What is Data Infrastructure?

NEAR offers ready-to-use solutions to access and monitor on-chain data easily. This is very useful to automate actions based on specificevents , cache data toreduce latency , gatherusage data of the blockchain, and evenstudy user preferences .

NEAR offers three main solutions to access and monitor on-chain dataBigQuery Public Dataset ,QueryAPI , andNEAR Lake . Each of these solutions is designed to fit different needs and use cases, and can be used in combination to create a complete data infrastructure for your application.

BigQuery: Public Dataset

A large dataset with on-chain data publicly available on Google Cloud Platform. Obtain near real-time blockchain data using simple SQL queries.All the data, zero setup .

- Instant insights: Historic on-chain data queried at scale. No need to run your own infrastructure.
- Cost-effective: Eliminate the need to store and process bulk NEAR Protocol data. Query as little or as much data as you like.
- As easy as SQL: No prior experience with blockchain technology is required. Just bring a general knowledge of SQL to unlock insights.

QueryAPI: Indexers Made Simple

A fully managed solution to build indexer functions, extract on-chain data, and easily query it using GraphQL endpoints and subscriptions.

- Your data, your way: Decide how you want to store data. Design the tables and databases that better suit your needs.
- Indexers made simple: Create the logic of your indexer and we will execute it for you. Forget about infrastructure—focus on solutions.
- Plug & play to your app: Fetch your data from any application through our API. Leverage GraphQL to query exactly what you need.

NEAR Lake

A solution that watches over the NEAR network and stores all the events for your easy access.

- Cost-efficient solution: Cost-efficient solution for building self-hosted indexers in Rust, JavaScript, Python, Go and other languages
- Streamlined data management: Use NEAR Lake Framework to stream blocks to your server directly from NEAR Lake Edit this page Last updatedonFeb 9, 2024 bygagdiez Was this page helpful? Yes No

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