EOS LITE PAPER
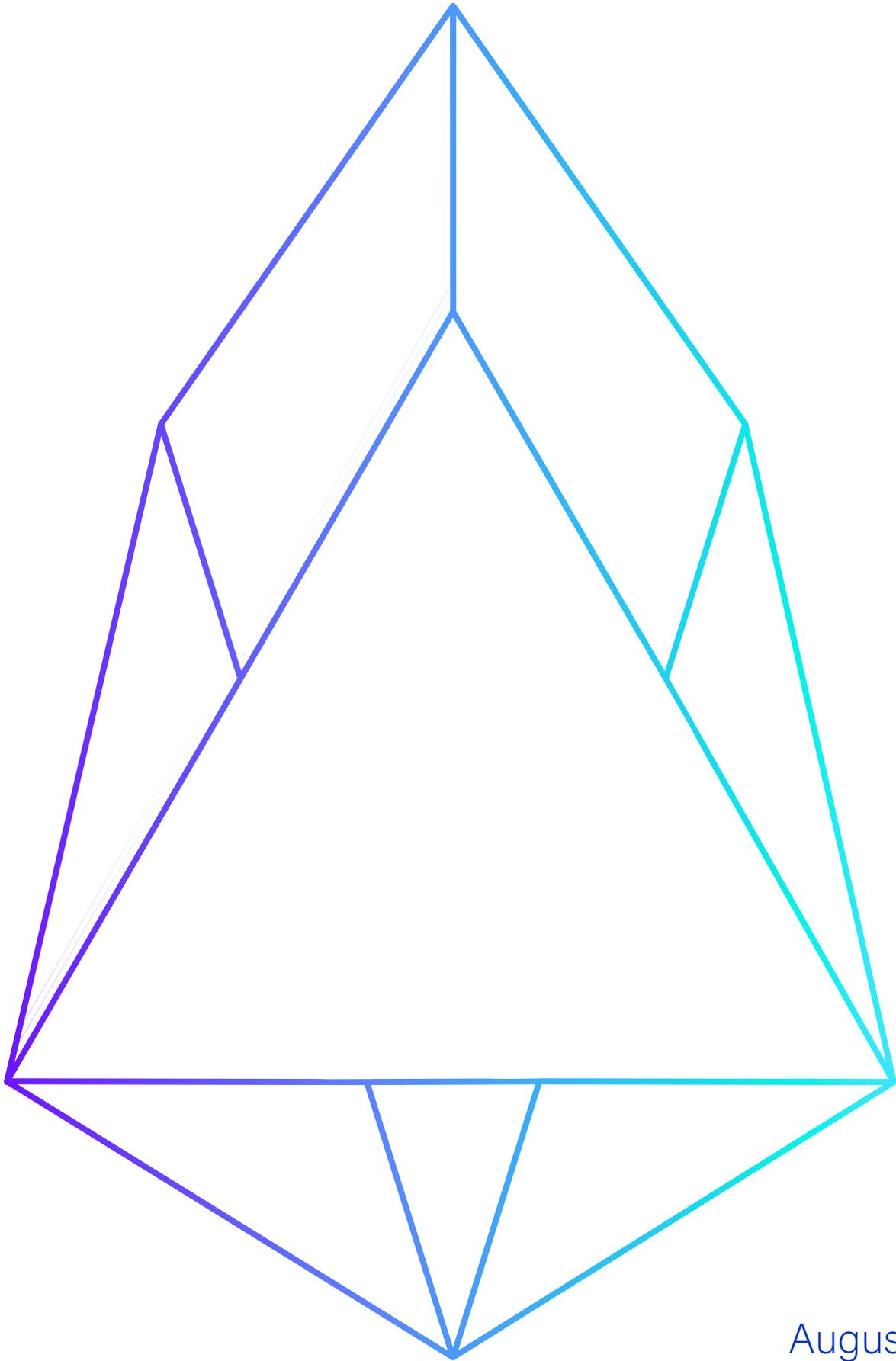
The Eos Lite wallet extension, Tao, underpins the EOS ecosystem, allowing quick and seamless coordination between EOS, dApps and websites. The Tao extension is simpler to use and does not require superuser or administrator rights to install or activate. It is conveniently accessed and managed via in-browser application stores.

Tao will be a cross-platform product, supporting Chrome, Firefox, and Opera Browsers. It allows for the intuitive use of EOS Blockchain through a Browser and dApp (decentralized application) Marketplace for users with any level of knowledge of cryptocurrency or Blockchain Technology.

Tao is designed and built to intuitively interact with EOS -based blockchains. It allows users to securely store, send, and receive EOS-based digital assets.

The Current Problem with dApps

Currently, Ethereum and EOS dAPPS are widely undeveloped and underused. There are several problems with dAPPs:

1. The lack of confidence in an unfamiliar technology like blockchain limits the amount of interactions with it as the technology continues to struggle with mass adoption.
2. The fact that the majority of Dapps require the use of a native token. Users may not want to go through the process of purchasing the token for use.
3. Poor user experience prevents the on-boarding of non-technical users.
4. The distinct lack of user-friendly management tools for digital assets and trustworthy DApps complicates usability.

When analyzing existing daApps, generally, there are a few main issues:

- Complicated user interfaces;
- Lack of real-life applications for cryptocurrencies;
- Tedious registration, password and account management

With the Tao browser extension, these issues are solved. Our built-in fully functional dApp browser can be used to communicate with dApps and trade cryptocurrency directly from your desktop. It is built to interact with EOS based blockchains, serving as the gateway to Blockchain interactions. The Tao browser extension has a clean design, seamless user experience, and strong security protocols.

Why the EOS Platform?

EOS is a blockchain platform designed to produce high performance decentralized applications fast, simple and scalable. Exceeding a billion-dollar market capitalization, EOS leads the pack in blockchain activity ahead of both Bitcoin (BTC) and Ethereum (ETH).

Key Features of Eos Lite Web Extension

EOS Lite serves as a user interface to communicate with blockchains and decentralized applications and be the primary vehicle for keeping and transmitting user funds. We provide security by storing a user's encrypted private key client-side in a user's browser. This preserves the security guarantees of a decentralized account model while allowing users to login into EOS Lite through a traditional web form that asks for a username and password.

User Identity: Websites can leverage the web extension to pull and populate relevant user information into a page (e.g., a user's EOS lite address). For security reasons, this information will only be available after a user has specifically approved a domain to access it.

Transaction Initiation: Websites can initiate transactions through API calls to the web extension, resulting in a new extension window pre-filled with the relevant transaction data. This is useful, for example, in shopping websites: allowing for one-click purchases after user approval of a transaction.

Smart Contract Invocation: Some websites may integrate information from smart contracts. This API allows such websites to initiate a call to a smart contract in a new transaction window.

Security is vital when building any asset management platform. The extension also integrates key security features to prevent theft of assets. Beyond adding new functionality to a user's browser, the EOS Lite extension actively protects users from known scammers by forcing a redirect when it encounters a known malicious website. We have a client-side security model, with private keys hosted locally and never sent to any servers. Client-side security and asymmetric encryption provides a distinct digital signature for interacting with applications on the EOS blockchain.

The Tao browser extension is the first of its kind on the EOS platform. We hope to provide the ultimate user experience, while adding much value to the EOS community.