

Xenblocks Whitepaper
Version 1.0.0

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1. Overview

The blockchain revolution introduced Distributed Ledger Technologies (DLT). First generation coins like Bitcoin and Litecoin provided secure decentralized cryptocurrencies to the masses. Second generation DLTs like Ethereum or Neo gave us smart contracts and scalability. Innovation in the blockchain space continues new distributed ledger implementations are announced or launched seemingly every day. However, mass adoption of blockchain technologies is slow and mainstream use is still years away.

One of the biggest challenges for this adoption is the difficulty of integration of these technologies into existing applications. To integrate a distributed ledger into an existing application, a company needs to hire or train blockchain developers, sort out among the many existing DLT to find out which one is suited for their use, build APIs to work with the DLT and finally deploy and maintain a blockchain network.

This is a lot of extra work for companies that are looking to integrate blockchain technologies into their system. Xenblocks exists to simplify this problem. Xenblocks is creating an ecosystem that integrates all the components needed to deploy and use a DLT into a single and easy to use the platform.

The Xenblocks ecosystem provides three main components to developers and companies. First, a blockchain as a service platform that can be used by companies to deploy new DLT blockchains with just a few clicks. Second, a robust, secure and easy to use API that works seamless on any supported DLT and provides a general abstraction layer to handle all blockchain operations. Third, an integrated decentralized exchange service that provides instant liquidity to all deployed blockchains.

The Xenblocks Foundation (XF), a company in process of being incorporated, drives the development and adoption of the Xenblocks ecosystem. The XF is made of core developers, open source developers and members of the community. Core developers oversee the development of the ecosystem, open source developers contribute to open source projects of the XF, and community members contribute to all non-development efforts to the success of the projects. For example, projects related to marketing, design, documentation, mining, etc.

In addition to the development of the core Xenblocks ecosystem, the XF also supports and develops complementary projects such as the XNB crypto-currency or the X-Wallet. XNB is a crypto-currency for our community. It is based on the Litecoin code base and it is the first

crypto-currency to use the core Xenblocks API.

Developers can mine XNB and use it in their application. We have chosen the Litecoin code base because of the vibrant and cutting edge-community behind it. By building on top of Litecoin the currency also has access to all the existing tools and services around it. For example, hardware wallets, out-of-the-box e-commerce, and exchanges integration, well-known and industry standard protocols, extensive documentation, light-weight clients, etc. By supporting Litecoin in our API we immediately have support for dozens of crypto-currencies based on the same protocol.

The X-Wallet is a project to create a universal wallet for the Xenblocks ecosystem. The X-Wallet is an extremely easy to use mobile & desktop wallet that users can use in the same way that they use Venmo or PayPal. The wallet abstracts all complexity related to private or public keys and maps funds to user's emails. Allowing users to instantly convert crypto-currencies to fiat and have that deposited directly to their bank accounts. Users can use the X-Wallet for making purchases, pay for services or to send funds to friends. The X-Wallet can also export funds into paper wallets that can easily be created by the app when users wish to store their funds outside the X-Wallet.

Xenblocks also develops plugins and widgets that can easily be integrated into any existing Website or App to integrate crypto-payments of the Xenblocks ecosystem. This integration will be developed gradually as the ecosystem advances. There are many more projects that XF will develop to support the adoption of crypto-currencies in the digital world. These projects will be described on their own white-papers.

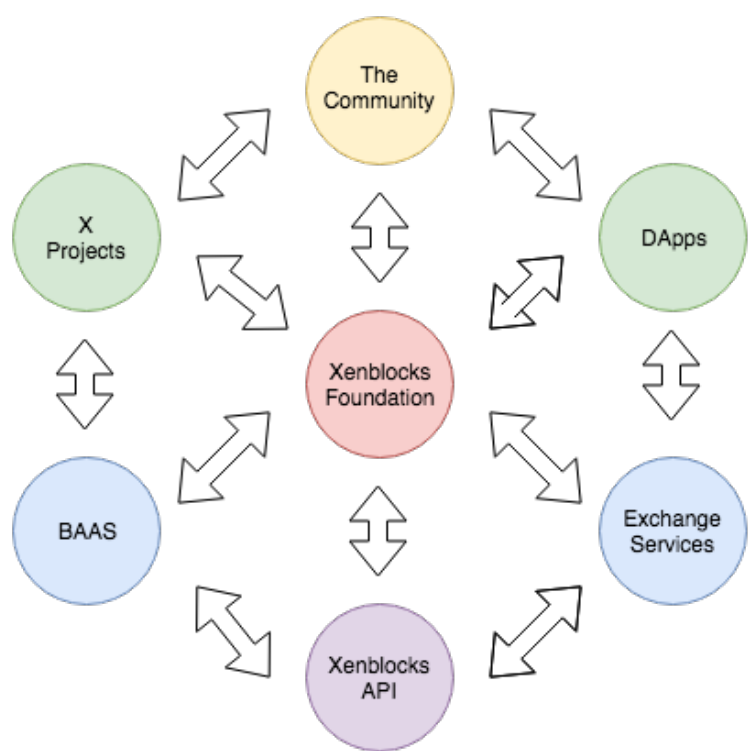
2. Purpose of this Whitepaper

This document describes the vision of the Xenblocks project. Including technical details of the ecosystem and the overview of our roadmap and strategy for adoption. Xenblocks development will be funded through a token sale. The funds raised will be managed by the XF to be used exclusively for the development of Xenblocks technologies and the ecosystem. Details of the token sale will be disclosed on the token-sale campaign.

3. Xenblocks Ecosystem

Xenblocks is an ecosystem, not just a crypto-currency. The ecosystem is made of crypto-currencies, blockchains, APIs, the network, x-projects, exchange partners, the community and XF sponsored projects. The purpose of this ecosystem is to facilitate the integration of DLT in apps and websites and increase the adoption of DLT in the digital world. Xenblocks integrates many existing blockchain technologies into a single and easy to use the platform. However, the ecosystem is not limited to Xenblocks projects and blockchains only, the ecosystem and the API are designed to work with most existing crypto-currencies and blockchain technologies.

Xenblocks - Ecosystem



4. Xenblocks Platform

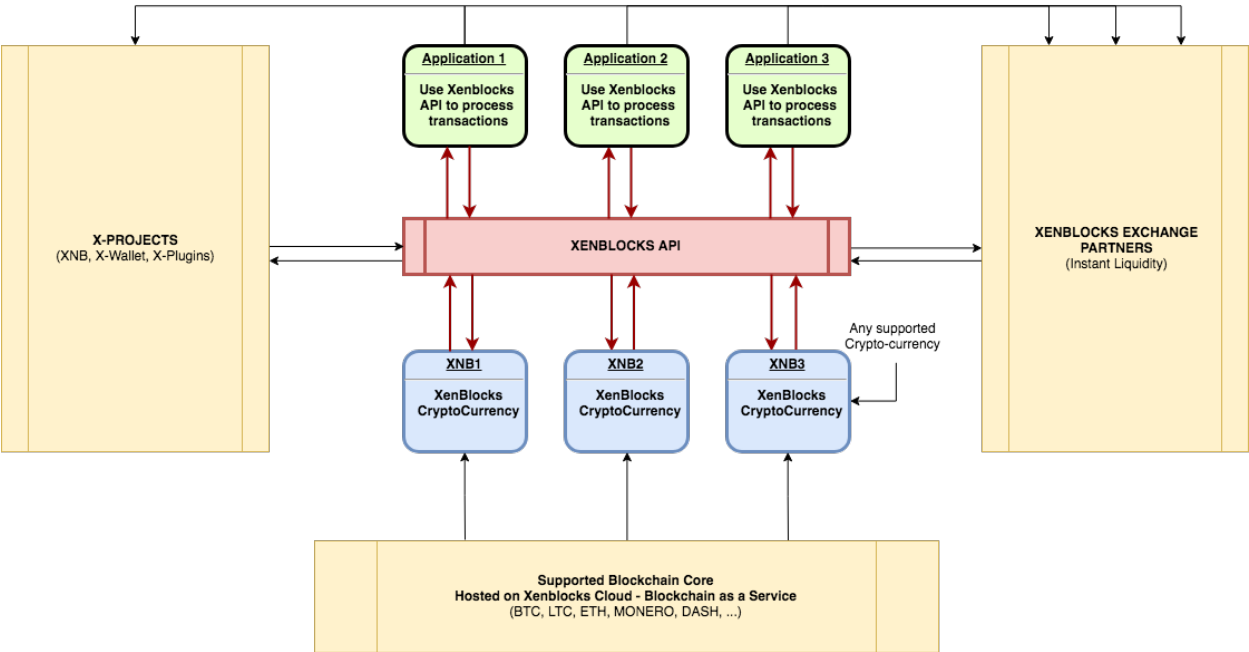
The Xenblocks Platform includes the following components (blocks):

- **Blockchain as a Service (BAAS):** Xenblocks will allow the deployment of blockchain technologies as a service by providing an easy to use web interface in which users can deploy a blockchain and a network of nodes/miners the same way that users deploy server instances in Amazon Web Services (AWS) or another cloud platform. The creation of new blockchains happens by cloning existing open source blockchain such as Bitcoin, Litecoin or Ethereum. The new blockchains are deployed into cloud instances of servers and are ready to use from the get-go. Due to the distributed nature of blockchains, these nodes can be moved out of our BASS network into any other infrastructure. During the creation of new blockchain, users can customize settings such as max coins, mining support, halving schedule, etc.
- **B2B Consulting:** Xenblocks Foundation will provide professional consulting services and support to the business community that wants to use DLTs. Providing professional B2B support will be extremely important for medium and large companies that want to adopt blockchain technologies.
- **Xenblocks API (XAPI):** The Xenblocks API will allow access to blockchain operations to process and validate transactions, manage users balances, track history of transactions, send and receive micro-payments and manage smart contracts. The API will be built in such way that it can work on top of many existing blockchains like Bitcoin, Litecoin or Ethereum. The API, offered as an SDK for common programming languages and Operating Systems acts at the interface that connects all the core Xenblocks components. Application developers use this API to perform transactions and operations on the supported blockchain. Throughout a clean and simple abstraction layer, a developer can learn and use a single API to access multiple blockchains. Xenblocks API is also available as a service using RPC or REST interfaces.
- **XNB:** The core crypto-currency of Xenblocks is XNB. This crypto-currency is used on the system to transfer value on all Xenblocks services. XNB is based on Litecoin to maintain compatibility with the Bitcoin protocol and to get access out of the box to all Litecoin and Bitcoin software and hardware. A new block is generated every 60 seconds and creates 50 new XNB coins. Generation halves every 4 years and there will

be a max total of 1 billion XNB coins generated. Currently, there is a wallet for Windows, Linux, and Mac, as well as a web wallet hosted at Xenblocks.com.

- **Xenblocks Exchange Service (XES):** The Xenblocks Exchange service will provide instant access to all blockchains deployed on the Xenblocks Ecosystem either by the development of the Xenblocks Exchange or the integration with other exchanges. The goal of the exchange services is to provide an instant access to liquidity in existing markets. A liquidity bridge is created automatically by deploying a new blockchain on the Xenblocks Platform. The price and ratio of the exchange are determined by the markets themselves.
- **The Community:** The Xenblocks platform also includes a diverse community of members passionate about crypto-currencies and the adoption of these technologies. The community includes expertise in Marketing, Design, Growth, Backend Development, Frontend Development, Mobile Development and Network Engineers among other experts. All these members contribute to the development of the ecosystem and blockchain technologies.
- **X-Projects:** The Xenblocks Foundation sponsors projects such as the XNB crypto-currency, the X-Wallet, the X-Marketplace and the X-Plugins. XNB is a crypto-currency for the community. It can be used on the Xenblocks ecosystem to get services and with the Xenblocks API or as a payment crypto-currency. The X-Wallet is a universal Xenblocks wallet to store all crypto-currencies and tokens of the Xenblocks Ecosystem. It can be customized to support one or multiple crypto-currencies or tokens. The X-Marketplace is a marketplace for digital services and assets. X-Plugins are easy ways to integrate crypto-currencies payments on existing websites or apps effortlessly. There are more application-level projects sponsored by the Xenblocks Foundation coming in the near future.
- **Applications:** Applications that use the Xenblocks API have access to blockchains supported by the Xenblocks platform. All applications access the blockchain through a simple API using the provided SDK for supported languages. Applications can also use a REST interface through a hosted API service provided by the BASS platform. The SDK uses high encryption and industry standard security mechanisms to ensure the safe use of the API and the SDK.

Xenblocks - Platform



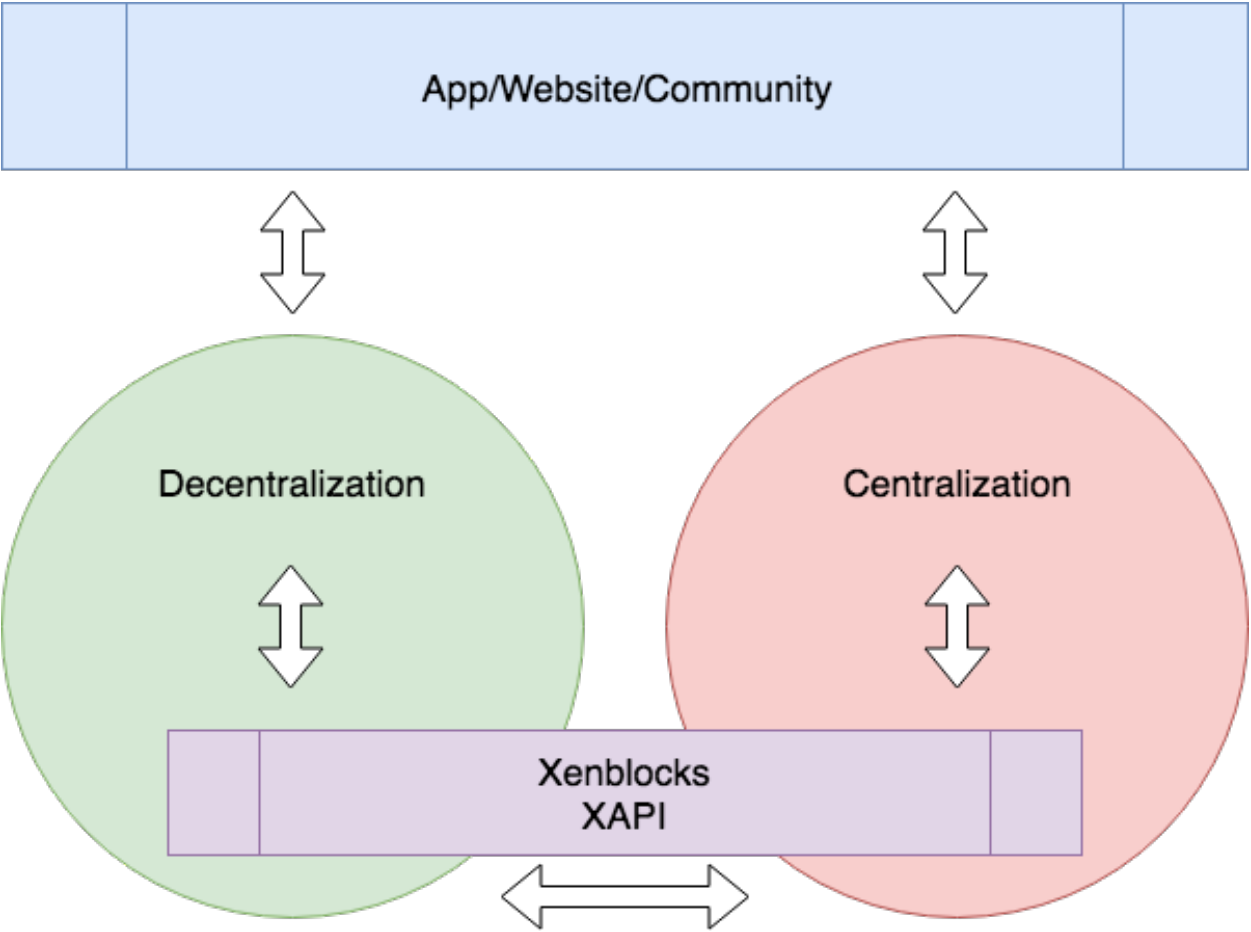
5. Decentralization and Centralization

Xenblocks Foundation exists primarily as a Product Organization, with the mission to help companies and developers use blockchain technologies. The core philosophical view of Xenblocks Foundation on blockchain lays on decoupling in the centralization vs decentralization paradigm.

Centralized systems have many advantages over decentralized system, especially regarding optimizations, performance, operational costs, response time and efficiency. However, centralized system lacks the trust inherent in decentralized systems. At Xenblocks Foundation we believe that optimal system needs to embrace both, a centralized and a decentralized architecture in order to have the best of both worlds.

Blockchain technologies allow us to decouple the components on a system that should be centralized and decentralized, therefore we can develop systems that can have optimal centralized operational architectures and the inherent trust of decentralized systems.

Xenblocks enables easy decoupling of centralization and decentralization through the use of the development XAPI. The SDK allows any application to easily use blockchain technology to store value and transactions on any app or website. The SDK is extensible to support new use cases and new emerging technologies. We believe that the next wave of successful large applications on the internet will make use of proper centralization and decentralization of components.



6. Summary

Distributed Ledgers are one of the most innovative technologies of our time. Blockchains have the potential to change and improve the most profound aspects of our society; and innovation in this space will continue to grow, discovering better and new use cases every day.

However, some of the biggest challenges preventing the industry from global adoption of DLTs is the difficulty of the technology itself. Today, it is very hard to find developers with background on blockchains technologies, documentation is sparse, there aren't professional B2B support services, APIs are not stable, network security is a mayor concern, etc. A company that wants to use blockchain technologies has to solve all these issues and more.

Xenblocks Foundation is a product company, with the mission to help global adoption of Distributed Ledgers Technologies. Xenblocks Foundation provides services for deployment of blockchains (BAAS), easy use of DLTs (XAPIs), professional support and consulting services, sponsorship of blockchain projects, consumer facing projects and much more.

Our goal is to make it very easy to adopt and integrate DLTs in the existing application and help foster innovation in this space. We believe that by providing the core services described in this white-paper we will accomplish our goal, and the true potential of DLT will help improve society as we know it.

7. References

- [1] <https://bitcoin.org/bitcoin.pdf>
- [2] <https://litecoin.org/>
- [3] <https://kinecosystem.org/>
- [4] <https://medium.com/kinfoundation>
- [5] <https://ethereum.org/pdfs/EthereumWhitePaper.pdf>
- [6] <http://docs.neo.org/en-us/basic/neocontract.html>
- [7] <https://ark.io/>
- [8] https://nem.io/wp-content/themes/nem/files/NEM_techRef.pdf
- [9] https://cryptonote.org/whitepaper_v1.pdf
- [10] <https://wavesplatform.com/>