



Privacy on Ethereum

Obscuro, a decentralised Ethereum Layer 2 Rollup protocol with privacy.

Privacy Matters

Obscuro brings privacy to the Ethereum ecosystem. With Obscuro, developers gain privacy as a default and can selectively choose what to reveal. Privacy will bring a net new set of capabilities to existing Dapps with no changes required and unlock a new generation of Dapps.

Existing Dapps can immediately leverage full smart contract privacy. Current privacy solutions focus on transfer shielding, hiding parties, amounts and accounts of transactions. Obscuro goes much further enabling private execution of contracts including full encryption of the ledger and execution of the contract where even a node operator is unable to see the data and logic. Even the bytecode itself is encrypted allowing for IP protection.

In the near term, we believe privacy will bring new capabilities to existing users and Dapps that will eliminate MEV and unlock dark pools, auctions, hidden game maps and a variety of other capabilities. In the long term, we believe privacy is the key feature holding back exponentially larger real-world assets that would greatly benefit from the decentralization and smart contracts Ethereum provides.

Technology

Obscuro achieves privacy using Trusted Execution Environments (TEEs), specifically Intel's SGX. This technology has been proven over the last decade to be a reliable means of ensuring privacy with full computational capabilities.

As an Ethereum Layer-2 network, Obscuro brings this privacy to the Ethereum Mainnet leveraging the liveness and availability of the Mainnet for ledger integrity. Uniquely, Obscuro's POBI protocol ensures roll-ups have consensus in the decentralized Obscuro network.

User Experience	<p>Ethereum apps can move over to Obscuro without changes. All Dapps can execute unmodified EVM code and operate their same client applications. End-users can continue to use existing wallet, interacting with an Obscuro application is the same as interacting with any Ethereum application on an L2.</p> <p>With the L2 assurance over tamperproof execution of contracts the withdrawal period is expedited to 24 hours, allowing users to quickly move tokens back to the L1.</p>
Utility Token	<p>A native utility token, OBX, provides an easy means of payment for utility within the platform including transaction fees. Staking ensures the token has a native ROI as stakers share in the validator rewards. OBX will be issued as a fixed supply at launch.</p>
Community	<p>Obscuro will be governed by its community of users. The Obscuro Foundation will be established to provide governance functions. The community can vote on governance actions directly as token holders.</p>
Roadmap	<p>Obscuro is currently in development by Obscuro Labs. The technology is open source and governed by the Obscuro Foundation. Look for news soon on our upcoming Testnet launch.</p>
Team	<p>The Obscuro team are blockchain natives from R3 and other start-ups such as Avalanche. We bring many years of experience in blockchain, the TEE technology we leverage as well as real world assets on ledger.</p>

Next Steps

We invite you to join the Obscuro community and gain from the benefits of privacy.

- Check out our website - obscu.ro
- Read about our technology in the [White Paper](#)
- Contact us at info@obscu.ro
- Follow us on Twitter [@obscuronet](#)
- Join the community on [Discord](#)