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Abstract:

High gas rates on Ethereum make many applications more difficult to use. This includes DeFi applications, especially DEX like Uniswap and others. Often times, fees can overshadow actual trade amounts and can limit a trader's ability to take advantage of opportunities. Trading on xDai allows users to make many trades or create many positions, without the prices of the fees limiting the number of trades.

Audit

<https://blockscout.com/xdai/mainnet/tokens/0x90D1d583D248A813bA950892cB2242846EA9ed02>

Ecocistem Blackinside in
xDaiChain

Projects & DApps

 A list of applications using xDai is catalogued below.

For more details on specific apps, we highlight some in this Projects & DApps section. See the site menu for more.

xDai Stable Chain is an EVM-compatible Ethereum Sister Chain. This means any Smart Contract or DApp deployed on Ethereum can also be deployed on xDai with minimal changes. Developers and projects can deploy and/or migrate to xDai to realize big cost savings and escape congestion. Forks of popular projects are also deployed on xDai to take advantage of stable network mechanics, speed and low transaction costs. Applications can move completely to xDai, or live on multiple networks at once, serving different audiences and experimenting with different modes of operation and cross-chain interoperability.

Partnerships

Infrastructure

DeFi

Community

Prediction Markets

Governance

NFTs

DAOs

-
- [Gnosis Safe Multisig](#), a wallet holding more than \$1 Billion in assets [xDai](#)
 - [Gnosis Safe Implementation](#)
 - [Conditional tokens framework](#), built on by prediction markets [Omen](#) and [Polymarket](#).
 - [Gnosis Auction](#): Batch auctions for token sales, collateral shortfall events and more.
 - ♦ [Chainlink](#): Native Oracle Integration
 - ♦ [HOPR](#): Incentivized testnet for privacy-based mixnet [Ramp](#)
 - ♦ [Network](#): xDai Fiat Gateway. [More info here](#).

Infrastructure

- ♦ [1Hive](#): DAO with a Community Currency & DEX on xDai
 - [Aragon Connect](#): Deployed by 1Hive, provides DAO governance and proposal functionality.
- ♦ [RaidGuild](#):

- **WrapEth**: xDai wrapper to convert native xDai to wrapped wxDai
- **Sablier**: Streaming money
- ♦ **ARTIS Bridge**: A TokenBridge implementation connecting the **ARTIS** and xDai chains.
- ♦ **Colony**: DAO framework: Organization tool for DAOs
- ♦ **Origin Trail**: Universal, collaborative and trusted data exchange for supply chains. [More info](#)
- ♦ **Streamr**: Real-time data streams with scalable crowdsourced data sets.
- ♦ **Orchid**: Pay-per-use VPN

DeFi

- ♦ **Honeyswap**: xDai Dex (Uniswap fork)
- ♦ **Perpetual Protocol**: Democratizing Futures and other derivatives. [Learn more about why they chose xDai.](#)
- ♦ **SushiSwap**: Cross-chain Dex
- ♦ **BaoFinance**: Stake Sushiswap and Baoswap LP tokens to earn BAO.
- ♦ **Component Finance**: Stable Coin Swap
- ♦ **Xion Finance**: Earn Interest and trading fees with a one-click interface.
- ♦ **Dmex**: Decentralized Derivatives Exchange
- ♦ **Unicrypt**: Yield Farming, Presale Platform and Liquidity Token Locker.

- ♦ **DeFi Wizard:** DeFi Smart Contract Building Platform
- ♦ **pNetwork:** Cross-chain pBTC.
- ♦ **Deus:** Stock and Commodities trading
- ♦ **Hedgey Finance:** Decentralized Financial Derivatives Protocol
- ♦ **Agave:** DeFi Lending Protocol (coming soon)
- ♦ **LevinSwap:** DEX on xDai, includes RealT liquidity.
- ♦ **DeBank:** DeFi Dashboard
- ♦ **MixSome:** DeFi Yield Flows
- ♦ **Swapr:** Governance enabled AMM from DXdao.

Community Engagement

- ♦ **POAP:** Proof of Attendance Protocol (NFTs). **More on xDai integration.**
- ♦ **Grassroots Economics:** Community Currencies in Kenya
- ♦ **Galt Project:** DAO governance, UBI
- ♦ **KickBack:** Event Management and RSVP accountability
- ♦ **EthicHub:** Loans for small farmers
- ♦ **Coinosis:** Incentivized study groups
- ♦ **clr.fund:** Decentralized Quadratic Funding
- ♦ **Chievmint:** Community Achievement awards (NFTs)
- ♦ **Giveth:** Community Philanthropy and Donation Platform

Prediction Markets

- ♦ **Omen Prediction Market** (need web3 wallet enabled, or use a mobile wallet like Alpha or Status): Bet on existing markets or create new ones with xDai or STAKE.
- ♦ **Reality Cards:** NFTs for prediction voting

Governance

- ♦ **Daohaus:** No code platform for launching magic internet communities
- ♦ **PowerPool:** Pooling governance tokens
- ♦ **Unit Protocol:** Decentralized borrowing with multi-token collateral
- ♦ **The Commons Stack:** Conviction voting
- ♦ **Vocdoni:** Secure digital voting
- ♦ **Akropolis:** DeFi governance with Delphi

NFT-based projects

- ♦ **NFT Marketplaces**
 - **Cargo**: Create, share, sell and buy digital collectibles
 - **Unique.one**: NFT Marketplace
 - **Eporio**: NFT Marketplace
 - **Unify**: NFT project hub for custom farms and collections.
 - **Foundation**: Emerging artist marketplace, v1 built on xDai. [More on their xDai Integration](#).
 - **Fraction.art**: Crowdsale platform for fractionalized art
- ♦ **Nifty.Ink**: Create, send and bridge artistic NFTs
- ♦ **Chievmint**:
 - ♦ The Ministry for Minting Achievements
 - ♦ **Shenanigan**:
 - ♦ Grassroots athletic sponsorship
 - ♦ **GitCoin**: Kudos minted on xDai.
 - ♦ **BeyondNFT**: Generative NFTs
 - ♦ **NiftyChess**: Preserve chess boards as NFTs
 - ♦ **Unique Bubbles**: Limited, unique and personalized NFTs created and owned by the community
- ♦ Projects that use xDai for NFT minting include **POAP**
 - **Reality Cards**

DAOs

- ♦ **LexDAO**: The decentralized legal engineering guild.
- ♦ **RaidGuild**:
 - ♦ Slaying your web3 product demons.
- ♦ **ChievDAO**: Recognizing creators in the DAO and the wider Ethereum ecosystem.
- ♦ **The ShillShop**: We Provide marketing, community, and content.
- ♦ **Defiant Pixel Society**: The Defiant Pixel Society is a secret organization dedicated to creation with a focus on NFTs, DeFi, and DAOs.
- ♦ **FacebookFly**: Bringing DAOs to Facebook.
- ♦ **PrinterDAO**: Decentralized platform to access large scale printing.
- ♦ **Stakehaus**: By and For the xDai Community.
- ♦ **PrimeDAO**: Builder collective committed to systemic DeFi advancement.
- ♦ **DXdao**:
 - ♦ A sovereign collective bringing decentralization to DeFi.

Universal Basic Income (UBI), Payments & Streaming Income

- ♦ **Circles:** A basic income on the blockchain
- ♦ **Sablier:** Streaming money
- ♦ **Superfluid:** Programmable cashflows
- ♦ **Request Network:** Crypto payments and invoices
- ♦ **Smart Invoice:** Transparent invoice escrow

Analytics

- ♦ **DuneAnalytics:** Cross-chain dashboard creator.
- ♦ **Dappquery:** Smart Contract dashboards, metrics and visualizations.
- ♦ **Tenderly:** xDai transaction inspection - smart contracts can also be pushed to the dashboard for real-time monitoring.
- ♦ **Chainbeat:** Monitoring and analytics tools for DApp developers.

Games

- ♦ **Darkforest:** zkSNARK space warfare game.
- ♦ **Galleass:** Decentralized resource management game.
- ♦ **Slugroad:** Simple take the wheel game.
- ♦ **GUSTakes:** Stake xDai on Gods Unchained matchups.
- ♦ **FunFair**
- ♦ **Labs:** Payloads on xDai

More

- ♦ **0xMonero:** Privacy tokens with zk-SNARKs and 0xMixer.
- ♦ **Dollarcake:** Youtube crypto rewards.
- ♦ **LinkDrop:** Airdrops & new user onboarding.
- ♦ **Etherisc:** Decentralized Insurance.
- ♦ **MintGate:** Tokenized Content Protection.
- ♦ **RealT:** fractionalized real estate investing.
- ♦ **MtPelerin:** asset issuance and management.
- ♦ **SmokeSignal:** Decentralized Messaging Platform
- ♦ **CardStack:** Card Pay crypto payment and reward network
- ♦ **PoolTogether:** No-loss savings games

Connecting with MetaMask

1) Select the MetaMask option in the connect wallet menu. Check that the correct MetaMask account is active and connected to the xDai Network.

The image shows the MetaMask interface with the 'Networks' menu open. A red arrow points to the 'Main Ethereum Network' dropdown at the top. Another red arrow points to the 'Custom RPC' option at the bottom of the network list. The 'Custom RPC' option is selected, and the configuration form on the right is displayed.

Networks

The default network for Ether transactions is Main Net.

- ✓ Main Ethereum Network
- Ropsten Test Network
- Kovan Test Network
- Rinkeby Test Network
- Goerli Test Network

History ○ Localhost 8545

#118 - 4/6/2020 at 13:53
xDai Transfer -0 ETH
- \$0.00 USD

#117 - 3/30/2020 at 09:46
Sokol Testnet -0.001 ETH
- \$0.15 USD

#116 - 3/30/2020 at 09:46
Custom RPC

Network Name
xDai

New RPC URL
<https://rpc.xdaichain.com/>

Chain ID ⓘ
0x64

Symbol (optional)
xDai

Block Explorer URL (optional)
<https://blockscout.com/poa/xdai>

Cancel Save

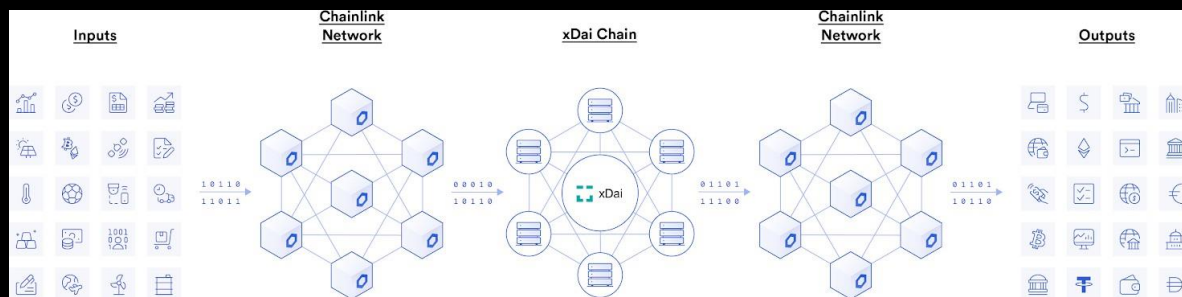
Chainlink

Chainlink Being Integrated on xDai as the Go-To Oracle Solution for xDai Developers



We are excited to announce that through a grant from the **Chainlink Community Grant Program**, leading development shop Protofire will be natively integrating Chainlink's market leading decentralized oracle network into the xDai Chain. As our preferred oracle solution, Chainlink provides our users with a robust set of guarantees not found in other oracle networks as it pertains to high-quality data, secure node operators, decentralized infrastructure, and transparent operations. These features are time-tested and have proven to secure over \$4B in USD value on mainnet for many leading DeFi applications relying on Chainlink oracles for key contract functions like Synthetix, Aave, yEarn, and more.

We believe in empowering our users with the most in-demand and secure infrastructure in the market, and bringing Chainlink directly into xDai Chain through support from Protofire will enable a whole new class of scalable, stable-value decentralized applications, starting first with DeFi and then expanding beyond. It will also directly support the many Chainlink ecosystem projects building on xDai Chain, ensuring they can natively access Chainlink's trusted oracles.



Leveraging xDai Chain and Chainlink Oracles For Next-Generation DeFi Applications

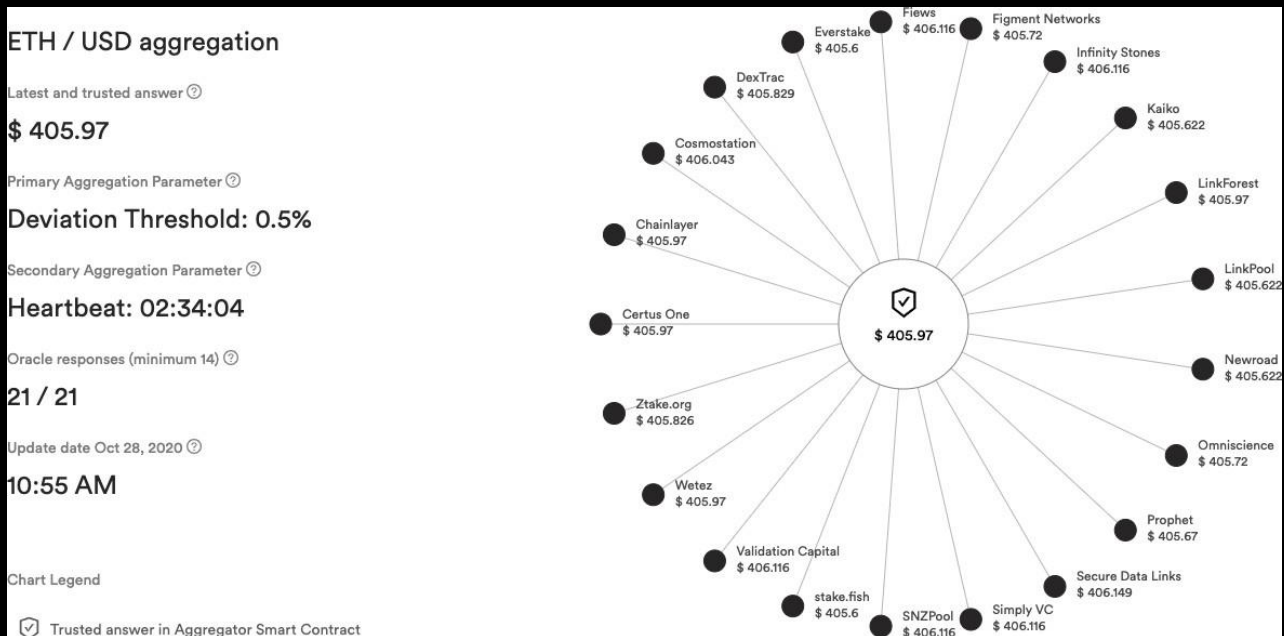
The xDai Chain is the first Ethereum-based sidechain that uses USD-stable xDAI (a representation of DAI token) as the native coin of the network. All gas fees for broadcasting transactions on the network are paid in xDAI, creating a stable and economically predictable blockchain environment for developers to build on. As a sidechain, it's also fast and inexpensive, allowing it to support scalable applications in addition to its more reliable system for managing payments.

Like any other blockchain or layer-2 solution supporting smart contracts, there is a pressing need for external data as a means of building dApps that can react to real-world events like changes in asset prices and fluctuating interest rates. Such data is not generated within blockchains, and requires a **blockchain oracle** to source and deliver it on-chain to be used as an input to trigger a contract's execution. Importantly, the oracle must maintain the same security properties as the underlying blockchain if users are to rely on it to build trustless smart contract applications that secure large amounts of value.

Chainlink has established itself as the standard in blockchain oracles, becoming the most widely used oracle network in the market for securing real value for live smart contracts. Some of the reasons we are committing resources towards making Chainlink the go-to oracle solution for xDai developers include:

- ♦ **High-Quality Data** - Chainlink provides plug-n-play decentralized price oracle networks for a wide variety of financial assets, as well as the ability to connect to any authenticated API to access premium password-protected data

- ♦ **Secure Nodes and Decentralized Infrastructure** - The Chainlink Network provides developers with a large collection of Sybil-resistant oracle nodes that xDai developers can leverage within decentralized networks to receive highly available, manipulation resistant oracle services
- ♦ **Proven Solutions** - Chainlink supports the largest collection of **on-chain price oracles for DeFi**, as well as an innovative **verifiable randomness function (Chainlink VRF)**, both of which are live in production to immediately support xDai's DeFi and Gaming developers.



Each Chainlink Price Feed is accompanied by an open visualization so users can monitor the real-time performance of the oracle network, such as the Chainlink ETH/USD price oracle pictured above

As part of the Chainlink grant, Protofire will provide several key components to the integration of Chainlink into xDai Chain, including: validating and adapting Chainlink contracts to ensure compatibility with xDai chain, ensuring that the LINK token is bridged to xDai, testing and deployment of all components to xDai, and delivering a monitoring solution for the Chainlink xDai integration. For more information on the grant, check out [Chainlink's grant announcement](#).

Once complete, developers will be able to leverage the world class oracle services of Chainlink directly on xDai Chain without any external dependencies on Ethereum. This means that any Chainlink oracle network launched specifically on and for the xDai Chain can run at the native speed of xDai Chain.

applications, and assets can migrate seamlessly between the two chains, providing backend safety and practical scalability.

Projects on xDai can leverage a full suite of development tools including exclusive applications like **BlockScout**, a full-featured, customizable block explorer and **Omnibridge**, a bridge providing interoperability for any ERC20 token between Ethereum and xDai. This synergy between stability, security, interoperability, and scalability opens the door for many exciting applications and new use cases.

For more, please visit xdaichain.com and follow [@xdaichain](https://twitter.com/xdaichain) on Twitter.



Chainlink integration instructions and tutorials coming soon

Chainlink Price Feeds on xDai



Chainlink Price Feeds Now Live on the xDai Mainnet

We are excited to announce that **Chainlink**'s widely used decentralized **Price Feeds** are now live on the xDai mainnet, providing xDai developers with the most secure and reliable oracle networks in the industry for accessing real-time financial market data directly on-chain.

Chainlink Price Feeds currently available on the xDai mainnet include BTC/USD, ETH/USD, LINK/USD, AAVE/USD, DOT/USD, PERP/USD, YFI/USD and SUSHI/USD, with the ability to quickly support more Price Feeds in the future to meet ecosystem demand. We recommend all developers needing Price Oracles on xDai use Chainlink and encourage them to read the following documentation to get started testing and building today.

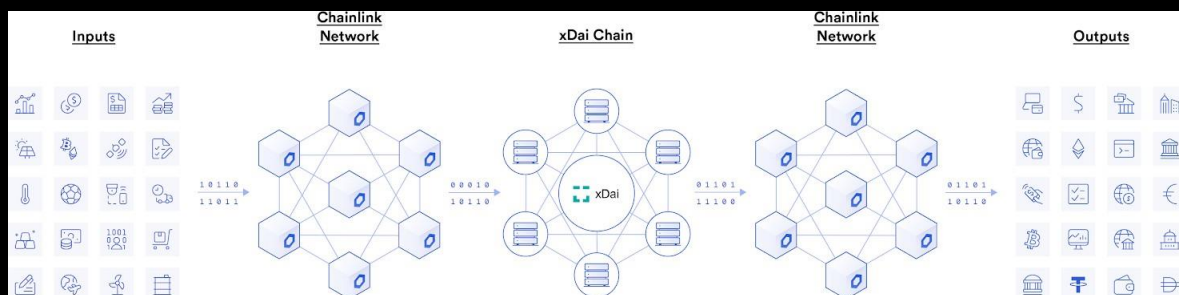


Resources

- ♦ [xDai Price feed docs on Chainlink](#)

- ◆ Developer step-by-step on xDai

The Chainlink integration as xDai's preferred oracle solution gives smart contract developers a growing collection of pre-built price oracles that can easily support a wide variety of DeFi protocols on xDai, including protocols for lending, derivatives, synthetics, asset management, algorithmic stablecoins and various other financial services. Chainlink oracles are backed by premium data, secure oracle nodes, and decentralized infrastructure, leading to the strongest security and reliability guarantees around the sourcing and delivery of external data on-chain.



The integration was made possible by Protofire, a leading development workshop and xDaivalidator, who received a **Chainlink Community Grant** to bring Chainlink oracles natively onto xDai. Protofire used the grant funding to successfully adapt Chainlink's core smart contracts for compatibility with xDai, adapt the token bridge to enable native LINK payments, perform extensive testing of the integration code to ensure stability, and develop a monitoring solution to maintain long-term reliability.

We're beyond thrilled to see what smart contract developers create by combining the high level of scalability provided by the xDai blockchain with the secure connectivity to external market data enabled by Chainlink. We didn't have to wait long either, as **Perpetual Protocol** is already using Chainlink Price Feeds on the xDai mainnet to determine the funding rate on long and short perpetual derivatives contracts with up to 10x leverage. Additionally, by operating on the xDai blockchain, Perpetual transaction fees only cost 0.0005 DAI per trade, allowing the fees to be entirely subsidized by Perpetual Protocol.

"Fast, reliable oracles are crucial to a decentralized service like Perpetual Protocol. We have been using Chainlink Price Feeds on Ethereum mainnet for some time now and we are very happy with their ease of use, stability, and decentralization. Since our protocol

runs on xDai, this is just fantastic news. Our users will definitely appreciate the increased responsiveness and timeliness of Chainlink Price Feeds on the xDai Network."

- Yenweng Feng Co-Founder of Perpetual Protocol

Enabling Next-Generation DeFi Applications on the xDaiChain

The xDai blockchain is an Ethereum-based sidechain that allows for the creation of high throughput and low latency smart contract applications, with transaction fees costing a fraction of a penny. xDai is the first layer 2 sidechain that uses the decentralized stablecoin DAI as the native coin of the network, with all gas fees paid in xDAI tokens. This ensures developers and users do not need to hold a volatile asset to interact with smart contract applications.

To allow for the creation of data-driven DeFi applications, xDai Chain required an accurate source of market prices on a variety of assets. Not only does Chainlink provide the most extensive collection of on-chain price oracles in the industry, but its data is sourced exclusively from a variety of premium data aggregators to mitigate against data manipulation vulnerabilities, such as those recently induced via flash loans. Combined with secure nodes and decentralized infrastructure, Chainlink provides xDai with highly available, tamperproof, and volume adjusted market data without any single point of failure, as well as the best overall solution for trust-minimized off-chain data computation. Additionally, Chainlink oracles operating on xDai do not require any external dependencies to Ethereum, allowing Price Feeds to operate at the native speed and costs of the xDai Chain.

"The launch of Chainlink Price Feeds on the xDai mainnet marks a significant milestone in xDai's support for highly scalable, low-cost, and externally connected DeFi applications. We recommend that developers building DeFi protocols and launching DeFi markets on xDai use Chainlink Price Feeds. It gives them direct access to industry-leading data quality, time-tested oracle security, and on-chain transparency to prove to users the proper functioning of their price feed mechanism," stated Igor Barinov, xDai Founder and Lead Developer.

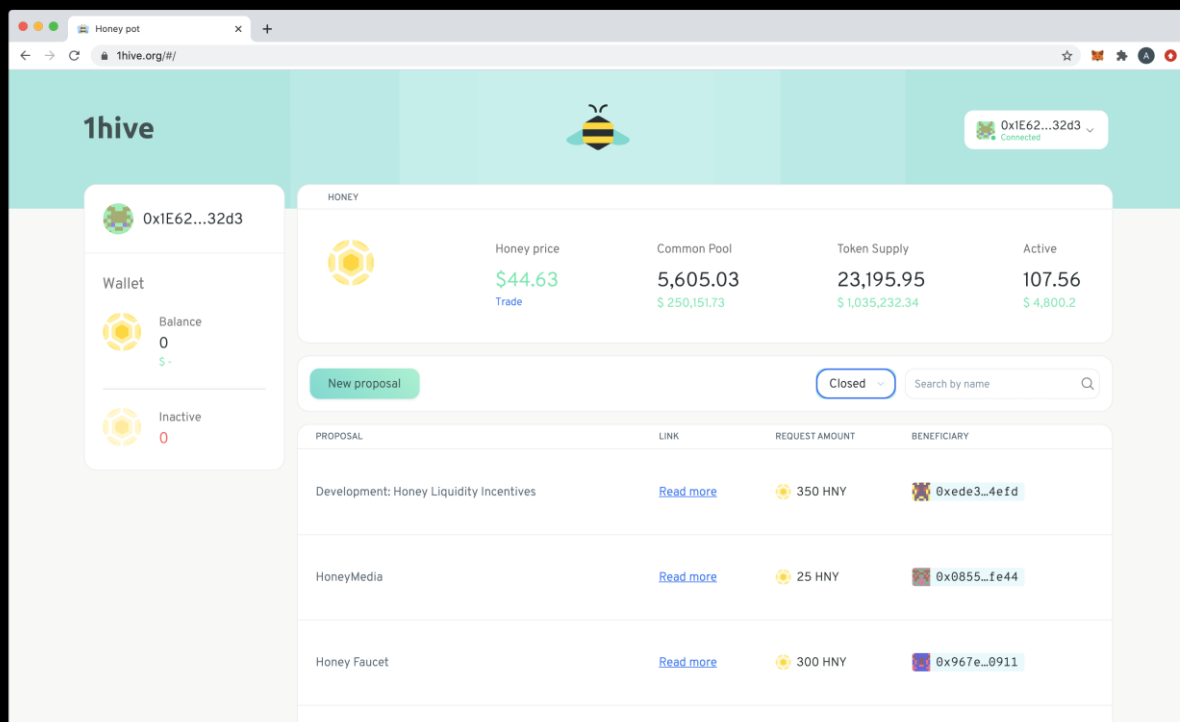
HoneySwap

HoneySwap is a Uniswap v2 clone on xDai. See the [1Hive page](#) for more information on the creators of HoneySwap. Tokens can be swapped with very low, stable transaction costs. More details coming soon.



The xDai team ❤️ projects that deploy on our chain, but we can't provide project-related support for issues related to the HoneySwap exchange or any other project based issues. Please contact 1Hive if you are experiencing any technical issues. ([1Hive Discord](#))


- ♦ HoneySwap Interface: <https://honeyswap.org/#/swap> More on
- ♦ Honey: <https://blog.1hive.org/honey/>
- ♦ xMoons on HoneySwap: <https://decrypt.co/43078/heres-how-to-sell-reddits-crypto-tokens-for-cash>
- ♦ HoneyLand



Honey Liquidity & Exchange

To enable currency exchange and improve liquidity of Honey, Hive1 has deployed a fork of the Uniswap v1 protocol on xDai. This provides users a way to buy, sell, or contribute liquidity for Honey. Additional token pairs and liquidity incentives for providers may also be added in the future.

- ♦ **Honey Swap (Uniswap v1 fork):** <https://uniswap.1hive.org/swap>. Base asset is xDai
- ♦ **Honeyswap (Uniswap v2) :** <https://honeyswap.org/#/swap>

 For more information on this initiative, please see the [1Hive Blog Post on Honey and xDai](#).

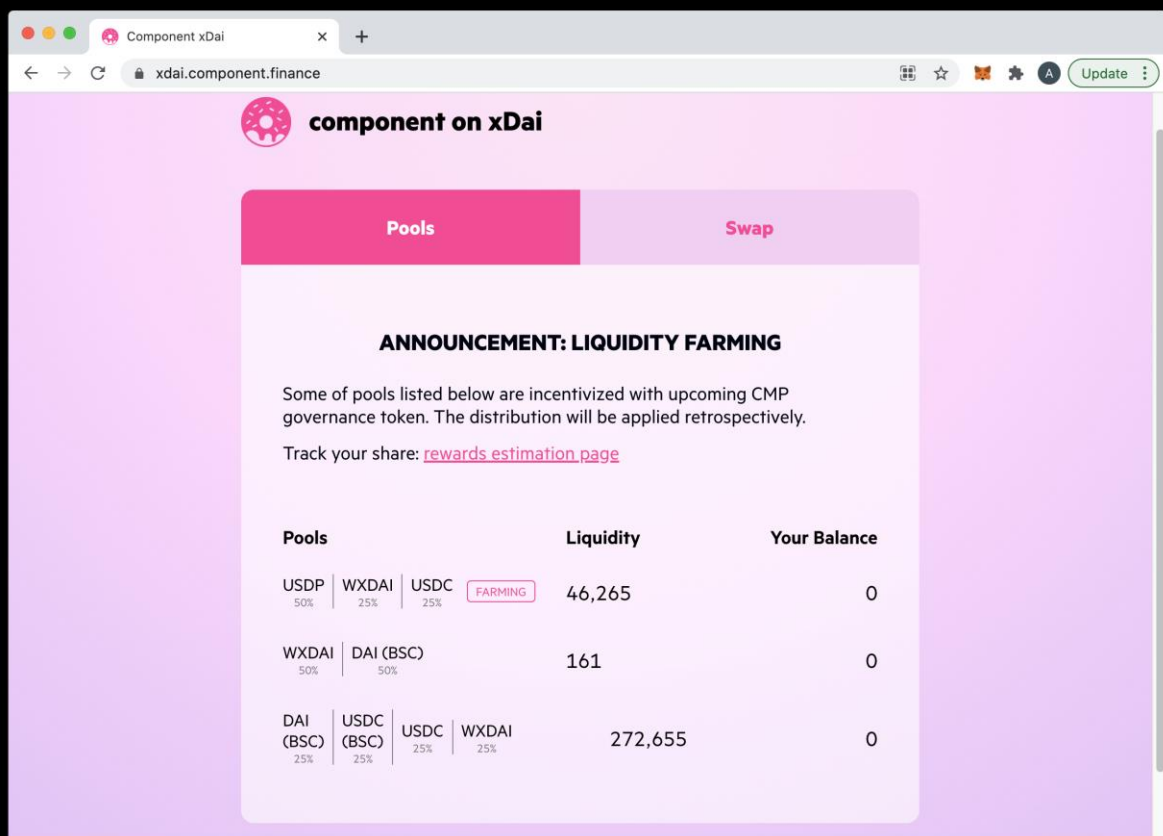
For technical issues with HNY, please visit the [1Hive Discord](#)

Component Finance

Stable Coin Swapping and Farming Protocol located at <https://xdai.component.finance/>.

Component enables stable coin swaps and provides a way to convert between stable coin instances. Due to the xDai Multi-Bridge Ecosystem, 2 (or more) instances of the same token can co-exist, for example USDC bridged from Ethereum and USDC bridged from Binance Smart Chain (BSC).

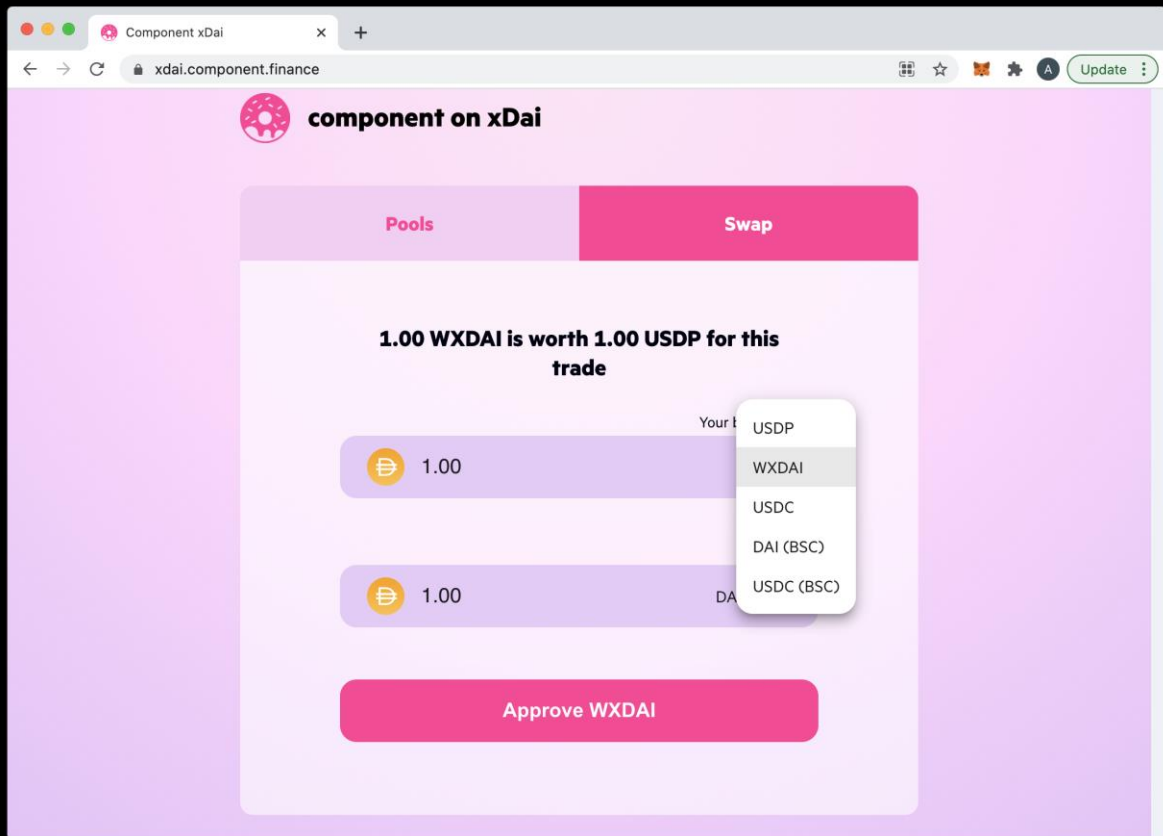
Depending on how you want to interact with a stable token (ie bridge it to BSC, bridge it to Ethereum, swap on Honeyswap), you can convert between instances. Using the Component app, you can swap between **Binance-Peg USDC Token** and **USDC on xDai** or **Binance-Peg Dai Token** and **wxDai**. In this case, you can unwrap your wxDai using **Wrapeth** to complete the conversion from Binance-Peg Dai to xDai. [More on this process is available here.](#)



The screenshot shows the 'component on xDai' website. The 'Pools' tab is selected, displaying an announcement about liquidity farming and a table of pools. The announcement states that some pools are incentivized with the upcoming CMP governance token, with distribution applied retrospectively. A link to the 'rewards estimation page' is provided. The table lists three pools with their respective token compositions, liquidity, and user balances.

Pools	Liquidity	Your Balance
USDP 50% WxDAI 25% USDC 25% FARMING	46,265	0
WxDAI 50% DAI (BSC) 50%	161	0
DAI (BSC) 25% USDC (BSC) 25% USDC 25% WxDAI 25%	272,655	0

Component Stable Coin Pools on xDai



Swap between stable coin instances

StableCoin Token Addresses on xDAI

USDP Stablecoin

Name in BlockScout: **USDP Stablecoin on xDai**

Address: <https://blockscout.com/xdai/mainnet/tokens/0xFe7ed09C4956f7cdb54eC4ffCB9818Db2D7025b8/token-transfers>

Wrapped xDai

Name in BlockScout: **Wrapped XDAI**

Address: <https://blockscout.com/xdai/mainnet/address/0xe91D153E0b41518A2Ce8Dd3D7944Fa863463a97d/transactions>

Binance-Peg Dai

Name in BlockScout: **Dai Token on xDai**

Address: <https://blockscout.com/xdai/mainnet/address/0xFc8B2690F66B46fEC8B3ceeb95fF4Ac35a0054BC/transactions>

USDC

Name in BlockScout: **USD//C on xDai**

Address: <https://blockscout.com/xdai/mainnet/address/0xDDAfb505ad214D7b80b1f830fcCc89B60fb7A83/transactions>

Binance-Peg USDC

Name in BlockScout: **USD Coin on xDai**

Address: <https://blockscout.com/xdai/mainnet/address/0xD10Cc63531a514BBa7789682E487Add1f15A51E2/transactions>



Unit Protocol

The stable coin that powers Component finance is called USDP and comes from **Unit Protocol**.

With Unit Protocol you can use assets on Ethereum, including STAKE on Ethereum, as collateral to borrow USDP. Component is also available on Ethereum at <https://component.finance/>.

Reference's

<https://blockscout.com/poa/xdai/>

<https://www.xdaichain.com/>

<https://chain.link/>

<https://www.poa.network/>