

TONalytica: Quickstart

TONalytica is a web-based platform that allows you to query TON blockchain data and aggregate it into beautiful dashboards.

TON are open and transparent, but TVM blockchains are unique—making it difficult to understand, ingest, and aggregate data. TONalytica gives you the proper tools to analyze cross-chain data for different tokens, wallets, and protocols. You can also easily share your work with the community.

Welcome to TONalytica

This guide will help you get started on TONalytica in five minutes. We'll walk you through how to:

1. Query blockchain data
2. Create a visualization
3. Present your data

TONalytica has many more features, but these are the basics you'll need to get started. If you're looking for more advanced guides, check out the [documentation](#).

Prerequisites:

- You'll need to have a TONalytica account to follow along. If you don't have one, you can [sign up here](#). Authorisation exclusively via GitHub.
- We also recommend you have a basic understanding of SQL and Blockchain concepts.

1. Query blockchain data

To query for blockchain data on TONalytica you'll need to:

1. Create a new query
2. Write some SQL
3. Run the query
4. Name and save the query

```
-- DEX stat: unique users overall and swaps per user

select

    platform,

    count(distinct swap_user) as unique_users,

    1.0 * count(distinct msg_id) / count(distinct swap_user) as
    swaps_per_user

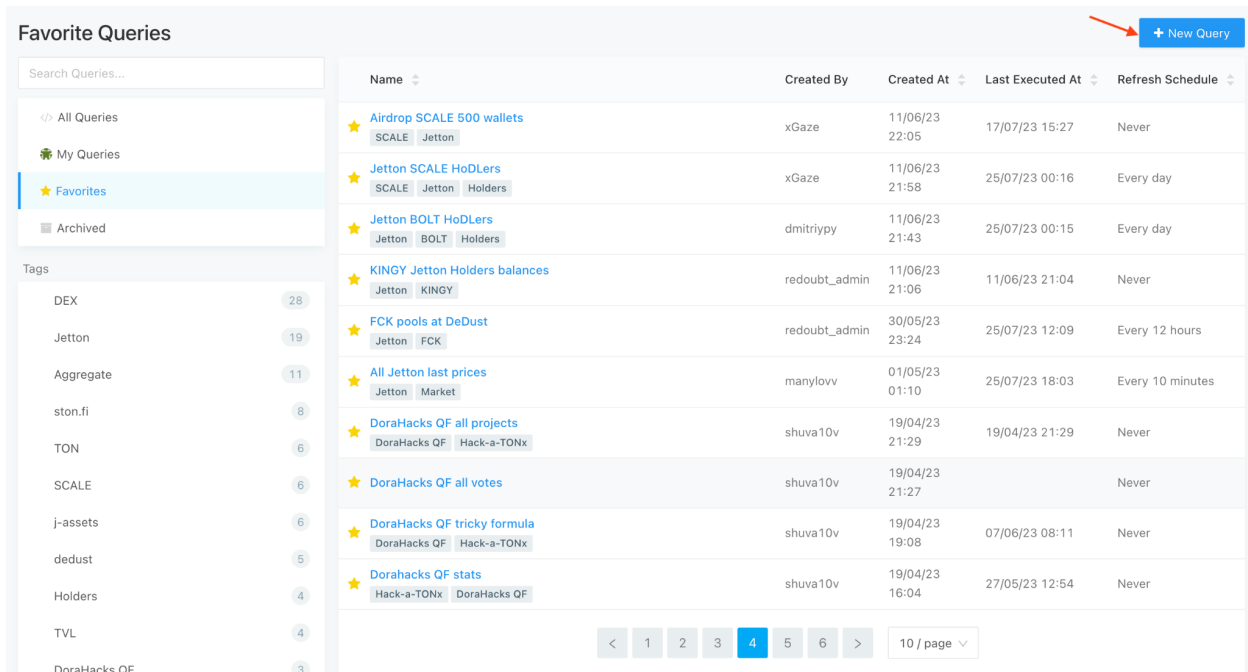
from

    redoubt.dex_swaps

group by

    1
```

[Direct link to query here.](#)



Favorite Queries

Search Queries...

</> All Queries

🌿 My Queries

★ Favorites

📁 Archived

Tags

- DEX 28
- Jetton 19
- Aggregate 11
- ston.fi 8
- TON 6
- SCALE 6
- j-assets 6
- dedust 5
- Holders 4
- TVL 4
- DoraHacks QF 3

Name	Created By	Created At	Last Executed At	Refresh Schedule
★ Airdrop SCALE 500 wallets SCALE Jetton	xGaze	11/06/23 22:05	17/07/23 15:27	Never
★ Jetton SCALE HoDlrs SCALE Jetton Holders	xGaze	11/06/23 21:58	25/07/23 00:16	Every day
★ Jetton BOLT HoDlrs Jetton BOLT Holders	dmitriyp	11/06/23 21:43	25/07/23 00:15	Every day
★ KINGY Jetton Holders balances Jetton KINGY	redoubt_admin	11/06/23 21:06	11/06/23 21:04	Never
★ FCK pools at DeDust Jetton FCK	redoubt_admin	30/05/23 23:24	25/07/23 12:09	Every 12 hours
★ All Jetton last prices Jetton Market	manylovv	01/05/23 01:10	25/07/23 18:03	Every 10 minutes
★ DoraHacks QF all projects DoraHacks QF Hack-a-TONx	shuva10v	19/04/23 21:29	19/04/23 21:29	Never
★ DoraHacks QF all votes DoraHacks QF	shuva10v	19/04/23 21:27		Never
★ DoraHacks QF tricky formula DoraHacks QF Hack-a-TONx	shuva10v	19/04/23 19:08	07/06/23 08:11	Never
★ DoraHacks QF stats Hack-a-TONx DoraHacks QF	shuva10v	19/04/23 16:04	27/05/23 12:54	Never

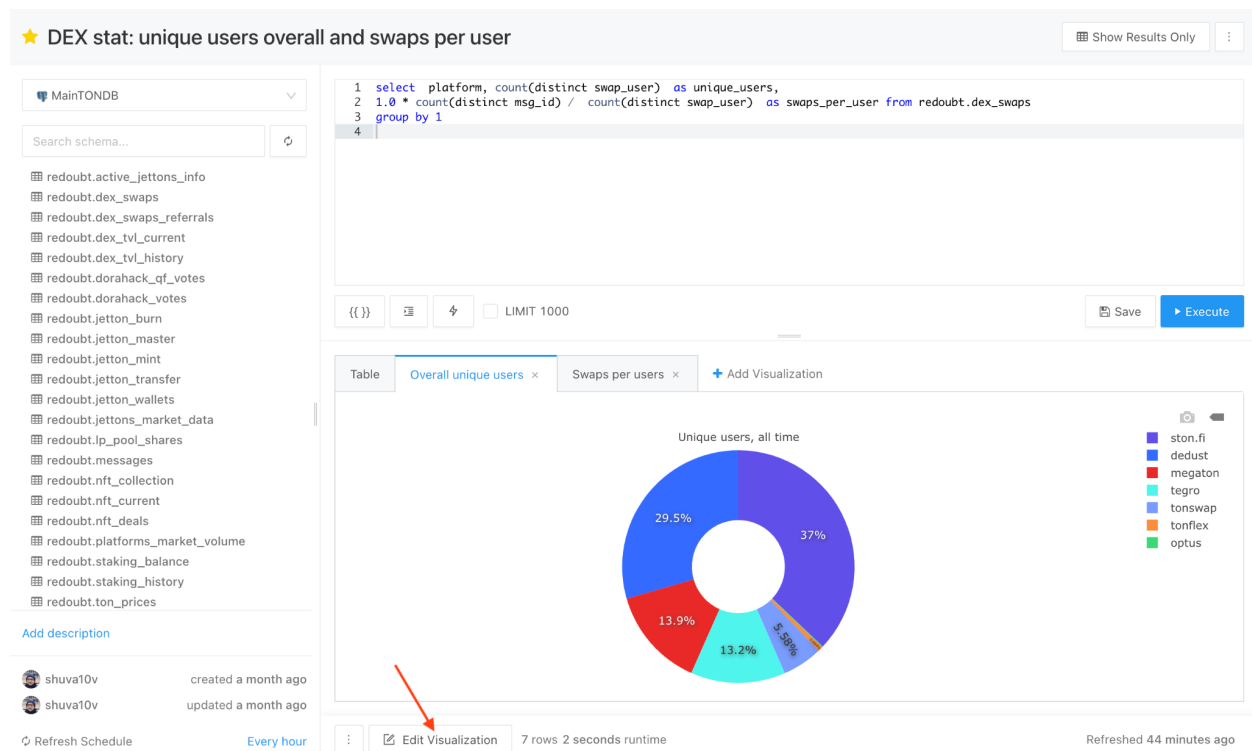
< 1 2 3 4 5 6 > 10 / page

2. Create a visualization

To create a visualization you'll need to:

1. Create a new visualization
2. Select the type of visualization you want to create
3. Choose the data source for the x and y axis
4. adjust the visualization settings

In our example below, we'll create a pie chart to visualize unique users overall across DEXes at moment of time.



[Direct link to pie chart here.](#)

3. Present your data

To present your data you'll need to:

1. Create a new dashboard
2. Add a visualization to the dashboard
3. Adjust the layout of the dashboard
4. Name and save the dashboard

Favorite Dashboards

Search Dashboards...

All Dashboards
 My Dashboards
 ★ Favorites

Tags

- Market 5
- DEX 5
- TVL 5
- Jetton 5
- ston.fi 3
- Aggregate 2
- j-assets 2
- Referral 1
- SCALE 1
- TON 1
- TONGOCHI 1
- Hack-a-TONx 1

Name	Created By	Created At
★ STON, PUNK HoDLers	MaksymDS	17/07/23 20:14
★ Ston.fi Referral program ston.fi DEX Referral Raffle j-assets	shuva10v	12/07/23 17:25
★ SCALE in numbers SCALE DEX dedust	shuva10v	30/06/23 16:28
★ j-Assets farming event June 2023 DEX TVL j-assets	shuva10v	29/06/23 18:35
★ Ston.fi top traders last 7 days DEX ston.fi	shuva10v	29/06/23 00:01
★ DEX Ecosystem key metrics DEX TVL	shuva10v	20/06/23 21:42
★ TOP 15 Jettons by Market Volume Jetton Market	MaksymDS	16/06/23 11:41
★ TOP 15 Jetton Gainers by TVL Jetton TVL	MaksymDS	16/06/23 10:55
★ TVL of FCK pools at DeDust TVL Jetton FCK	MaksymDS	01/06/23 11:54
★ TON/USD CMC price vs. tx fees TON Market	shuva10v	10/05/23 14:36

< 1 2 > 10 / page v

[Direct link to dashboard here.](#)

Recap

Congratulations, you've just queried blockchain data, created a visualization, and presented your data on TONalytica!

You can now share your dashboard with the world.

We'll take care of updating this dashboard whenever somebody looks at it, so you don't have to worry about keeping it up to date.

Links:

Product: <https://tonalytica.redoubt.online/>

Documentation (incl. Python/JS SDK): <https://docs.tonalytica.redoubt.online/>

Python SDK: <https://pypi.org/project/tonalytica-client/>

Dashboards samples: <https://beta.redoubt.online/research>

