



XE Blockchain

Litepaper

Overview

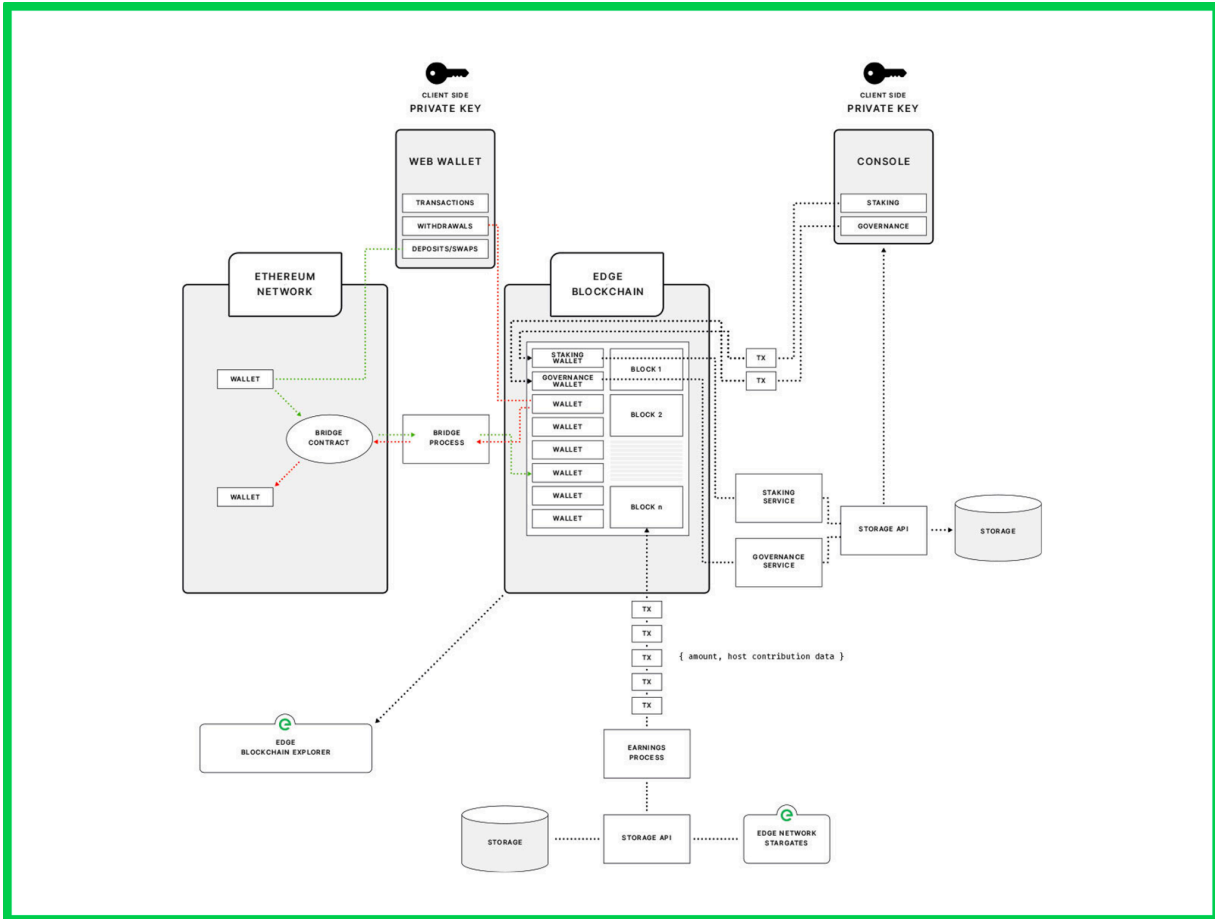
The blockchain at the heart of the network records device usage and value attribution. It uses an internal token called \$EDGE, run on the XE Blockchain, which is a layer 1 solution that provides fast transfers within the network that are fee free for value attribution. The XE Blockchain includes bridging functionality that allows the coin to be bridged into other networks. In this way the token can be converted to \$EDGE on the Ethereum network (and in time to any other network).

The genesis transaction for the XE Blockchain is imprinted with the project's mission: **The Internet Belongs to Everyone**

Architecture

The XE Blockchain runs across a number of geographically distributed interconnected self-healing XE nodes and features a rich transaction layer with a target block time of one minute.

Wallets are secured using secp256k1 keypairs and can contain both liquid and staked \$EDGE. Staking and governance are first-class features, supported natively in the blockchain.



XE nodes also provide rich transparency with a full set of publicly available API endpoints:

Endpoint	URL
Block	https://api.xe.network/block/:ref Provide block number of hash as reference (:ref)
Block parent	https://api.xe.network/block/parent/:hash Provide block hash as reference (:hash)
Blocks	https://api.xe.network/blocks
Latest block	https://api.xe.network/blocks/tip
Latest blocks	https://api.xe.network/blocks/latest
Genesis block	https://api.xe.network/blocks/genesis
Block history	https://api.xe.network/blocks/history Provides a stripped down list of block hashes and numbers

Transactions	https://api.xe.network/transactions/:address? Optionally provide a wallet address to filter transactions
Pending txs	https://api.xe.network/transactions/pending/:address? Optionally provide a wallet address to filter transactions
Submit tx	https://api.xe.network/transaction POST transactions to this endpoint
Stake	https://api.xe.network/stake/:ref Provide stake reference as :ref
Wallet stakes	https://api.xe.network/stakes/:address/:transaction? Provide wallet address to list stakes, optionally filter by tx
Proposal	https://api.xe.network/proposal/:hash Provide proposal hash as :hash
Wallet proposals	https://api.xe.network/proposals/:address/:transaction? Provide wallet address to list proposals, optional tx filter
Wallet information	https://api.xe.network/wallet/:address Show wallet information for address
Global vars	https://api.xe.network/vars

The XE Blockchain has its own web wallet. Bridged \$EDGE can be used in any wallet supporting ERC-20 tokens. Open source libraries for interacting with XE are available, including:

- <https://github.com/edge/xe-utils>
- <https://github.com/edge/wallet-utils>
- <https://github.com/edge/index-utils>

Explorer

As its own blockchain, XE has its own explorer. This is powered by an API at the heart of the blockchain that securely exposes endpoints for blocks, transactions and wallets.

The explorer can be used to explore blocks and transactions, stakes, nodes and node activity. It provides a visual view of the nodes powering the network, enabling the exploration of devices, their contribution to the network and their earnings on the back of completed jobs.

The explorer includes functionality to identify named and trusted wallets. These are wallets that are under the control of the network

and the core team, and that are linked to from within the Community Wiki. Trusted wallets are identified with a green check mark within the explorer.

Explorer: <https://xe.network>

Source code: <https://github.com/edge/explorer>

XE web wallet

XE has its own network native client-side wallet. This is a JavaScript app that runs entirely in your local browser.

The web wallet provides the ability to generate and restore XE wallets, view your transaction history, make transactions within the XE network, bridge between networks and stake \$XE against network nodes.

XE web wallet: wallet.xe.network

Source code: <https://github.com/edge/wallet>

Roadmap

The XE Blockchain has its own roadmap that includes a broad set of new functionality designed to foster the growth of an ecosystem around the project.

The future approach for XE can be broadly considered as an evolution into radically simplified general purpose blockchain. Where Ethereum has smart contracts, Edge will have a series of set functions that enable 99% of the core requirements for the majority of blockchain-backed projects.

The roadmap includes, but is not limited to, the following:

- The full open sourcing of the XE Blockchain;
- The ability for anyone to run an XE full node or an XE Index node;
- The addition of token support, enabling third party projects to mint their own coins on top of XE and to run their own DAOs through Open Governance;
- The addition of fractional ownership;
- The introduction of variable fee support;

- The ability to create short names for wallets (for example `xe.me/chris`);
- And the addition of multisig wallet support.