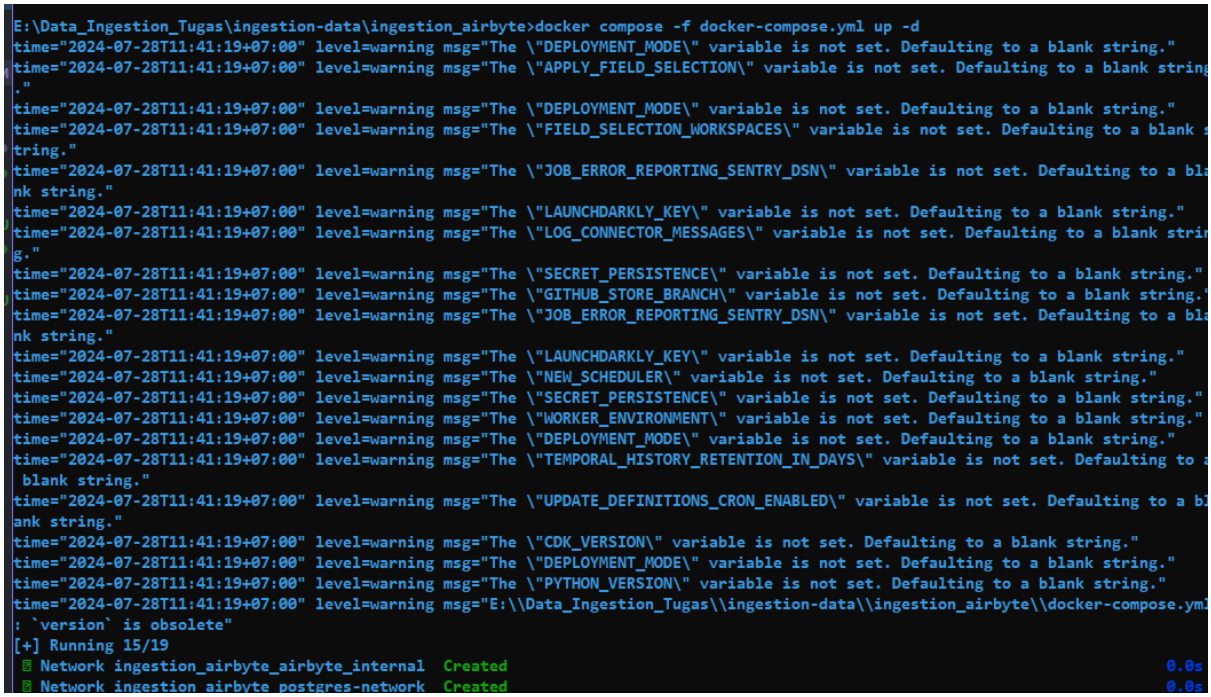
Nama: Farhan Riyandi

Mentor: Bilal Benefit

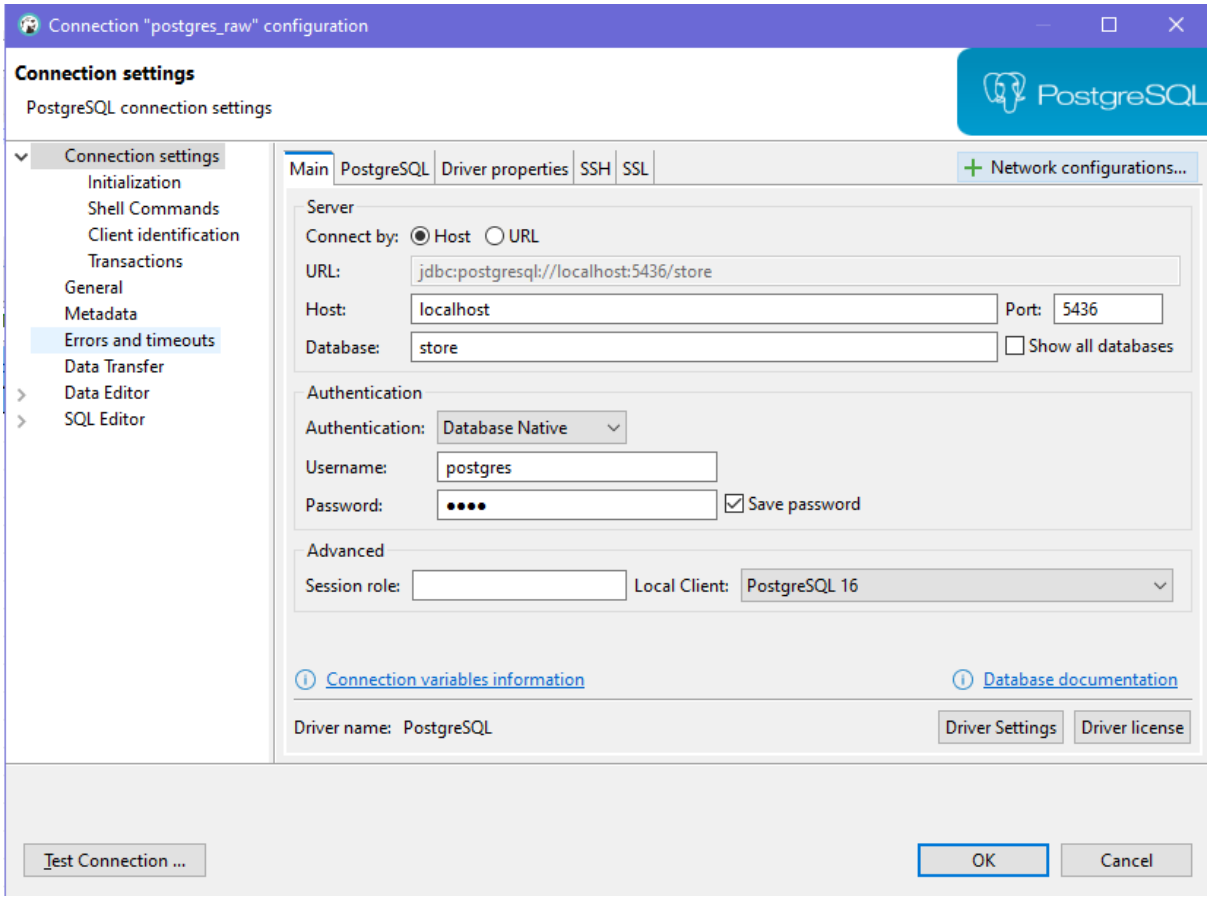
Data Engineer Batch 4

Ingest from API to Postgresql

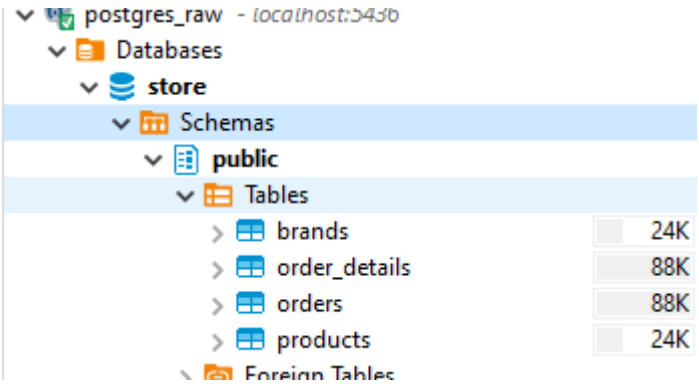
Jalankan docker compose yang menjalankan container airbyte



Buat koneksi postgres

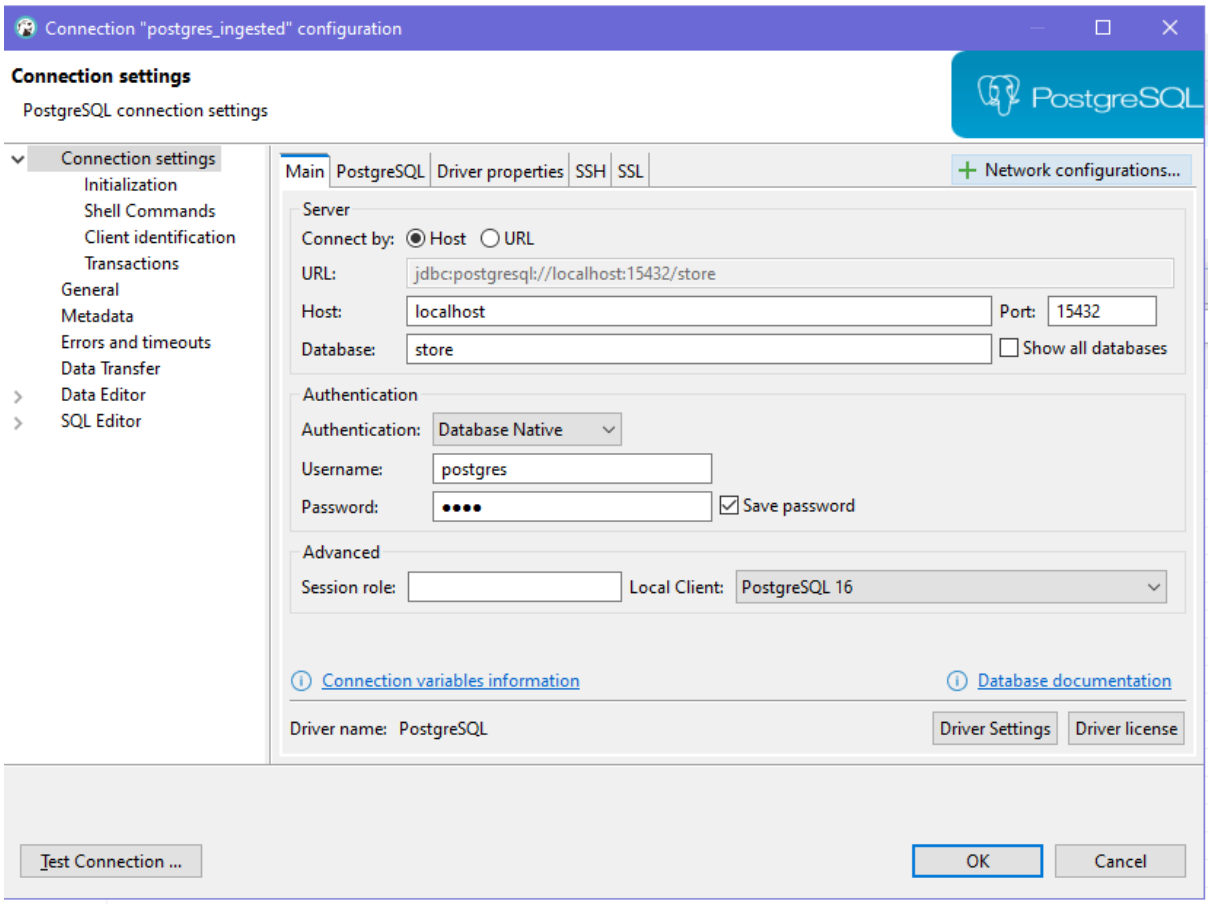


Dari store diubah Namanya menjadi postgres_raw

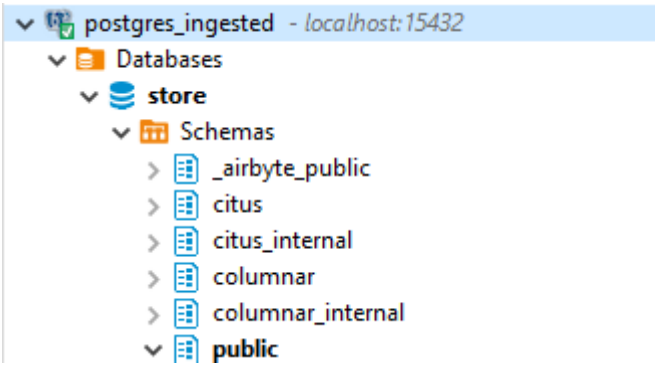


Bisa dilihat diatas sudah terdapat table yang sudah tersedia.

Kemudian dibuat lagi koneksi yang satunya lagi

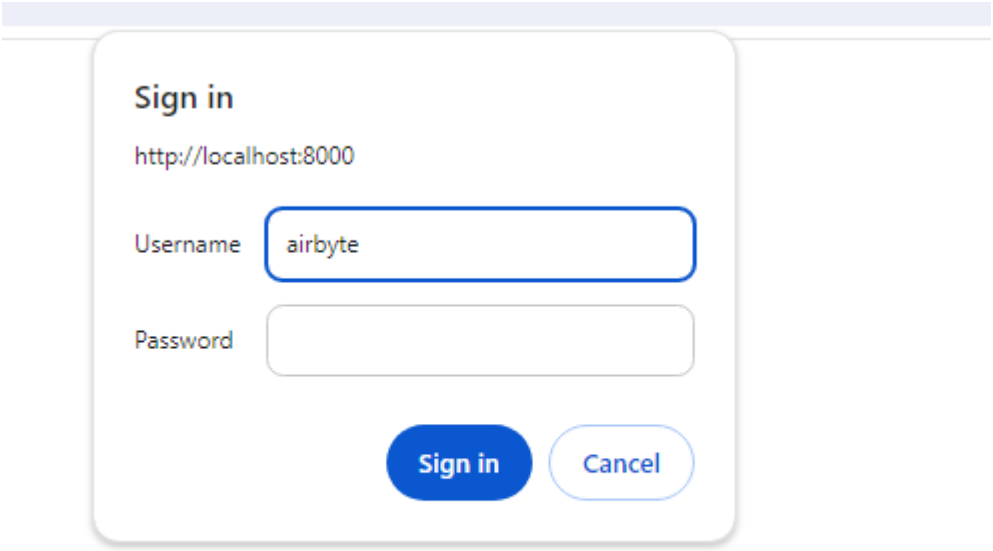


Berikut adalah hasil dari database koneksi diatas yang sudah dibuat

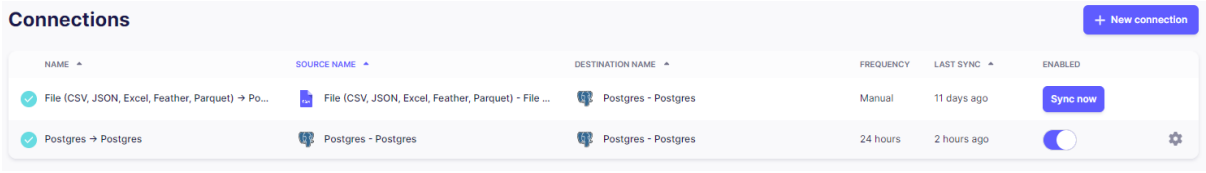


Dimana pada database tersebut masih kosong, tujuannya adalah memindahkan dari table postgres_raw ke postgres_ingested.

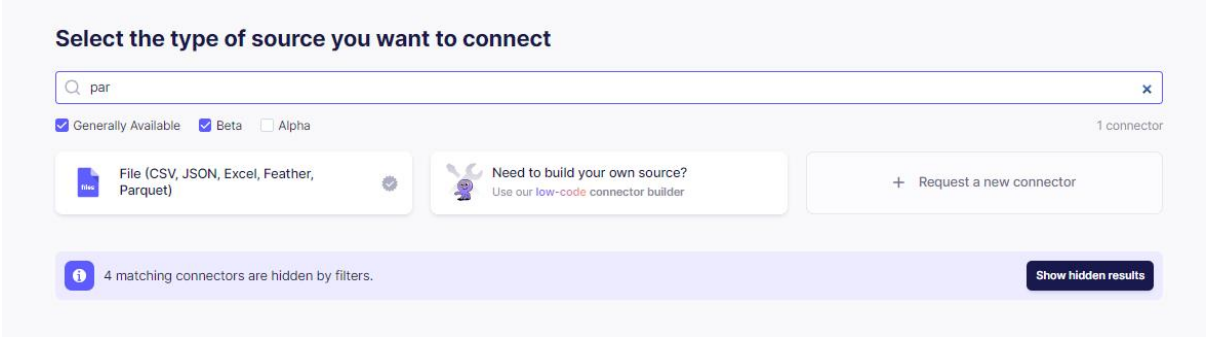
Kemudian buka link berikut: http://localhost:8000/ . Kemudian login pada airbyte tersebut.



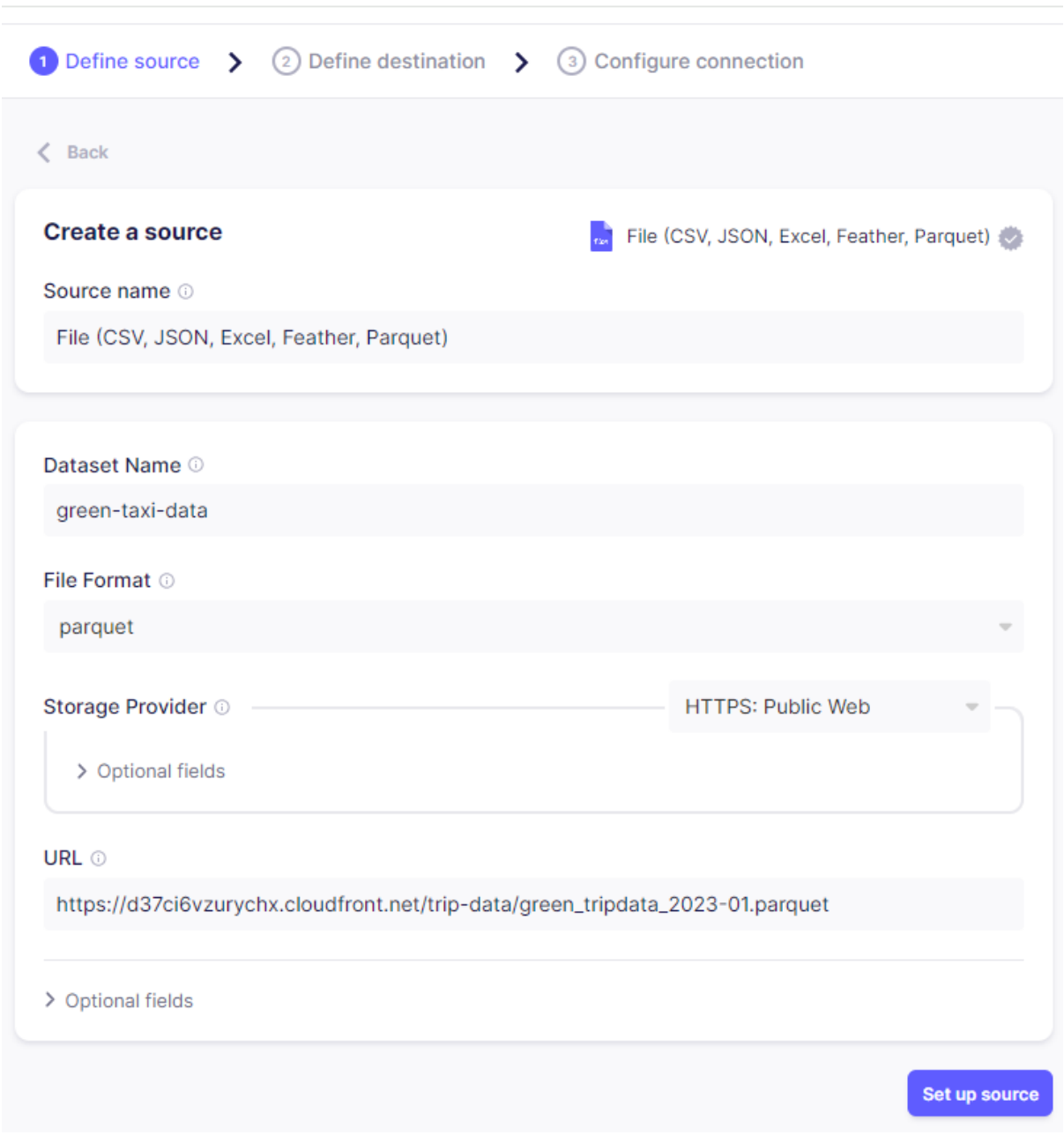
Setelah login pada connection klik new connection



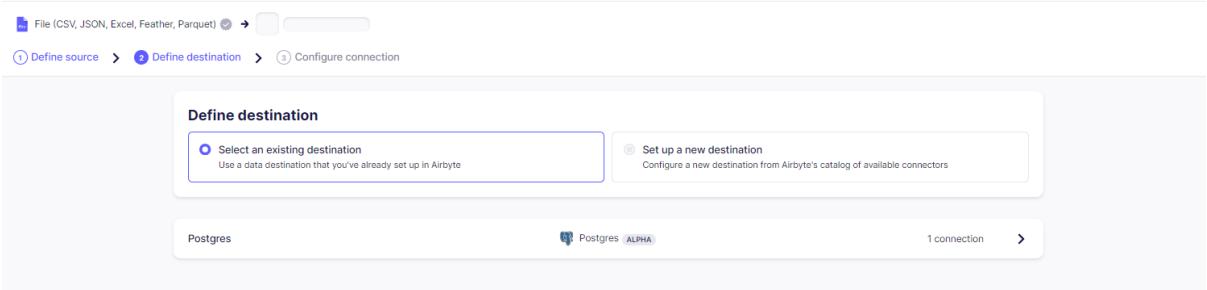
Pilihlah file (CSV, JSON, Excel, Feather, Parquet)



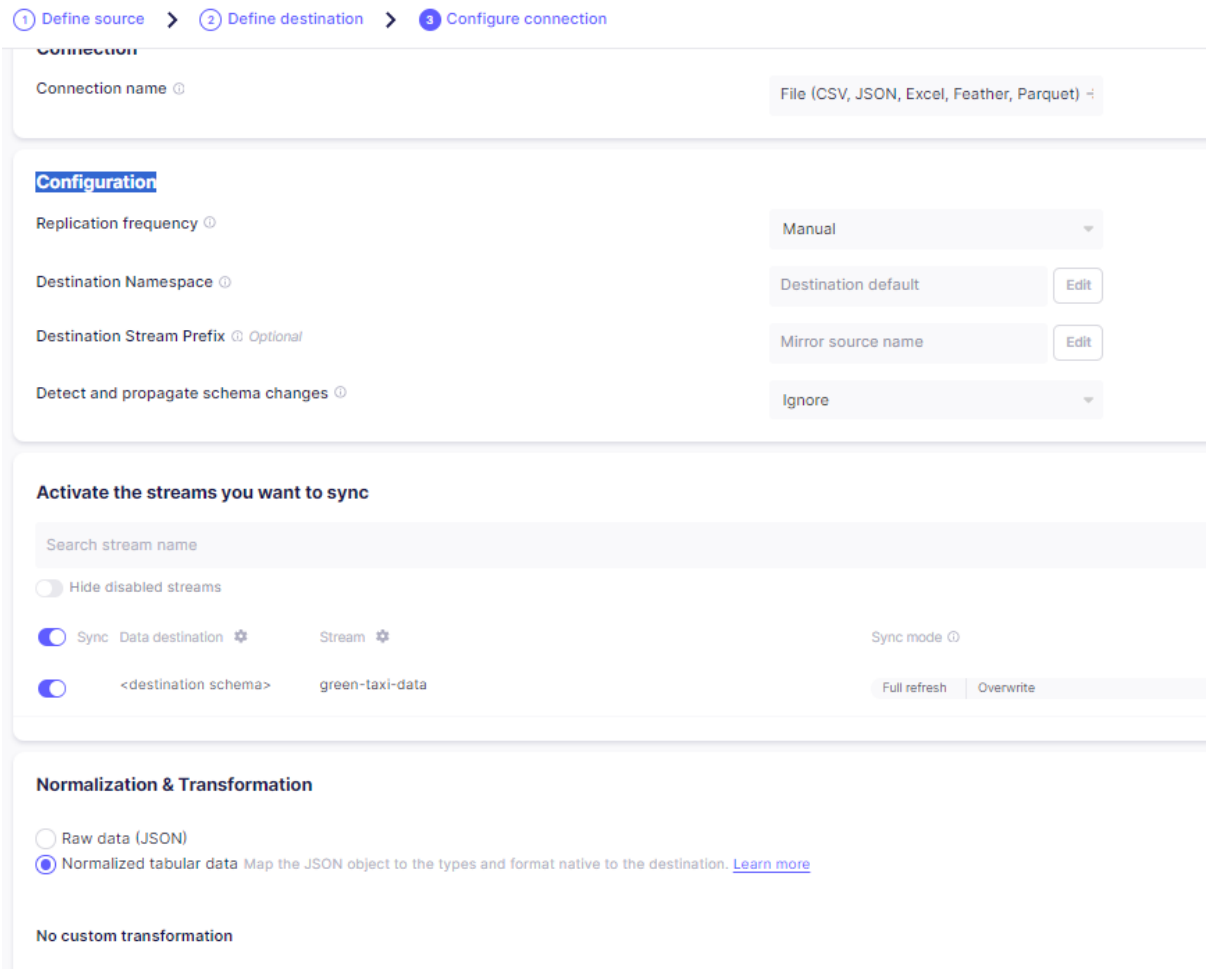
Kemudian lakukan konfigurasi sebagai dibawah ini, jika sudah klik set up source



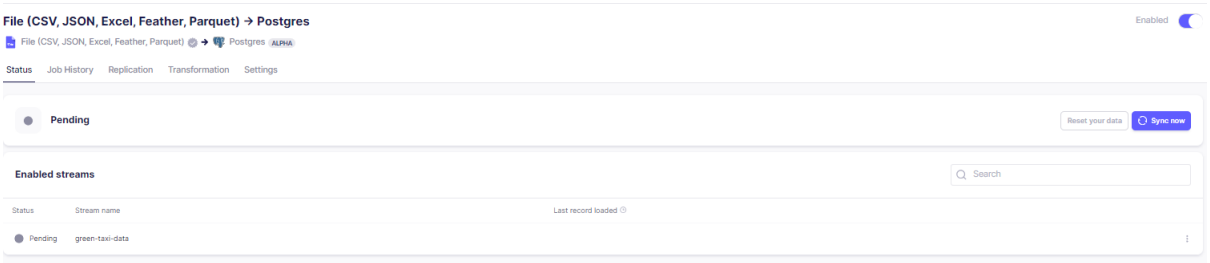
Kemudian pada define destination pilih postgres



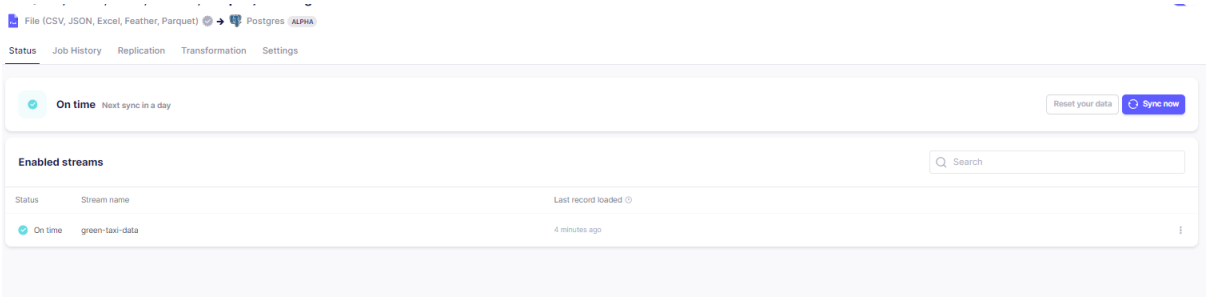
Pada configuration connection dilakukan konfigurasi sebagai berikut, kemudian klik set up connection



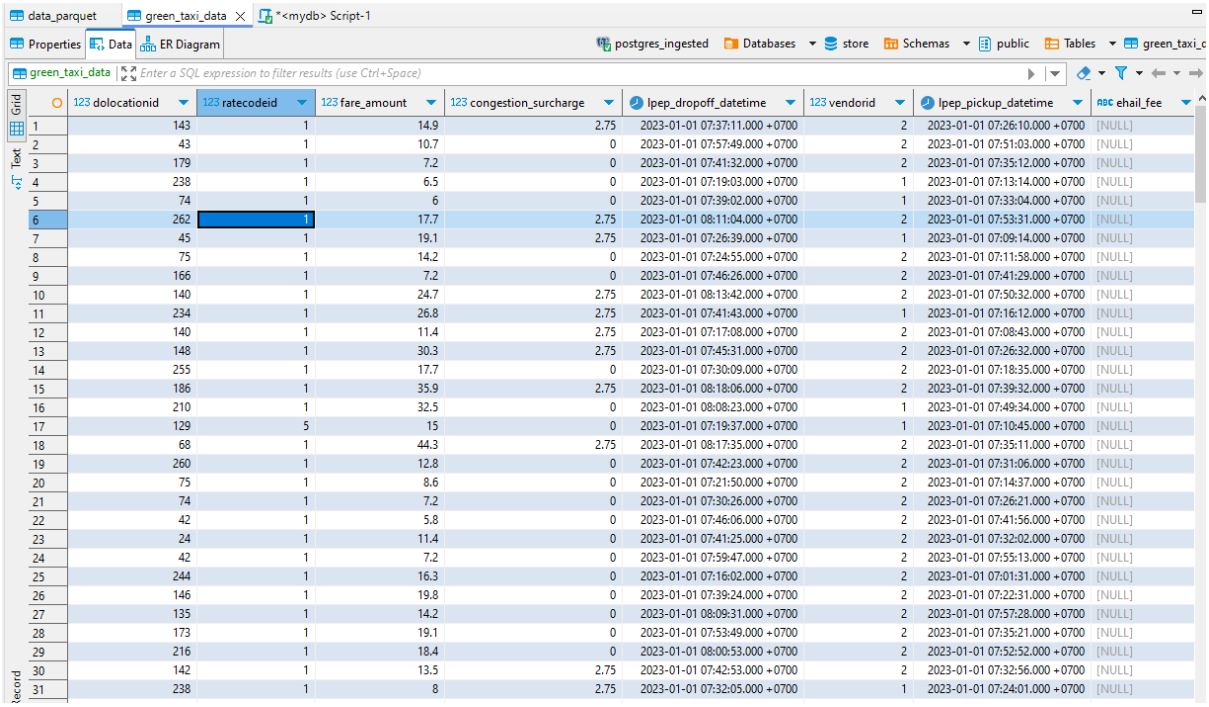
Klik sync now



Kemudian setelah berhasil



Kemudian berikut data green_taxi_data yang sudah masuk ke database



	123 dolocationid	123 ratecodeid	123 fare_amount	123 congestion_surcharge	lpep_dropoff_datetime	123 vendorid	lpep_pickup_datetime	ABC ehail_fee
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2	43	1	10.7	0	2023-01-01 07:57:49.000 +0700	2	2023-01-01 07:51:03.000 +0700	[NULL]
3	179	1	7.2	0	2023-01-01 07:41:32.000 +0700	2	2023-01-01 07:35:12.000 +0700	[NULL]
4	238	1	6.5	0	2023-01-01 07:19:03.000 +0700	1	2023-01-01 07:13:14.000 +0700	[NULL]
5	74	1	6	0	2023-01-01 07:39:02.000 +0700	1	2023-01-01 07:33:04.000 +0700	[NULL]
6	262	1	17.7	2.75	2023-01-01 08:11:04.000 +0700	2	2023-01-01 07:53:31.000 +0700	[NULL]
7	45	1	19.1	2.75	2023-01-01 07:26:39.000 +0700	1	2023-01-01 07:09:14.000 +0700	[NULL]
8	75	1	14.2	0	2023-01-01 07:24:55.000 +0700	2	2023-01-01 07:11:58.000 +0700	[NULL]
9	166	1	7.2	0	2023-01-01 07:46:26.000 +0700	2	2023-01-01 07:41:29.000 +0700	[NULL]
10	140	1	24.7	2.75	2023-01-01 08:13:42.000 +0700	2	2023-01-01 07:50:32.000 +0700	[NULL]
11	234	1	26.8	2.75	2023-01-01 07:41:43.000 +0700	1	2023-01-01 07:16:12.000 +0700	[NULL]
12	140	1	11.4	2.75	2023-01-01 07:17:08.000 +0700	2	2023-01-01 07:08:43.000 +0700	[NULL]
13	148	1	30.3	2.75	2023-01-01 07:45:31.000 +0700	2	2023-01-01 07:26:32.000 +0700	[NULL]
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17	129	5	15	0	2023-01-01 07:19:37.000 +0700	1	2023-01-01 07:10:45.000 +0700	[NULL]
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22	42	1	5.8	0	2023-01-01 07:46:06.000 +0700	2	2023-01-01 07:41:56.000 +0700	[NULL]
23	24	1	11.4	0	2023-01-01 07:41:25.000 +0700	2	2023-01-01 07:32:02.000 +0700	[NULL]
24	42	1	7.2	0	2023-01-01 07:59:47.000 +0700	2	2023-01-01 07:55:13.000 +0700	[NULL]
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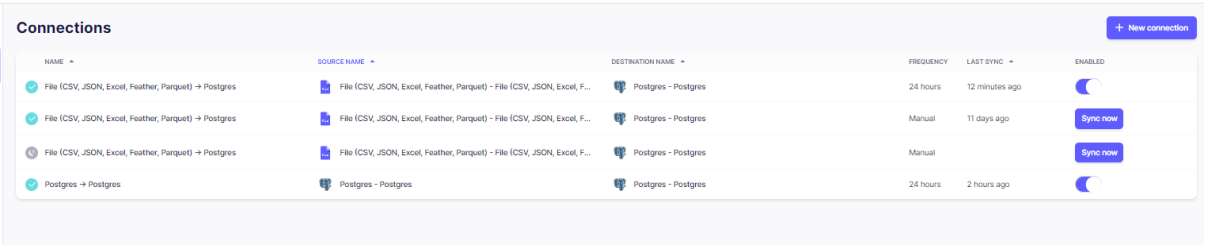
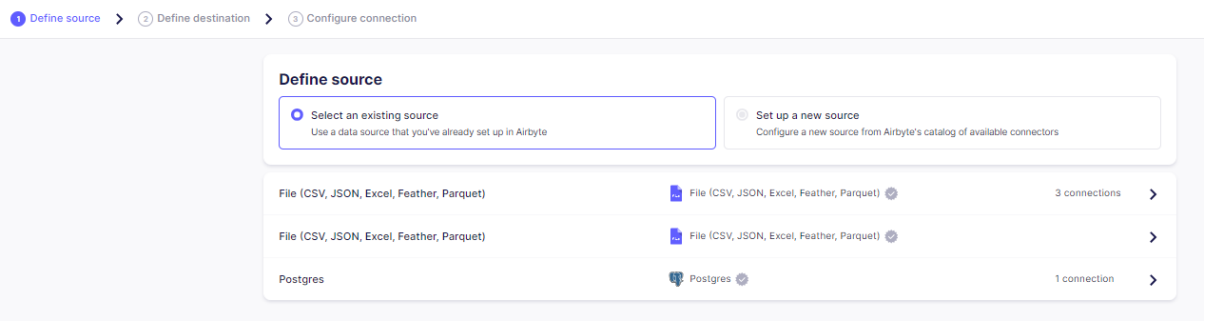
26	146	1	19.8	0	2023-01-01 07:39:24.000 +0700	2	2023-01-01 07:22:31.000 +0700	[NULL]
27	135	1	14.2	0	2023-01-01 08:09:31.000 +0700	2	2023-01-01 07:57:28.000 +0700	[NULL]
28	173	1	19.1	0	2023-01-01 07:53:49.000 +0700	2	2023-01-01 07:35:21.000 +0700	[NULL]
29	216	1	18.4	0	2023-01-01 08:00:53.000 +0700	2	2023-01-01 07:52:52.000 +0700	[NULL]
30	142	1	13.5	2.75	2023-01-01 07:42:53.000 +0700	2	2023-01-01 07:32:56.000 +0700	[NULL]
31	238	1	8	2.75	2023-01-01 07:32:05.000 +0700	1	2023-01-01 07:24:01.000 +0700	[NULL]

Ingest data from Postgresql to Postgresql Citus

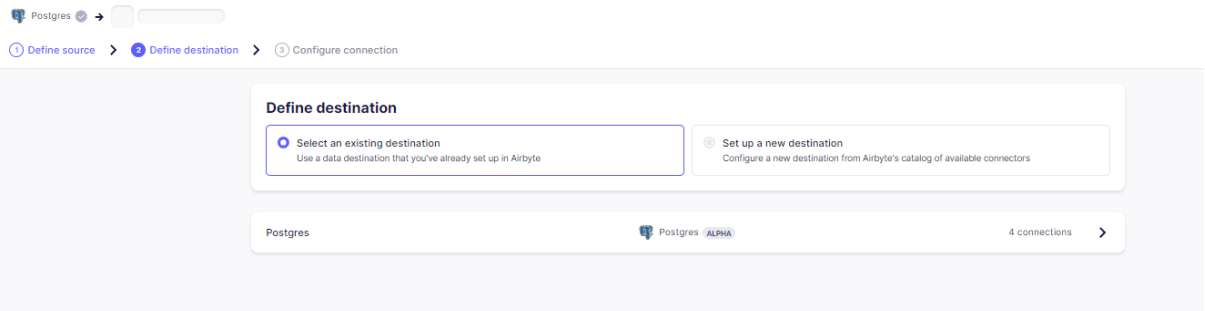
Klik new connection



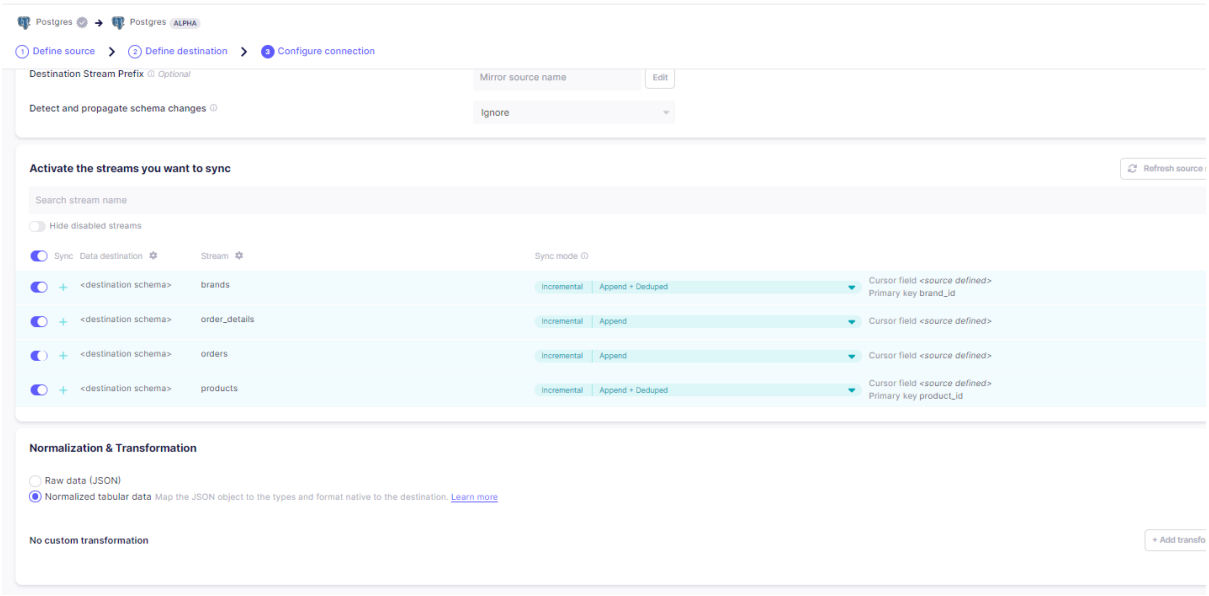
Pilih postgres pada define source

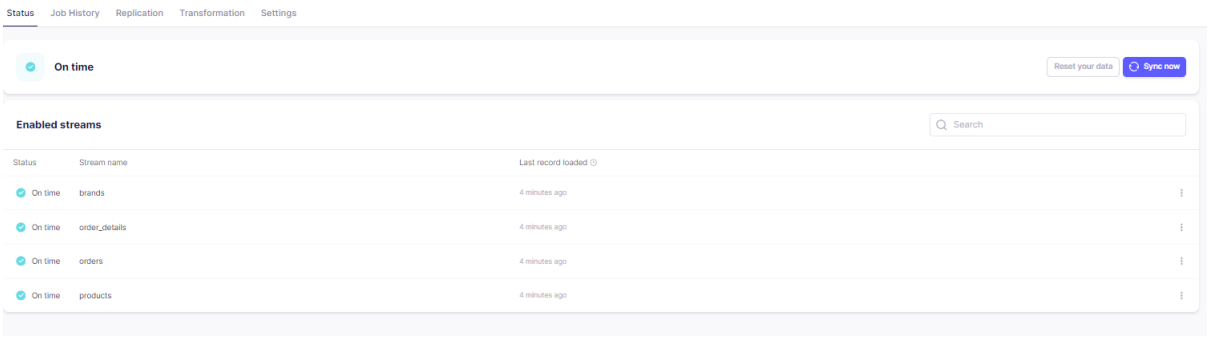


Pada define destination pilih postgres



Pada configuration diatur konfigirasi sebagai berikutm kemudian klik set up connection





Kemudian hasilnya pada database postgres ingested terdapat beberapa tabel.