AURORA

Aurora is a product that helps Ethereum users and dApps to easily move to NEAR blockchain. It allows to do two distinct things: upload and interact with Solidity smart contracts on NEAR blockchain and move assets from Ethereum to NEAR (including ERC-20 tokens).

FEATURES

Throughput

Aurora allows for approx x10 increase in transaction throughput comparing to Ethereum. This later can be horizontally scaled via NEAR's dynamic sharding algorithm.

Fast confirmations

Transaction execution takes only 1-2 seconds in Aurora, which is much better than unexpected a much longer transaction execution time in Ethereum.

x1000 reduction in gas costs

Aurora offers much lower gas costs comparing to Ethereum. Gas costs will remain capped (will not grow to infinity) by design of NEAR blockchain. Average transaction execution cost is around $0.01

Trustless bridge

Aurora implements a trustlest bridge to Ethereum, which allows to transfer any data between Ethereum and Aurora, including ERC-20 tokens (already available), NFTs, contract calls and contract state (in development).

Full compliance with Ethereum 1.0

Neither developers, nor users need to use any additional tools or tokens to work with Aurora. All the exesting tools are compliant with Aurora, including Metamask, Hardhat, Truffle, etc... Moreover, Aurora base token is ETH, users and devs are not forced to buy any additional unnecessary tokens.

USABILITY

FOR USERS

1. Bridge assets to Aurora:

- Go to Aurora web-site
- Log in with Metamask or other wallets that supports custom Ethereum networks (an Aurora network will be added automatically)
- Send your assets to Aurora (using the UI), including ETH to pay for transactions in Aurora

2. Use any dApp

(integrated with Aurora) with your wallet absolutely the same way how you use it with Ethereum.

FOR DEVELOPERS

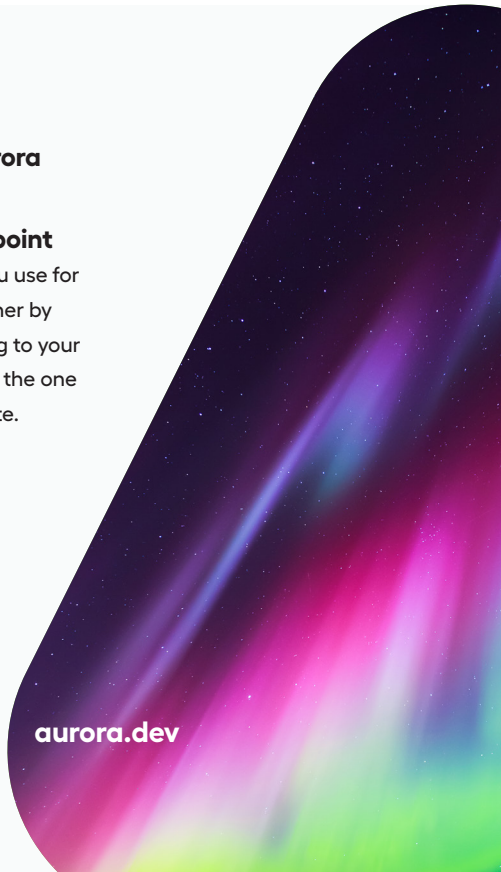
1. Send some ETH to Aurora

using the Aurora FE.

2. Change the RPC endpoint

of Ethereum in the tools you use for development (provided either by Infura / Alchemy or pointing to your own full Ethereum node) to the one available on Aurora web-site.

3. Work as you used to.



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aurora.dev