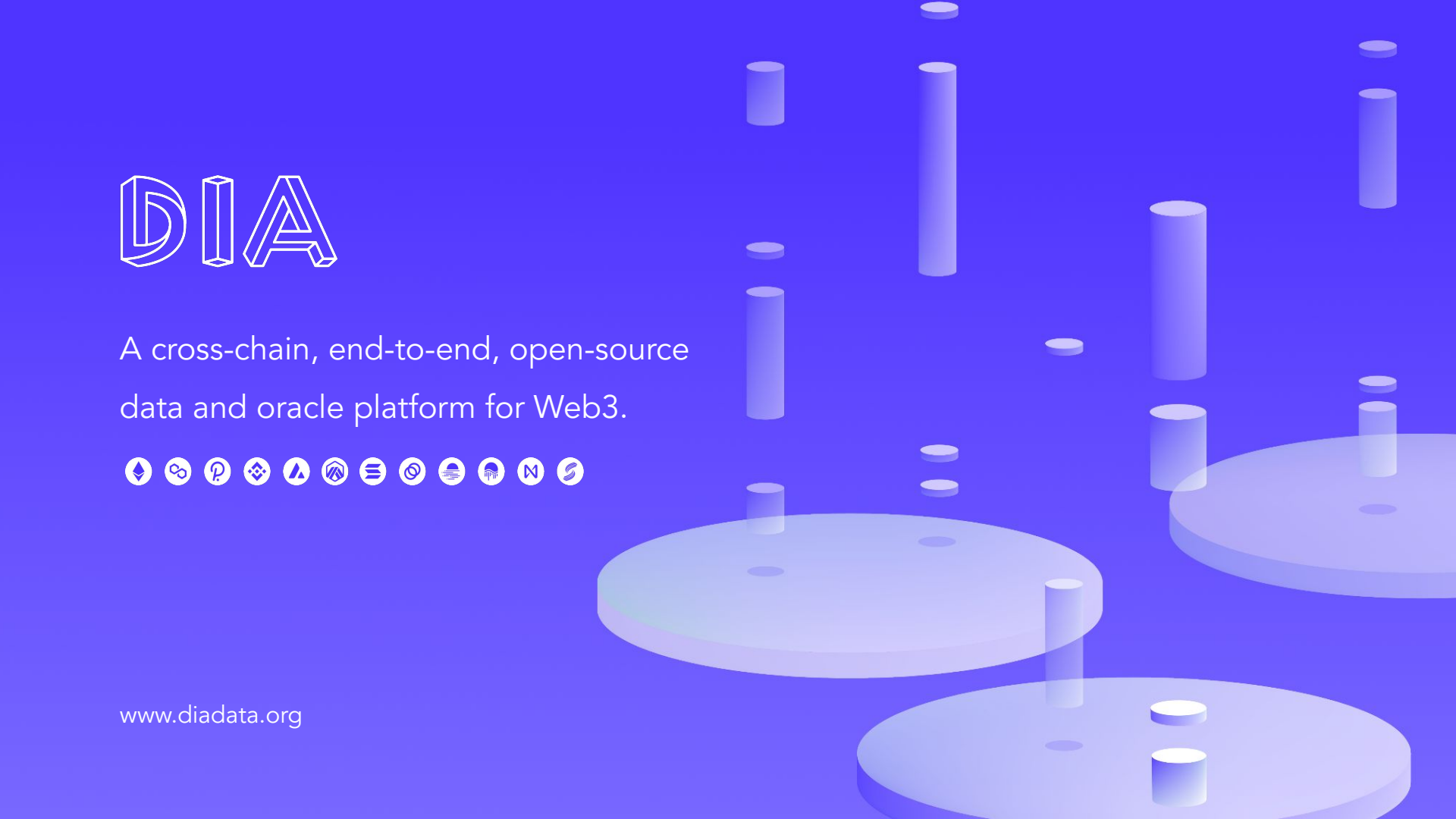

DIA
A cross-chain, end-to-end, open-source
data and oracle platform for Web3.
www.diadata.org

Oracles are the critical middleware in the DeFi and GameFi value stacks

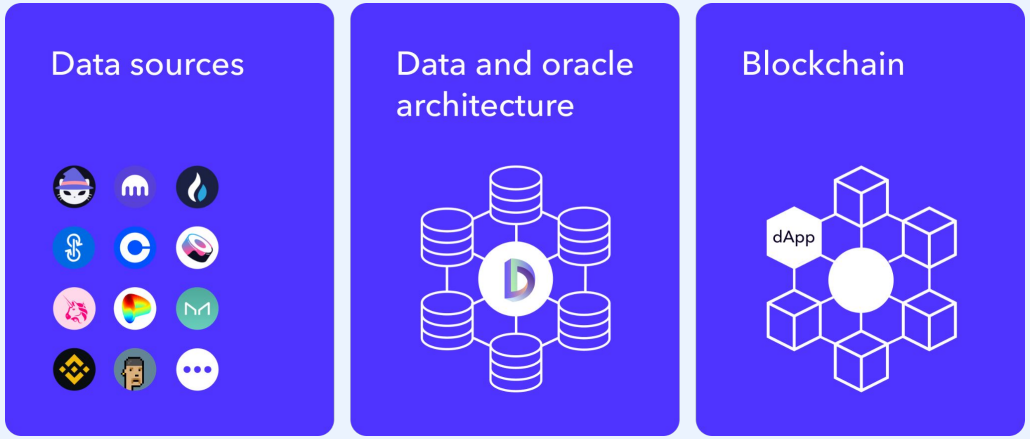
Smart contracts like decentralised financial applications and on-chain games are critically dependent on high quality data like asset prices, verifiably random numbers and more to operate.

Problem 1

By nature, smart contracts can not read data from outside their environment on their own.

Problem 2

With growing asset volumes the conflict of interest of supplying the data yourself grows as well.



Solution 1

An oracle is a piece of software that delivers external data into a smart contract.

Solution 1

Oracles must be operated by trusted third parties and ensure transparency.

Application Examples

DIA is a data and data infrastructure provider that is agnostic to data categories. Currently, the main focus lies on three types of data: Price feeds, indexes and verifiably random numbers.

Standard

Price Feeds

Fully customise which markets are used to create a feed.

Choose all markets to maximise resilience or individual markets to represent a geography or an ecosystem (e.g. Solana only).

MORNINGSTAR Indexes

Indexes

Choose any of DIA's vetted out-of-the-box. methodologies

Users can directly execute volume weighted prices, outlier cleaning and more using one of DIA's standard methodologies

drand

Randomness

Request custom methodologies for any individual use case.

Adjust time windows to reflect desired asset volumes and volatility or request any custom implementation.

DIA covers the data value chain end-to-end, from source to delivery

Sourcing

Native sourcing of single trades from relevant CEXs and DEXs.

DIA also hosts precalculated data from various premium partners.

Processing

DIA's highly granular database enables custom feed creation

Sources, methodologies, markets and more are fully customizable.

Distribution

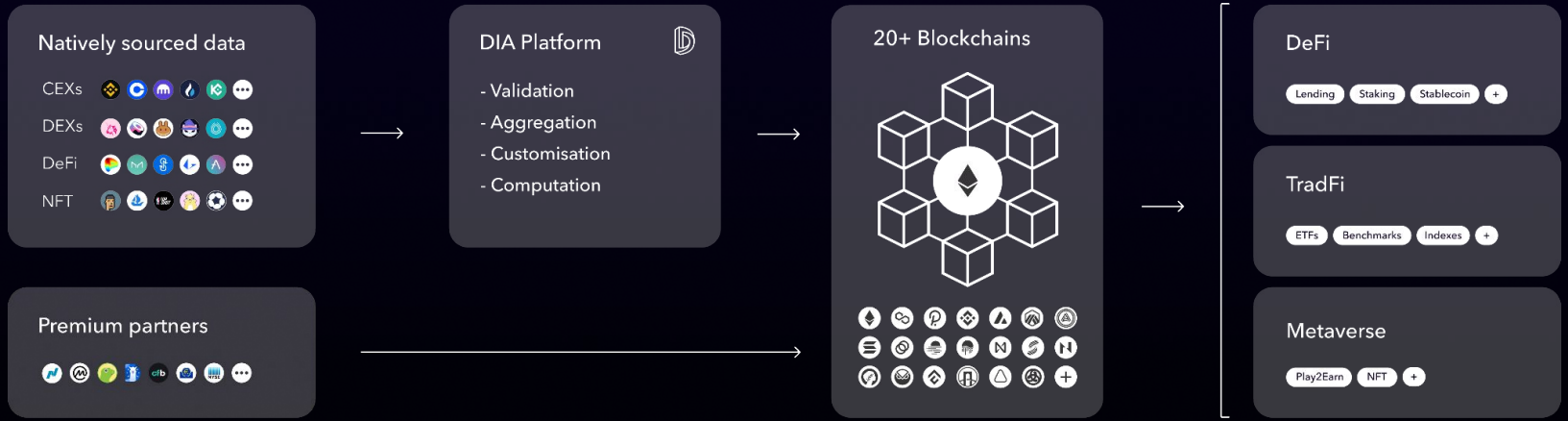
DIA feeds are accessible on all relevant L1 and L2 blockchains.

Additionally, any feed can be accessed off-chain via REST APIs.

Access

DIA's institutional-grade data covers prices, indexes and more.

DIA's database enables various web3 and traditional applications.



Direct sourcing of market data

DIA's direct integration into market places enables single trade sourcing, resulting in a broad and highly granular and customizable data offering.

Multistream Websockets

DIA leverages multiple websocket connections per CEX to source trades.

This redundancy and geographical distribution of sourcing mechanisms is designed to ensure maximum resilience and continuity.

Multifeeder Nodes

A redundant node setup leverages several trusted partners to source DEX data.

This distributed node provider approach mitigates man-in-the-middle attacks and ensures maximum uptime and continuity for decentral data sourcing.

One of the broadest data offerings for Web3 applications

DATA

6k+ digital assets

15m+ trades/day

4bn+ historical trades

SOURCES

24 CEXs

22 DEXs

INTEGRATIONS

20+ Blockchains

Fully customizable data feeds

Based on billions of individual trades, DIA enables tailored, use case specific data feeds to ensure the highest possible accuracy, resilience and transparency on the sources and processing of the data.

Markets

Fully customise which markets are used to create a feed.

Choose all markets to maximise resilience or individual markets to represent a geography or an ecosystem (e.g. Solana only).

Methodologies

Choose any of DIA's vetted out-of-the-box methodologies

Users can directly execute volume weighted prices, outlier cleaning and more using one of DIA's standard methodologies.

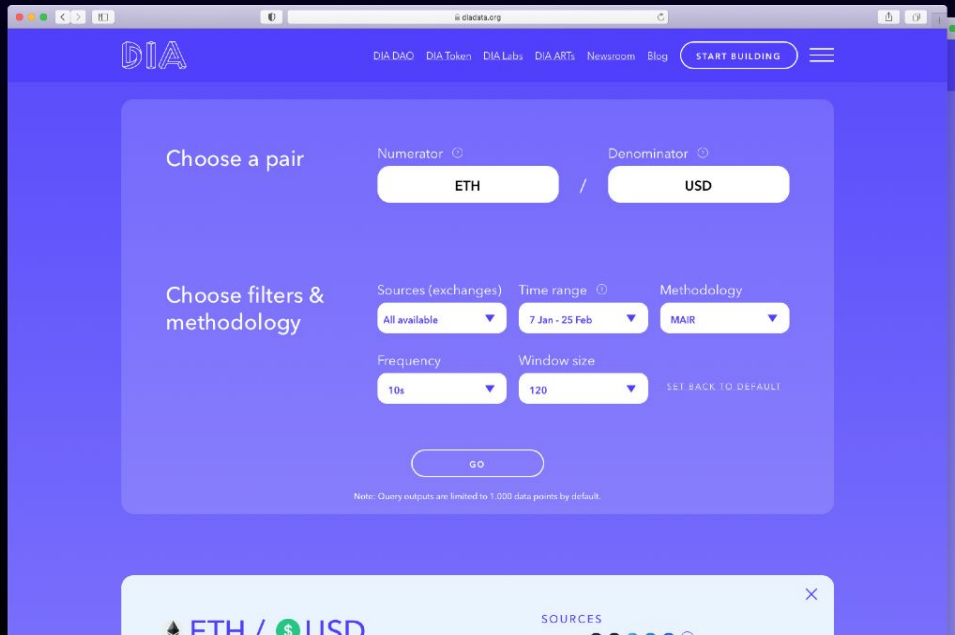
Custom attributes

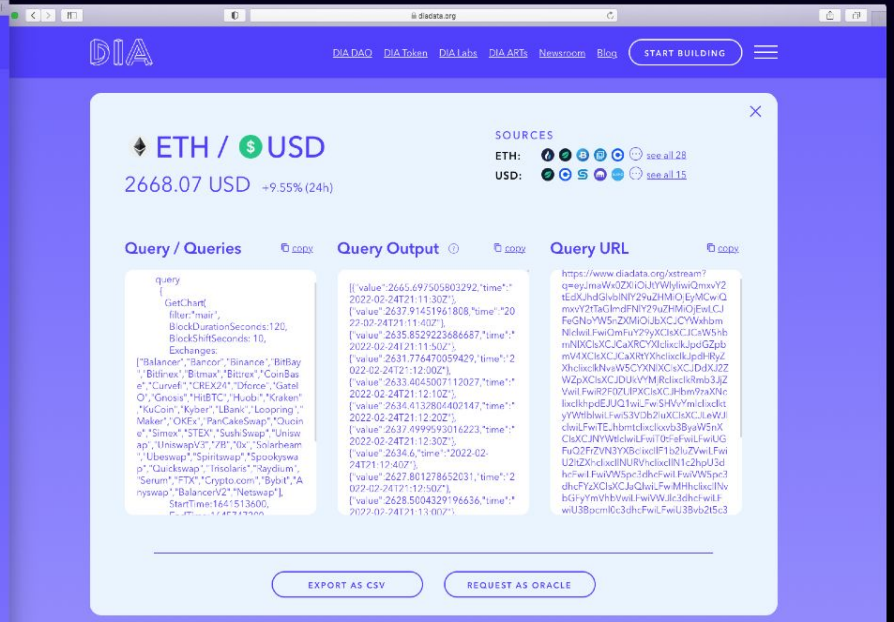
Request custom methodologies for any individual use case.

Adjust time windows to reflect desired asset volumes and volatility or request any custom implementation.

DIA xStream | Custom Data Feeds

Price feeds can be directly requested from DIA's developer team or custom built on the DIA website using DIA's feed builder tool 'xStream'.





Premium feeds from DIA's trusted partners

DIA acts as a connectivity layer for high relevance data sources that pre-aggregate market data. The ecosystem of premium data sources that can be accessed via DIA is constantly growing and adheres to the highest quality standards.

Coingecko

DIA provides the rich dataset from Coingecko through its oracles.

E.g: Trending Coins

Defillama

Defillama's comprehensive DeFi metrics like TVL and more.

E.g.: Protocol TVL

CF Benchmarks

CF Benchmarks' regulated indices on-chain for DeFi use cases.

E.g: $SOL index

ECB

ECB's daily overnight FX rates can be accessed off- and on-chain.

E.g: EUR/ USD rate

More

Present across all ecosystems and easy to integrate

DIA enables users to select how they ingest data using multiple delivery methods present on a constantly growing L1 / L2 ecosystem, powered by a network of strong industry partners.

DIA xNode On-chain data delivery

Oracles can be customised to trigger updates based on:

Request

Updates triggered via dedicated smart contract or API call.

Time

Updates triggered in predefined time intervals.

Deviation

Updates triggered by deviation from last reported value.

Data feeds are delivered through the DIA oracle node network

DIA xBase Off-chain data delivery

Data can be delivered off-chain via:

Rest API

Delivers data feeds in a predefined, standardised format:

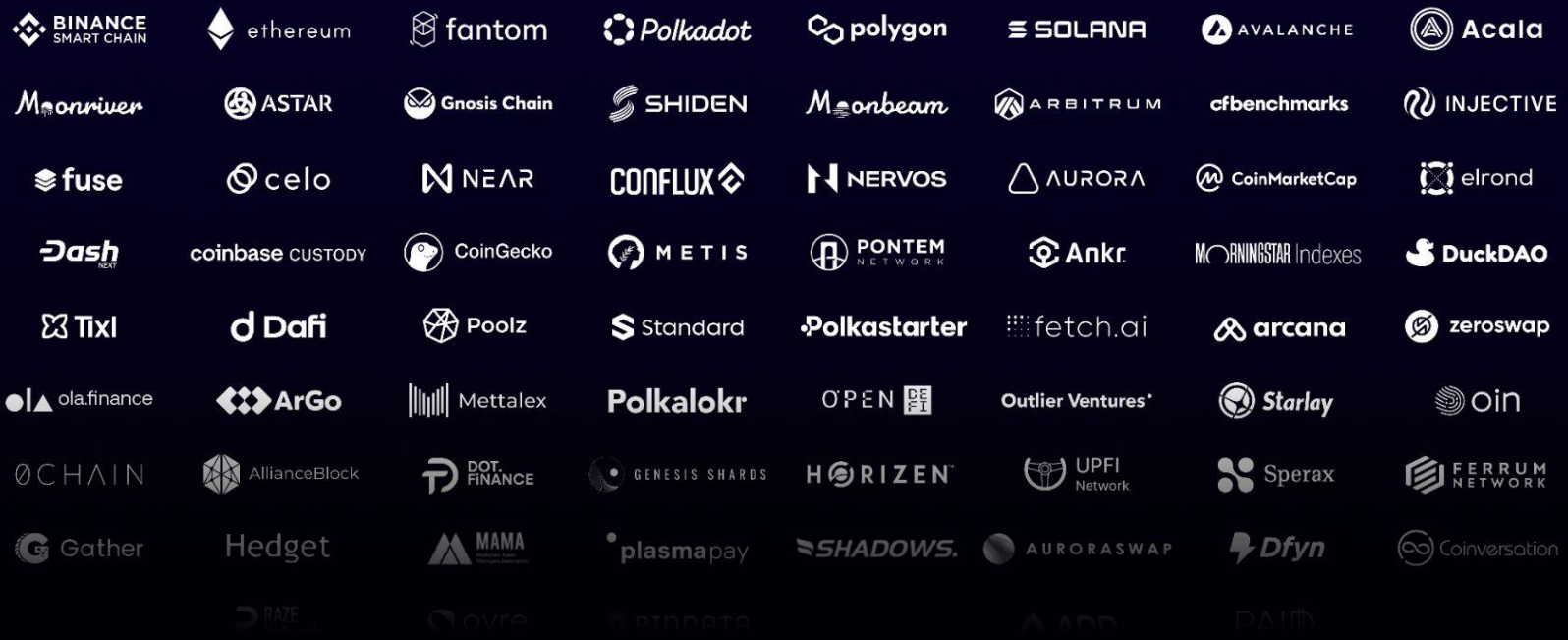
- Update frequency: 120s
- Methodology: MAIR
- Sources: all available

GraphQL

Enables more flexibility and direct adjustment of feed attributes:

- Update frequency: custom
- Methodology: custom
- Sources: custom

Trusted by a growing ecosystem



100+ Web3 and TradFi projects

Learn more about the DIA platform

Oracle documentation

Get an overview of DIA oracles and understand how to use them for your smart contract.

API documentation

Get an overview of the DIA API endpoints and references.

Developer tutorials

Learn how to use the DIA code base and any tutorials for integration.

Talk to us

Talk to a team member and tell us about your specific data needs.

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