

Object Explorer

state

city

created_at

update_at

Constraints (4)

airport_pkey

check_airport_name_length

name_airport

unique_airport_name

Indexes

RLS Policies

Rules

Triggers

baggage

baggage_check

Columns

Constraints (3)

baggage_check_booking_id_fkey

baggage_check_passenger_id_fkey

baggage_check_pkey

Indexes

RLS Policies

Rules

Triggers

boarding_pass

booking

Columns (8)

booking_id

passenger_id

booking_platform

created_at

update_at

status

price

ticket_discount

Constraints (7)

booking_passenger_id_fkey

database_subj/postgres@PostgreSQL 17*

database_subj/postgres@PostgreSQL 17

Query

Query History

Scratch Pad

1

BEGIN;

2

3

DELETE FROM booking WHERE booking_id = 123;

4

5

DELETE FROM booking WHERE booking_id = -999;

6

7

ROLLBACK;

Data Output

Messages

Notifications

ERROR: update or delete on table "booking" violates foreign key constraint "baggage_check_booking_id_fkey" on table "baggage_check"
Key (booking_id)=(123) is still referenced from table "baggage_check".

SQL state: 23503
Detail: Key (booking_id)=(123) is still referenced from table "baggage_check".

Total rows:

Query complete 00:00:00.043

LF

Ln 6, Col 1

public.flights/data... databases_sj/postgres@PostgreSQL 17* X

databases_sj/postgres@PostgreSQL 17

No limit

Query Query History Scratch Pad X

Domain

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FTS Te

Foreign

Function

Material

Operator

Procedure

Sequences

Tables

airlin

airpo

bagga

bagga

board

book

book

flight

C

1 BEGIN;

2

3 UPDATE booking b

4 SET price = price * 0.9;

5 update_at = CURRENT_DATE

6 FROM booking_flight bf

7 WHERE b.booking_id = bf.booking_id

8 AND bf.flight_id = 101;

9

10 SELECT b.booking_id, b.price

11 FROM booking b

12 JOIN booking_flight bf ON b.booking_id = bf.booking_id

13 WHERE bf.flight_id = 101;

14

15

16 COMMIT;

Data Output Messages Notifications

COMMIT

Query returned successfully in 51 msec.

> ▶ C

Total rows: Query complete 00:00:00.051

✓ Query returned successfully in 51 msec. X

LF Ln 2, Col 1

public.flights/data... databases_sj/postgres@PostgreSQL 17* public.passengers...

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Foreign
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Tables
airli
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bool
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databases_sj/postgres@PostgreSQL 17

No limit

Query Query History Scratch Pad

```
1 BEGIN;
2
3 UPDATE passengers
4 SET first_name = 'John',
5     last_name = 'Doe',
6     date_of_birth = '1990-05-10',
7     country_of_residence = 'Kazakhstan',
8     update_at = CURRENT_DATE
9 WHERE passenger_id = 201;
10
11 UPDATE booking b
12 SET update_at = CURRENT_DATE
13 FROM passengers p
14 WHERE b.passenger_id = p.passenger_id
15       AND p.passenger_id = 201;
16
17 SELECT *
18 FROM passengers
19 WHERE passenger_id = 201;
20
21 SELECT *
22 FROM booking
23 WHERE passenger_id = 201;
24
25 COMMIT;
```

Data Output Messages Notifications

COMMIT

Query returned successfully in 44 msec.

Total rows: Query complete 00:00:00.044

✓ Query returned successfully in 44 msec. ✕

LF Ln 16, Col 1

The screenshot displays a PostgreSQL database client interface. The top toolbar contains icons for file operations, query execution, and settings. The main window is divided into three panes: a left sidebar showing a database tree, a central query editor, and a bottom status bar.

Database Tree (Left Sidebar):

- Tables
 - airline
 - airport
 - baggage
 - board
 - booking
 - company
 - flight
 - passenger
- Schema
 - public

Query Editor (Center):

```

1 BEGIN;
2
3 INSERT INTO passengers (
4     passenger_id, first_name, last_name, date_of_birth, gender,
5     country_of_citizenship, country_of_residence, passport_number,
6     created_at, update_at
7 ) VALUES (
8     201, 'Alice', 'Smith', '1995-08-20', 'Female',
9     'Kazakhstan', 'Kazakhstan', 'AB1234567',
10    CURRENT_DATE, CURRENT_DATE
11 );
12
13 INSERT INTO booking (
14     booking_id, passenger_id, booking_platform, created_at, update_at, status, price
15 ) VALUES (
16     501, 201, 'DropBox', CURRENT_DATE, CURRENT_DATE, 'Confirmed', 1500.00
17 );
18
19 SELECT * FROM passengers WHERE passenger_id = 201;
20 SELECT * FROM booking WHERE passenger_id = 201;
21
22 COMMIT;
  
```

Status Bar (Bottom):

Total rows: Query complete 00:00:00.053

Query returned successfully in 53 msec.

public.flights/data... X databases_sj/postgres@PostgreSQL 17* X public.passengers... X public.booking/dat... X

databases_sj/postgres@PostgreSQL 17

Tables

- airlin
- airpx
- bagt
- bagt
- boar
- book
- fligh

Query

```
1 BEGIN;
2
3 UPDATE booking b
4 SET price = price + 500,
5     update_at = CURRENT_DATE
6 FROM booking_flight bf
7 WHERE b.booking_id = bf.booking_id
8     AND bf.flight_id = 101;
9
10 SELECT b.booking_id, b.price
11 FROM booking b
12 JOIN booking_flight bf ON b.booking_id = bf.booking_id
13 WHERE bf.flight_id = 101;
14
15 COMMIT;
```

Query History

Scratch Pad

Data Output Messages Notifications

COMMIT

Query returned successfully in 41 msec.

Total rows: Query complete 00:00:00.041

✓ Query returned successfully in 41 msec. X

LF Ln 2, Col 1

PostgreSQL FastAPI (2)
Local PostgreSQL
PostgreSQL 17
Databases (11)
book_app
database_subj
Casts
Catalogs
Event Triggers
Extensions
Foreign Data
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configs
FTS Dictionaries
FTS Parser
FTS Templates
Foreign Data
Functions
Materialized Views
Operators
Procedures
Sequences
Tables
airlin
C

database_subj/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
Data Output
Messages
Notifications
ERROR: new row for relation "baggage" violates check constraint "baggage_check"
Failing row contains (301, 23.50, 2024-02-04, 2025-11-25, 47).
SQL state: 23514
Detail: Failing row contains (301, 23.50, 2024-02-04, 2025-11-25, 47).
Total rows: Query complete 00:00:00.045
LF Ln 7, Col 1

public.flights/data... database_subj/postgres@PostgreSQL 17* public.baggage/da...
database_subj/postgres@PostgreSQL 17
BEGIN;
UPDATE baggage
SET weight_in_kg = 23.5,
update_date = CURRENT_DATE
WHERE baggage_id = 301;
SELECT baggage_id, weight_in_kg
FROM baggage
WHERE baggage_id = 301;
COMMIT;

database_subj/po...public.baggage/da...public.baggage_ch...public.baggage/da...public.passengers/database_subj/postgres@PostgreSQL 17*

public.passengers/database_subj/postgres@PostgreSQL 17

Query

Query History

Scratch Pad

1

BEGIN;

2

3

UPDATE booking

4

SET price = price * 0.9;

5

update_at = CURRENT_DATE

6

WHERE passenger_id = 201;

7

8

SELECT booking_id, passenger_id, price

9

FROM booking

10

WHERE passenger_id = 201;

11

12

COMMIT;

Data Output

Messages

Notifications

COMMIT

Query returned successfully in 53 msec.

Database Explorer

database_subj

public

public.passengers

Total rows:

Query complete 00:00:00.053

✓ Query returned successfully in 53 msec.

LF Ln 2, Col 1

