

DB DB lab2

Database E postgres@localhost postgres@localhost [2] postgres@localhost [2] suspicious_activity_view [postgres@localhost [2]]

WHERE transaction_id from_account_id to_account_id amount_kzt reason

0 rows

Services Database > postgres@localhost [2] > postgres > public > views > suspicious_activity_view

DBlab2

Database Explorer

postgres@localhost

postgres@localhost [2]

public

tables

accounts

audit_log

customers

exchange_rates

salary_batch_log

transactions

materialized views

salary_batch_sur

views

customer_balanc

daily_transaction

suspicious_activi

routes

transactions [postgres@localhost [2]]

salary_batch_summary [postgres@localhost [2]]

customer...ce_summary [postgres@localhost [2]]

daily_tra...ion_report [postgres@localhost [2]]

Tx Auto

DQL

WHERE

ORDER BY

	day	type	total_kzt	tx_count	avg_kzt	running_total_kzt	day_over_day_growth
1	2025-12-12	deposit	150000	2	75000	414800	<null>
2	2025-12-12	transfer	253500	6	42250	414800	<null>
3	2025-12-12	withdrawal	11300	2	5650	414800	<null>

DB lab2

Database Explorer

postgres@localhost

postgres@localhost [2]

public

accounts

audit_log

customers

exchange_rates

salary_batch_log

transactions

materialized views

salary_batch_sur

views

customer_balanc

daily_transaction

suspicious_activ

salary_batch_log [postgres@localhost [2]]

transactions [postgres@localhost [2]]

salary_batch_summary [postgres@localhost [2]]

customer_...ce_summary [postgres@localhost [2]]

WHERE

ORDER BY

customer_id

Full_name

account_number

balance

currency

balance_kzt

total_kzt

used_today

limit_usage_percent

balance_rank

1

10

10

10

10

10

10

10

10

10

1

2

3

4

5

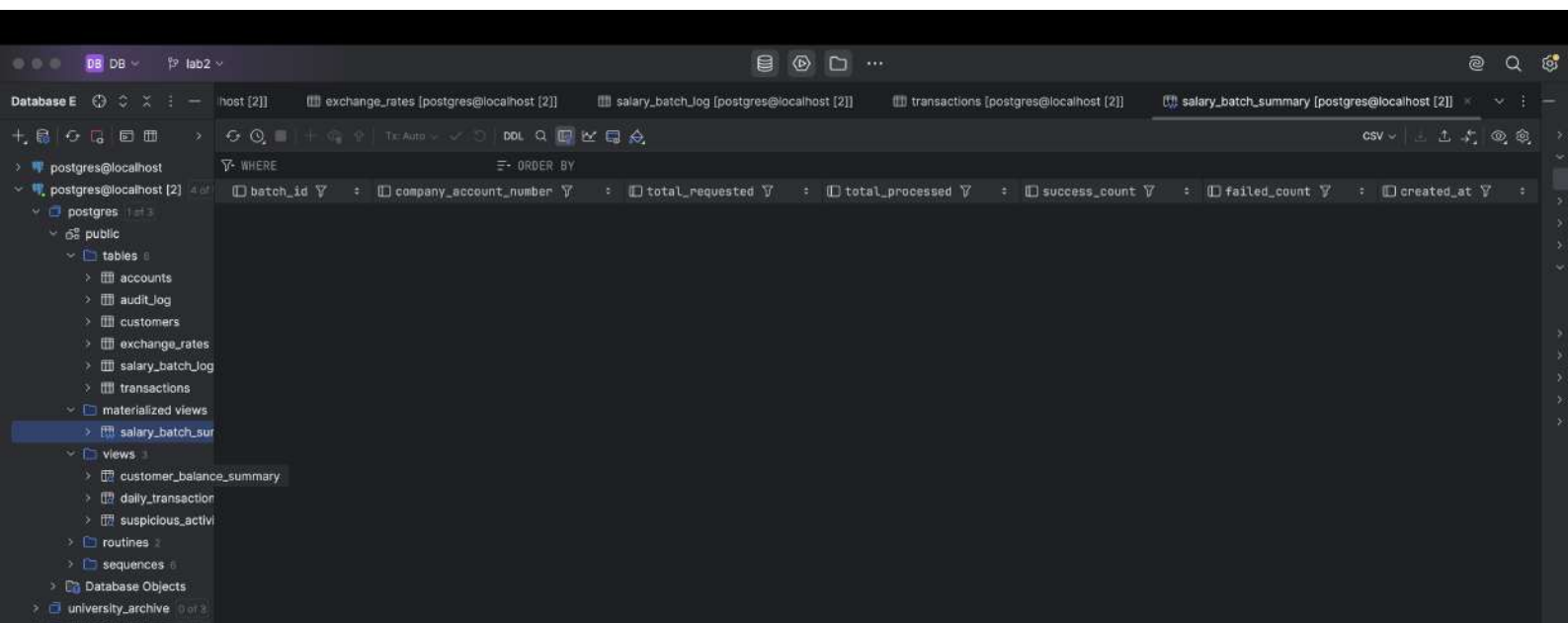
6

7

8

9

10



DB DB lab2									
main.sql accounts [postgres@localhost [2]] audit_log [postgres@localhost [2]] lab.sql									
Tx: Auto DDL									
WHERE ORDER BY									
log_id	table_name	record_id	action	old_values	new_values	changed_by	changed_at	ip_address	
1	customers	1	INSERT	<null>	{ "full_name": "Aidos Nurpeisov" }	system	2025-12-12 15:01:40.993372	127.0.0.1	
2	accounts	1	INSERT	<null>	{ "balance": 150000 }	system	2025-12-12 15:01:40.993372	127.0.0.1	
3	transactions	1	INSERT	<null>	{ "amount": 20000 }	system	2025-12-12 15:01:40.993372	127.0.0.1	
4	customers	3	UPDATE	<null>	{ "status": "blocked" }	admin	2025-12-12 15:01:40.993372	10.0.0.2	
5	accounts	10	UPDATE	<null>	{ "is_active": false }	admin	2025-12-12 15:01:40.993372	10.0.0.2	
6	transactions	6	UPDATE	<null>	{ "status": "failed" }	fraud_bot	2025-12-12 15:01:40.993372	10.0.0.8	
7	customers	5	INSERT	<null>	{ "full_name": "Miras Berik" }	system	2025-12-12 15:01:40.993372	127.0.0.1	
8	exchange_rates	1	UPDATE	<null>	{ "rate": 470 }	system	2025-12-12 15:01:40.993372	127.0.0.1	
9	transactions	9	UPDATE	<null>	{ "status": "pending" }	system	2025-12-12 15:01:40.993372	127.0.0.1	
10	audit_log	1	UPDATE	<null>	{ }	system	2025-12-12 15:01:40.993372	127.0.0.1	

DB lab2									
main.sql accounts [postgres@localhost [2]] audit_log [postgres@localhost [2]] customers [postgres@localhost [2]] lab.sql									
WHERE ORDER BY									
customer_id	iin	full_name	phone	email	status	created_at	daily_limit_kzt		
1	990101123456	Aidos Nurpeisov	+77015555501	aidos@mail.kz	active	2025-12-12 15:01:40.965616	500000.00		
2	010202654321	Dana Akhmetova	+77012223344	dana@gmail.com	active	2025-12-12 15:01:40.965616	300000.00		
3	970303777888	Samat Khasen	+77019998877	samat@mail.kz	blocked	2025-12-12 15:01:40.965616	100000.00		
4	960404112233	Aruzhan Omarova	+77015556677	aruzhan@mail.kz	active	2025-12-12 15:01:40.965616	250000.00		
5	950505998877	Miras Berik	+77017775544	miras@mail.kz	frozen	2025-12-12 15:01:40.965616	75000.00		
6	930606443322	Laura Kaiyr	+77014443322	laura@mail.kz	active	2025-12-12 15:01:40.965616	400000.00		
7	920707111999	Asker Yelaman	+77019997766	asker@mail.kz	active	2025-12-12 15:01:40.965616	600000.00		
8	910808333222	Zhanna Sadyk	+77016665544	zhanna@mail.kz	blocked	2025-12-12 15:01:40.965616	50000.00		
9	900909666111	Nur-Lan Tleu	+77013334455	nurlan@mail.kz	active	2025-12-12 15:01:40.965616	150000.00		
10	891010222333	Amina Ryskul	+77018889977	amina@mail.kz	active	2025-12-12 15:01:40.965616	350000.00		

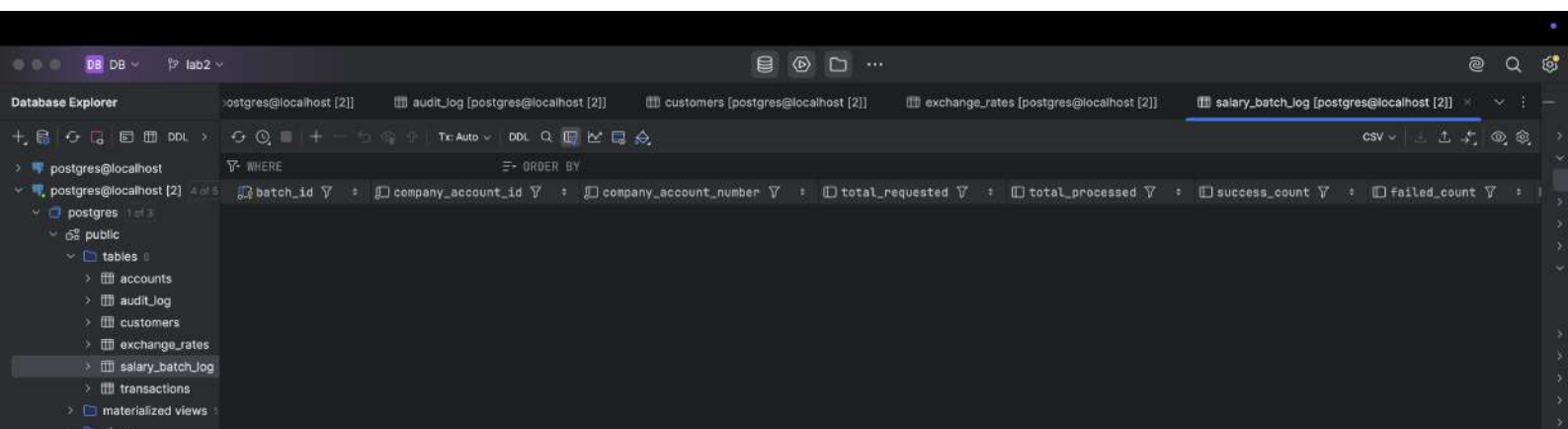
lab2

main.sqlaccounts [postgres@localhost [2]]audit_log [postgres@localhost [2]]customers [postgres@localhost [2]]exchange_rates [postgres@localhost [2]]lab.sql

Tx: AutoDDL

CSV

	rate_id	from_currency	to_currency	rate	valid_from	valid_to
1	1	USD	KZT	470.000000	2025-01-01 00:00:00.000000	<null>
2	2	EUR	KZT	510.000000	2025-01-01 00:00:00.000000	<null>
3	3	RUB	KZT	5.200000	2025-01-01 00:00:00.000000	<null>
4	4	KZT	USD	0.002100	2025-01-01 00:00:00.000000	<null>
5	5	KZT	EUR	0.001900	2025-01-01 00:00:00.000000	<null>
6	6	USD	EUR	0.930000	2025-01-01 00:00:00.000000	<null>
7	7	EUR	USD	1.070000	2025-01-01 00:00:00.000000	<null>
8	8	USD	RUB	92.000000	2025-01-01 00:00:00.000000	<null>
9	9	RUB	USD	0.011000	2025-01-01 00:00:00.000000	<null>
10	10	KZT	RUB	0.190000	2025-01-01 00:00:00.000000	<null>



DB DB lab2													
audit_log [postgres@localhost [2]] customers [postgres@localhost [2]] exchange_rates [postgres@localhost [2]] salary_batch_log [postgres@localhost [2]] transactions [postgres@localhost [2]] lab.sql													
Tx Auto DDL CSV													
WHERE ORDER BY													
		from_account_id	to_account_id	amount	currency	exchange_rate	amount_kzt	type	status	created_at	completed_at	description	
1	1	1	2	20000.00	KZT	1.000000	20000.00	transfer	completed	2025-11-12 11:01:40.985109	<null>	Rent payment	
2	2	2	7	100.00	USD	470.000000	47000.00	transfer	completed	2025-11-12 11:01:40.985109	<null>	Sent dollars	
3	3	3	<null>	50000.00	KZT	1.000000	50000.00	deposit	completed	2025-11-12 11:01:40.985109	<null>	ATM deposit	
4	4	4	1	15000.00	KZT	1.000000	15000.00	transfer	completed	2025-11-12 11:01:40.985109	<null>	Return loan	
5	5	5	<null>	2000.00	RUB	5.200000	10400.00	withdrawal	completed	2025-11-12 11:01:40.985109	<null>	Cash out	
6	6	6	8	7000.00	KZT	1.000000	7000.00	transfer	failed	2025-11-12 11:01:40.985109	<null>	Wrong account	
7	7	7	1	11.00	USD	470.000000	5170.00	transfer	completed	2025-11-12 11:01:40.985109	<null>	Family support	
8	8	8	<null>	100000.00	KZT	1.000000	100000.00	deposit	completed	2025-11-12 11:01:40.985109	<null>	Salary	
9	9	9	2	300.00	USD	470.000000	141000.00	transfer	pending	2025-11-12 11:01:40.985109	<null>	Online purchase	
10	10	10	<null>	900.00	KZT	1.000000	900.00	withdrawal	completed	2025-11-12 11:01:40.985109	<null>	ATM cash	

	account_id ▾	customer_id ▾	account_number ▾	currency ▾	balance ▾	is_active ▾	opened_at ▾	closed_at ▾
1	1	1	KZ123A0001	KZT	150000.00	• true	2025-12-12 15:01:40.974122	<null>
2	2	1	KZ123A0002	USD	1200.00	• true	2025-12-12 15:01:40.974122	<null>
3	3	2	KZ123B0001	KZT	30000.00	• true	2025-12-12 15:01:40.974122	<null>
4	4	2	KZ123B0002	EUR	900.00	• true	2025-12-12 15:01:40.974122	<null>
5	5	3	KZ123C0001	KZT	5000.00	• false	2025-12-12 15:01:40.974122	<null>
6	6	4	KZ123D0001	KZT	98000.00	• true	2025-12-12 15:01:40.974122	<null>
7	7	5	KZ123E0001	RUB	15000.00	• true	2025-12-12 15:01:40.974122	<null>
8	8	6	KZ123F0001	KZT	450000.00	• true	2025-12-12 15:01:40.974122	<null>
9	9	7	KZ123G0001	USD	2000.00	• true	2025-12-12 15:01:40.974122	<null>
10	10	8	KZ123H0001	KZT	1000.00	• false	2025-12-12 15:01:40.974122	<null>