

History mode for databases

A robust view of how your data changes over time

What is history mode?

History mode is our solution for unlocking true time series analysis for your database data. Where enabled, history mode creates a record of every change in your database transaction logs and appends those records to their respective tables so you can easily track changes made to your data over time.



Perform order flow
funnel analysis

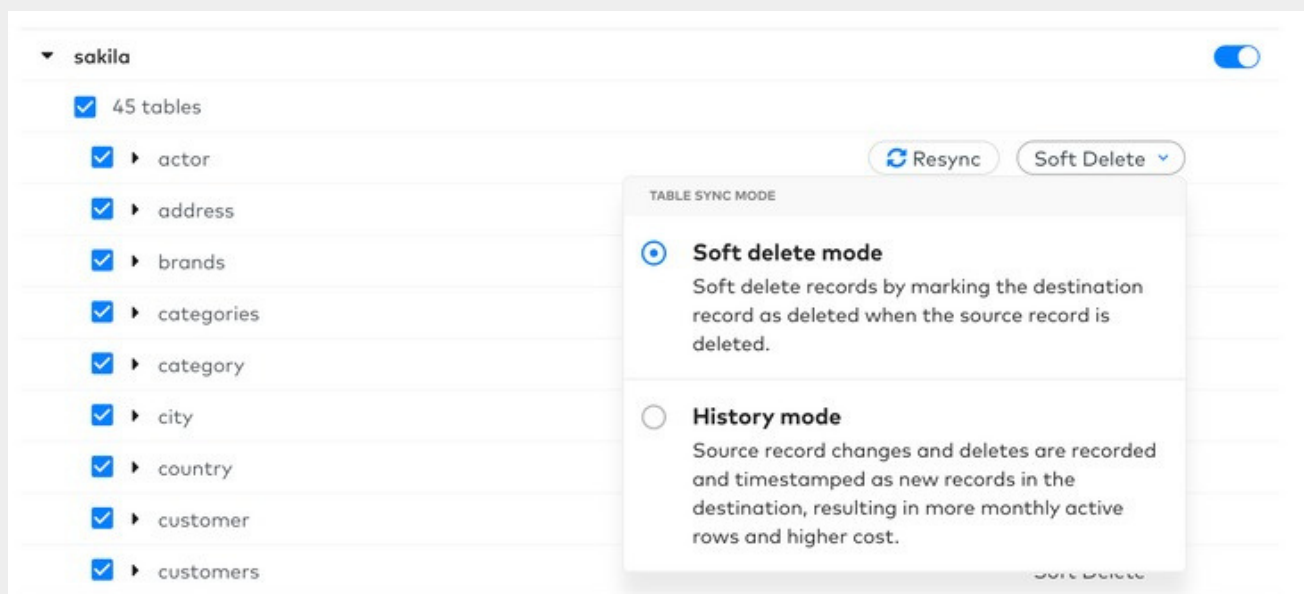


Track product and feature
usage over time



Track user activity and
common workflows

Create a full record of historical changes by hovering
over a table and selecting history mode



Test history mode with any supported source with our 14-day free trial

How it works

- 1 Enable history mode on your desired tables
- 2 Fivetran queries the transaction logs on your database for updates
- 3 Changes are appended to your specified tables, with additional columns for time series tracking

Detailed breakdown

fivetran_active:

Denotes whether the row is the current record (fivetran_active = TRUE)

fivetran_start & fivetran_end:

Indicates when rows were/ are current

How changes are determined:

Transaction logs from respective systems

In the example below, the table is tracking how a particular open order has changed over time. Rows 1 and 2 represent two records of changes made on 2020-01-18 and 2020-01-30. The 3rd row, effective starting on 2020-02-01, indicates the current active order items and value.

order_id	items_set	order_total	fivetran_start	fivetran_end	fivetran_active
123	{212}	\$25.99	2020-01-18 07:51:03 UTC	2020-01-30 22:49:19.999 UTC	FALSE
123	{212, 214}	\$30.88	2020-01-30 22:49:20 UTC	2020-02-01 02:14:44.999 UTC	FALSE
123	{212, 216, 219}	\$60.84	2020-02-01 02:14:45 UTC	9999-12-31 23:59:59.999 UTC	TRUE

"Historically, when the product team has become interested in a new feature, our software engineers have had to find a way to either build out a new log or strong-arm intermediate data changes into our existing logging system. No more. The business systems team now has access to ephemeral, changing datasets effortlessly."

- Beth Mattson, Data Engineer, Field Nation

Supported databases

