

Create table and test

Connect to PostgreSQL

If your DB name is `mydb`:

```
psql -U postgres -W -d mydb
```

OR using the Debezium user (read-only but good for testing SELECT):

```
psql -U debezium -W -d mydb
```

? 2. Create a table

Inside psql:

```
CREATE TABLE users (  
  id SERIAL PRIMARY KEY,  
  name VARCHAR(100),  
  email VARCHAR(150),  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

Debezium will track this table because:

- You created a publication with `FOR ALL TABLES`
 - Debezium captures all changes in the `public` schema
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? 3. Insert sample data

```
INSERT INTO users (name, email)  
VALUES  
( 'Golam Kibria', 'gkibria@example.com'),  
( 'John Doe', 'john@example.com'),  
( 'Alice Rahman', 'alice@example.com');
```

? 4. Query table to confirm

```
SELECT * FROM users;
```

You should see:

id	name	email	created_at
1	Golam Kibria	gkibria@example.com	2025-11-30 23:50:12
2	John Doe	john@example.com	2025-11-30 23:50:12
3	Alice Rahman	alice@example.com	2025-11-30 23:50:12

? 5. Verify Debezium CDC events (optional)

In Kafka, list topics:

```
/opt/kafka/bin/kafka-topics.sh --bootstrap-server localhost:9092 --list
```

Expected:

```
pg.public.users  
pg.public.users-value  
pg.public.users-key
```

Consume the topic:

```
/opt/kafka/bin/kafka-console-consumer.sh \  
  --bootstrap-server localhost:9092 \  
  --topic pg.public.users \  
  --from-beginning
```

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