

Gnolang Transaction Indexer

How tx-indexer transforms raw blockchain data Into query-friendly structured information

What is a Blockchain Indexer?

Raw Blockchain Data

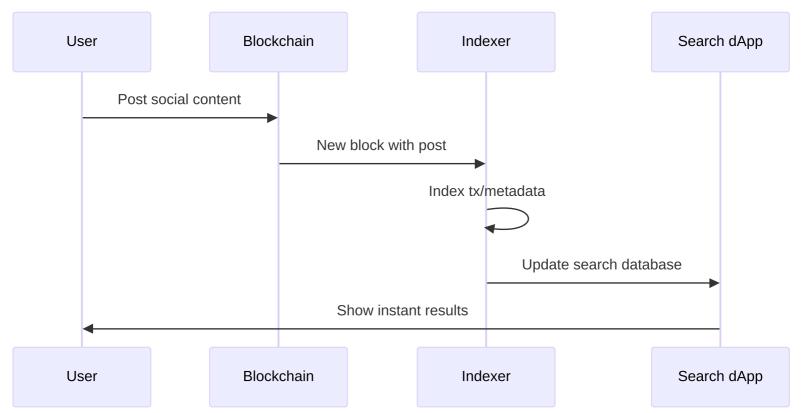
Indexer Transforms Data

```
{
   "address": "g1...xyz",
   "balance": "250ugnot",
   "tx_count": 5,
   "first_seen": "2025-10-01"
}
```

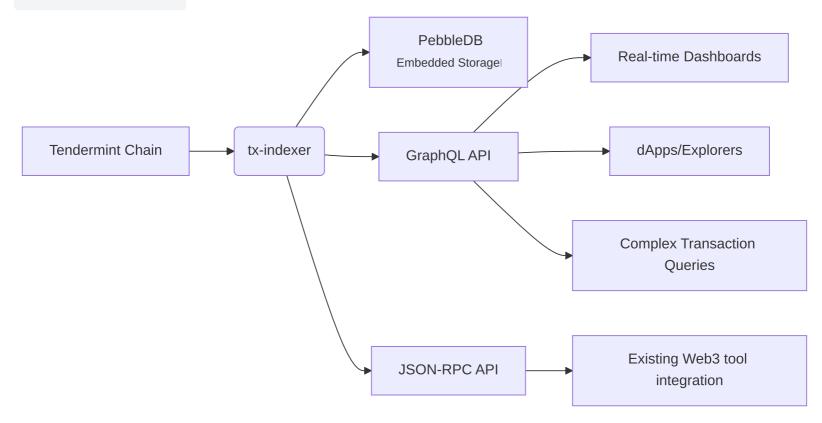
Indexer = Database + Search Engine for Blockchain Transforms raw chain data into query-friendly format



Use Case: Decentralized Social Search



tx-indexer the official TM2 minimalist indexer



High Performance: Concurrent block processing pipeline

Implement data visualizer through tx-indexer

Foo20 - GRC20 basic token visualizer

- 1. Create your GraphQL subscription of foo20's transactions
- 2. Parse out useful metrics (amount transfered, block height, ...)
- 3. Pushes those metrics into your data-base (Like Prometheus)
- 4. Your application (Like Grafana) queries that database to display real-time charts

Implement advanced indexer through tx-indexer

