_summary.RPM_international) as international_revenue,
16          (sum(flight_summary.RPM_domestic) +
17  sum(flight_summary.RPM_international)) as total_revenue
18      FROM flight_summary
19      JOIN airlines ON flight_summary.airline_code = airlines.airline_code
20      GROUP BY
21          YEAR(flight_summary.date),
22          flight_summary.airline_code,
23          airlines.airline_name
24  )
25
```

Preview | Compile | Build | Format   Results Code quality Compiled code Lineage   dbt Copilot

2+fct_airlines+2   Update Graph

SRC aircraft_db.flight_summary_data → MDL stg_flight_summary_data → MDL fct_airlines

dbt build --select <model_name>   Defer to staging/production   Ready

dbt_project.yml | stg_aircraft.sql | stg_airlines.sql | stg_airports.sql | stg_flight_su... | stg_individual... | sources.yml | dim_aircraft.sql | dim_individua... | dim_airlines.sql | +

models / marts / fct_airports.sql

Save

```
1   with airports as (
2       select * from {{ref('dim_airports')}}
3   ),
4   flight_summary as (
5       select * from {{ref('stg_flight_summary_data')}}
6   ),
7   airports_summary as (
8       select
9           airports.airport_code,
10          airports.airport_name,
11          sum(flight_summary.passengers_domestic) +
12  sum(flight_summary.passengers_international) as passengers_nb
13          from airports
14          join flight_summary on airports.airport_code = flight_summary.airport_code
15          group by
16              airports.airport_code,
17              airports.airport_name
18  )
19  select * from airports_summary
```

Version control

Commit to new branch

Changes

- .gitkeep analyses
- .gitkeep macros
- dim_aircraft.sql
- dim_airlines.sql
- dim_airports.sql
- dim_flight_summary_data.sql
- dim individual flights sql

File explorer

- macros
- models
  - marts
    - dim_aircraft.sql
    - dim_airlines.sql
    - dim_airports.sql
    - dim_flight_summary_data.sql
    - dim_individual_flights.sql
    - fct_airlines.sql
    - fct_airports.sql
    - fct_capacity.sql
    - fct_croissance.sql
    - fct_number_of_flights.sql
  - staging
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- dbt_project.yml
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Preview | Compile | Build | Format | Results | Code quality | Compiled code | Lineage

dbt Copilot

2+fct_airports+2 | Update Graph

stg_airports (MDL) → dim_airports (MDL) → fct_airports (MDL)

aircraft_db.flight_summary_data (SRC) → stg_flight_summary_data (MDL) → fct_airports (MDL)

dbt build --select <model_name>

Defer to staging/production | Ready

Changes
- .gitkeep analyses
- .gitkeep macros
- dim_aircraft.sql
- dim_airlines.sql
- dim_airports.sql
- dim_flight_summary_data.sql
- dim_individual_flights.sql

File explorer

- macros
- models
  - marts
    - dim_aircraft.sql
    - dim_airlines.sql
    - dim_airports.sql
    - dim_flight_summary_data.sql
    - dim_individual_flights.sql
    - fct_airlines.sql
    - fct_airports.sql
    - fct_capacity.sql
    - fct_croissance.sql
    - fct_number_of_flights.sql
  - staging
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- target
- tests
- .gitignore
- dbt_project.yml
- README.md

Tabs: dbt_project.yml | stg_aircraft.sql | stg_airlines.sql | stg_airports.sql | stg_flight_su... | stg_individual... | sources.yml | dim_aircraft.sql | dim_individua... | dim_airlines.sql | +

models / marts / fct_croissance.sql

```sql
with airlines as (
    select * from {{ ref("dim_airlines")}}
),
flight_summary as (
    select * from {{ ref('stg_flight_summary_data')}}
),

croissance_all as (
    select
        flight_summary.airline_code as airline_code,
        airlines.airline_name as airline_name,
        YEAR(flight_summary.date) as year,
        AVG(flight_summary.ASM_domestic) as avg_asm_domestic
    from flight_summary
    join airlines on flight_summary.airline_code = airlines.airline_code
    group by flight_summary.airline_code, airlines.airline_name,
YEAR(flight_summary.date)
),

croissance as (
    select
        croissance_all.airline_code as airline_code,
        croissance_all.airline_name as airline_name,
        croissance_all.year as year,
```

Preview | Compile | Build | Format   Results   Code quality   Compiled code   Lineage   dbt Copilot

2+fct_croissance+2   Update Graph

Lineage graph:
- stg_airlines (MDL) → dim_airlines (MDL) → fct_croissance (MDL)
- aircraft_db.flight_summary_data (SRC) → stg_flight_summary_data (MDL) → fct_croissance (MDL)

dbt build --select <model_name>   Defer to staging/production   Ready

main

dbt_project.yml   stg_aircraft.sql   stg_airlines.sql   stg_airports.sql   stg_flight_su...   stg_individual...   sources.yml   dim_aircra   +

models / marts / fct_croissance_per_year.sql

Save

```
21        croissance as (
22            select
24                croissance_all.airline_name as airline_name,
25                croissance_all.year as year,
26                croissance_all.avg_asm_domestic as avg_asm_domestic,
27                lag(avg_asm_domestic , 1) over(partition by airline_code order by year
28    asc) as previous_year,
29                round(((avg_asm_domestic-previous_year)/(previous_year)*100),2) as
30    taux_croissance
31        from croissance_all
32        order by airline_code, year
33    )
34
35    select * from croissance
```

Commit to new branch

Changes

.gitkeep   analyses

.gitkeep   macros

File explorer

fct_airlines.sql

fct_airports.sql

fct_capacity.sql

fct_croissance_per_year.sql

fct_croissance.sql

fct_number_of_flights.sql

staging

seeds

snapshots

target

tests

.gitignore

dbt_project.yml

Preview   </> Compile   Build   v   Format   Results   Code quality   Compiled code   Lineage   dbt Copilot v

2+fct_croissance_per_year+2   Update Graph

stg_airlines → dim_airlines → fct_croissance_per_year

aircraft_db.flight_summary_data → stg_flight_summary_data

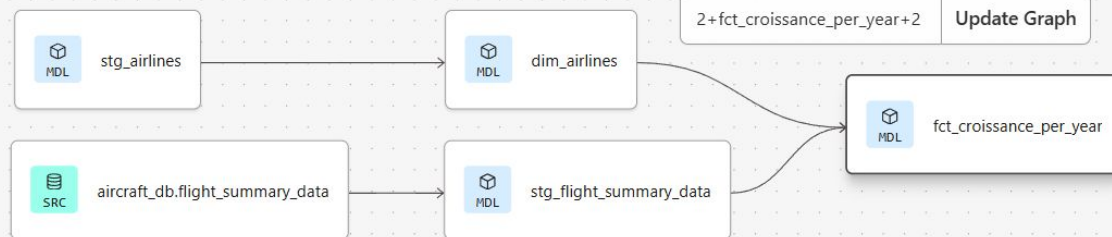dbt build --select <model_name>   Defer to staging/production ?   ◯ Ready   ...

Rechercher

17:44
27/11/2025