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xSAPPHIRE (XSAP)

A Dedicated Decentralized and Scalable Smart Contracts

Ethereum Based Token

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❖ ABSTRACT

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❖ INTRODUCTION

XSapphire is a decentralized peer-to-peer order management and processing system, an autonomous buyer-seller protection service, all powered by smart contracts and built on a decentralized blockchain network. XSapphire aims to provide a complete open source solution for running a successful token business online.

The xSapphire market runs on a blockchain with a native ERC-20 protocol token (also called a “XSAP”), which miners earn on the ethereum blockchain by proof of work. Clients spend xSapphires when purchasing goods and services in the xSapphire DOM and in other integrated sites that offer services and accept payments in xSapphires. Conversely, one can earn xSapphires by selling goods and services and/or by simply receiving xSapphires via a wallet-to-wallet transfer. In the future, xSapphire Network will emerge where miners compete to mine blocks with sizable rewards. Before then, xSapphire mining power will be proportional to active orders on the network, which means that the value of xSapphire mining will not be limited to maintaining blockchain consensus. This creates a powerful incentive for miners to fulfill as many orders as they can.

The ERC-20 protocol weaves these amassed resources into a self-healing blockchain network that anybody in the world can rely on. Strong buyer protection techniques built in smart contracts reinforces the robustness of the network. Orders are encrypted end-to-end through the protocol’s secure order management portal. Miners do not have access to decryption keys. XSAP works as an incentive layer on top of blockchain and computes a proof-of-order for any transaction, which makes XSAP particularly effective for decentralizing payments, building and running distributed ecommerce portals, and implementing smart contracts.



❖ WHAT IS CRYPTO CURRENCY?

A crypto currency is a digital or virtual currency designed to work as a medium of exchange. It uses cryptography to secure and verify transactions as well as to control the creation of new units of a particular crypto currency. Essentially, crypto currencies are limited entries in a database that no one can change unless specific conditions are fulfilled.

Today crypto currencies have become a global phenomenon known to most people. While still somehow geeky and not understood by most people, banks, governments and many companies are aware of its importance. In 2016, you'll have a hard time finding a major bank, a big accounting firm, a prominent software company or a government that did not research crypto currencies, publish a paper about it or start a so-called blockchain-project.

❖ WHAT IS XSAPPHIRE?

xSapphire (XSAP) is decentralized cryptocurrency, it is a peer-to-peer, community driven decentralized crypto currency that allow people to store and invest their wealth in a non-government controlled currency. This white paper describes XSapphire, a decentralized digital currency trading platform based on Ethereum smart contracts that supports ERC-20 type tokens and other token types. The XSapphire Encrypted Currency Trading Platform is a one-stop, global trading platform that runs on multiple interactive environments including Windows, Chrome, IE and Firefox, Android, and iOS, delivering a global, weather-ready mix of tokens fluidity. XSAPPHIRE, a local token for the XSapphire trading platform, is tightly controlled at 750 million tokens. Supporting all Ethereum wallets, XSAPPHIRE is the platform's revenue distribution token, allowing each platform participant to share the opportunities and fortunes of crypto-economic giving.



❖ FUTURE OF xSAPPHIRE

The ERC20 token standard has become the canonical interface against which custom currencies are implemented on the Ethereum blockchain. As of this writing, the aggregate market cap of ERC20 tokens on the Ethereum blockchain is on the order of tens of billions of dollars. This domination of mindshare suggests that the number of applications that support transacting with ERC20 tokens is going to blow up in short order. This trend has already started with the demand for ERC20-compliance in wallets. At the application level, as the community resolves questions of governance and communal decision making around ERC20 tokens, we should expect to see the level of complexity of applications making fundamental use of ERC20 tokens grow far beyond that of wallets.

❖ WHAT IS ERC20 TOKEN?

With the aim to eliminate this complicity, developers invented the ERC20 to predict how tokens will function within a larger Ethereum network. This standardization promotes the issuance, distribute□ERC20 is typically a token representing a digital asset that has various values attached to it. Prior to the existence of ERC20, the functionality of the token system of currency was definition and control of assets in a formalized and standardized fashion.

The ERC-20 defines a common list of rules for all Ethereum tokens to follow, meaning that this particular token empowers developers of all types to accurately predict how new tokens will function within the larger Ethereum system. The impact that ERC-20 therefore has on developers is massive, as projects do not need to be redone each time a new token is released. Rather, they are designed to be compatible with new tokens, provided those tokens adhere to the rules. Developers of new tokens have by-and-large observed the ERC-20 rules, meaning that most of the tokens released through Ethereum initial coin offerings are ERC-20.



❖ STATE CHANNEL

One of the most interesting developments in the blockchain space lately is that of state channels. They operate on the basic principle that in most cases, only the people affected by a transaction need to know about it. In essence, the transacting parties instantiate some state on a blockchain, e.g. an Ethereum contract or a Bitcoin multisig. They then simply send signed updates to this state between each other. The key point is that either one of them could use these to update the state on the blockchain, but in most cases, they don't. This allows for transactions to be conducted as fast as information can be transmitted and processed by the parties, instead of them having to wait until the transaction has been validated—and potentially finalized by the blockchain's consensus mechanism.

❖ SMART CONTRACT

Despite that the only state that can be settled on-chain is a transfer of XSapphire (XSAP) still features a Turing-complete virtual machine that can run “smart contracts”. Contracts on XSapphire (XSAP) are strictly agreements that distribute funds according to some rules, which stand in stark contrast to the entity-like contracts of e.g. Ethereum. Two of the more notable practical differences is that by default, only the involved parties know about a given contract, and only parties that have an open state channel can create a valid contract. If the parties agree to a contract, they sign it and keep copies for future reference. It is only submitted to the blockchain if its outcome is disputed, in which case the code is only ever stored as part of the submitted transaction, never in any other state. If this happens, the blockchain distributes the tokens according to the contract and closes the channel.

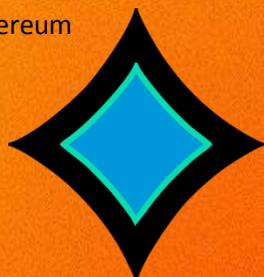


❖ LIQUIDITY

The construction has the additional benefit of allowing for a decentralized liquidity pool to be created for use with payment channels on various crypto currencies, such as Bitcoin (and to some extent Ethereum). For individual token payments on blockchains, there is a need to scale the underlying blockchain activity which does not affect the underlying chain to reduce computational pressure of validating/mining nodes. It is therefore necessary to conduct Lightning Network activities (or similar constructions using channels). However, Lightning Network faces significant pressure around network effects with capital, it's desirable to prevent liquidity pools from centralizing to a single trusted entity. By using the same mechanisms of the decentralized clearinghouse, we can create a Lightning Network hub which is not owned by any single individual on tokens which support more complex smart contracts (e.g. Ethereum, ERC-20-like tokens, etc.). For currencies with simple smart contracts, any node on the network (e.g. Bitcoin network) can act as a gateway into the xSapphire (XSAP) chain pool and cross back with any other participant. For Ethereum in particular (and other full-featured smart-contract scripting blockchains), all participants set up channels into an ETH smart contract operating as a single pool of funds.

❖ ETHEREUM TRADING

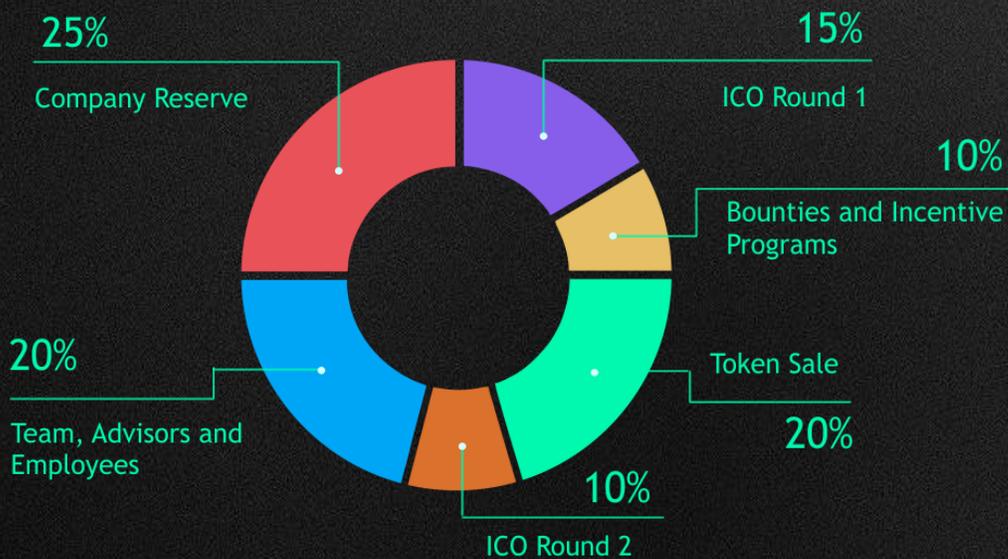
As xSapphire (XSAP) requires full node validation of the public Ethereum blockchain for maximum efficiency and security, it's possible to create a contract on the Ethereum blockchain which locks up funds dependent upon the condition of the xSapphire (XSAP) chain. These funds are now bonded and locked and its activity is enforced by the xSapphire (XSAP). When an order executes, a proof is provided to unlock the funds on the Ethereum side. This construction presumes that Schnorr or BLS signatures will be available on Ethereum in the near future. A transaction tracks the activity of the xSapphire (XSAP), and needs some level of maturity confirmations before payment is delivered on the Ethereum chain. Funds can still be settled on xSapphire (XSAP) and balances updated for continued



trading, it is only for final delivery when the payment occurs on Ethereum. The behavior of the XSapphire (XSAP) enforces the behavior of payments on the Ethereum chain. In a non-adversarial environment, a Lightning-like construction is available where a user can provide a payment directly without proof, and if the payment is not disputed after a certain amount of block maturity, is paid out without needing blockchain proof/computation. In the event the payment does not match the state in the XSapphire (XSAP), anyone can provide proof and the sender's balance would be slashed. This allows for greater computational and bandwidth efficiency on the Ethereum chain. This construction on the XSapphire (XSAP) is for trading Ethereum, Ethereum-like chains, and Ethereum issued tokens similar to ERC-20 using bonded smart contracts.

❖ **TOKEN ALLOCATION**

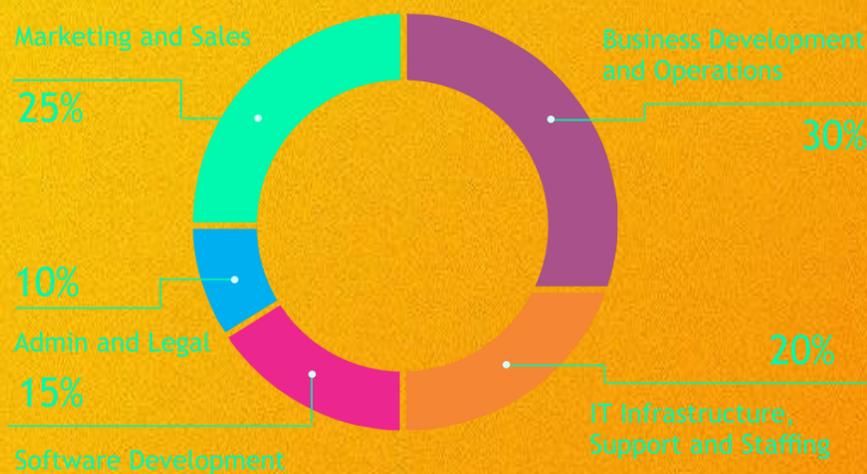
- 25% Company Reserve
- 20% Team, Advisors and Employees.
- 20% Token Sale.
- 10% Bounties and Incentive Programs.
- 15% ICO First Round Phase 1.
- 10% ICO Second Round Phase 2.





❖ FUND ALLOCATION

- 25% Marketing and Sales
- 10% Admin and Legal.
- 15% Software Development.
- 30% Business Development and Operations.
- 20% IT Infrastructure, Staffing and Support.



❖ ROADMAP

- February 2019 – Starting XSAP Token Airdrop
- April 2019 – Process Airdrop Withdrawal
- April 2019 – Launching of ICO Phase 1 with full Platform
- May 2019 – Launching of ICO Phase 2 with Advance Technology
- June 2019 – Starts XSAP Trading on ERC20 Compatible Exchange
- July 2019 – Partnership with Future EcoSystem
- October 2019 – Official Mobile Wallet Available for XSAP Token.
- December 2019 – XSAP will be listed on Major Exchange Trading Platform
- January 2020 – xSapphire Team will start working on developing of Blockchain Platform

- April 2020 – First Testnet will be Launched by xSapphire Team
- July 2020 – xSapphire Team will start working on Main Projects. The list of Projects are available on website or continue reading page 10 and 11.

❖ PROJECTS

- Supply Chain Management

Our Team is working on Supply Chain Management based on Blockchain Technology. This are some problems that can be improve with SCM Blockchain.

- Traceability
- Contract Enforcement
- Damage & Mishandling
- Oversight On Counterfeiting
- Supply Chain Auditing

- Launching of Testnet

xSapphire (XSAP) will launch its first Testnet and Blockchain Explorer. Blockchain technology has become a backbone of internet. User will be able to create Tokens based on the new Technology of Blockchain. Our main goal to develop this project is about making transactions more secure, fast, convient and efficient than now, with even less transaction fees.

- Loan Against your Cryptos

Why anyone would like to sell Crypto while, market is Bearish. We will be offering, Loan against your Crypto Currency with small Rate of Interest. No Timeframe & No Foreclosure Charges.

