SUPERSONIC FINANCE

High performance platform engineering cross-chain solutions for developers and end users

Whitepaper 2.0
High Performance platform engineering cross-chain solutions for developers and end users.
Overview

SUPERSONIC FINANCE IS AN INDUSTRY LEADING CROSS-CHAIN SOLUTION OFFERING SAFE, SECURE AND EASY TO USE FEATURES FROM TOKEN CREATION, DEX LISTING, NFTS AND AN EXCITING ECOSYSTEM OF PRODUCTS

• Market Opportunity

At the core of the supersonic finance ecosystem are the two beginning products through which we seek to take advantage of the market opportunity provided below.

As the world gradually warms up to cryptocurrency and decentralization, the number of people embarking on problem-solving projects are increasing by the minute. This development comes with pros and cons with the latter being the center to focus on. Teams are being formed and for good reason. However, the challenges faced with setting up, launching, listing and actually succeeding have presented an array of problems to the cryptocurrency universe. Old and newcomers into cryptocurrency space encounter projects that end up not moving past the token sale. Mismanagement and ineffective project planning also lead to failure of projects.

In all this, time and money is lost. This has led to a rise in platforms attempting to bring solutions to these issues. Several launchpads have been brought to the market such as Binance Launchpad and a host of others. However, very few go the extent of giving the new projects the opportunity to easily channel liquidity to a decentralized exchange. In this context, there is a long-running need and opportunity for completely decentralized platforms to solve the issues that challenge the influx of companies into the cryptocurrency space.

The next pages of this whitepaper evaluates our model as a solution to the problems mentioned above.
Supersonic Finance Solution

We aim to contribute to the shift in the financial world by playing a unique role where we can. What we intend to achieve through our hours, days, and months of hard and smart work is a platform that plays host to two of the most vital processes for cryptocurrency projects. This is the foundation of supersonic finance. The following paragraphs will enlighten you on the specifics of who we are, what we intend to build, how we intend to accomplish it, the value it holds, the metrics, and how it is a solution.

Supersonic finance will be the nexus of a multi-chain decentralized exchange and a Launchpad for developers. To achieve this, we have made important to our development, the simplification of the platform; a user-interface easy-to-use. We have also taken into consideration throughout this journey the variety that exists in the cryptocurrency space. These specifics have guided our thought process.

Given the foregoing, the value of supersonic finance is the community at the heart of our ecosystem, the prioritization of decentralization, and the integration and simplification of processes to contribute to the growth of cryptocurrency and futuristic financially profitable ventures that benefit the world.

• WHO ARE WE:

Supersonic finance is a high performance platform engineering the development of an array of cross-chain solutions for developers and end users. The supersonic finance team bridges the gap between developers and the tools needed for completion and efficient decentralization of projects with an advanced system designed for project success. We are committed to constructing a hub of cross chain products where developers will not have to break a sweat to obtain the best for their community.

Our vision is linked to the prosperity of our community because we are interested in developing symbiotic relationships that are beneficial to the cryptocurrency world. As we seek to contribute to the advancement of decentralization, we remain committed to ensuring that we put the community first.
Challenge

- Single chain compatibility.
- High transaction fees
- Low throughput on cross platforms

Solution

- Cross platform compactability
- Ecosystem of product
- Continuous community support
Certainly, centralized exchanges are a means to convert cryptocurrencies and crypto tokens to other crypto assets. However, this is off-chain, non-transparent and doesn’t align with the initial goal of blockchain. Intentional and unintentional manipulations ensue, especially, if the system design is not solid. To make it worse, users from some countries are denied access to leverage some centralized exchanges' services – exactly where is the open financial structure, which is one of the core aims of blockchain? Fortunately, the industry’s participants are forward thinkers and fully understand the necessity to harness blockchain for the benefit of everyone without borders. This gave birth to decentralized exchanges. DEXs put the users at the core of transaction executions, which are on-chain and fully transparent.

However, the industry has seen a proliferation of many blockchains, powered by different programming languages. Developers from their communities create DEXs to power the on-chain swapping of assets, native to the blockchains, and this has led to the creation of many decentralized exchanges, with different interfaces and architecture. This, without doubts, poses a significant barrier to entry to new participants.

SwapX is a multi-chain decentralized exchange, which services the conversion of crypto assets on-chain. It supports Binance Smart Chain, Ethereum, Polkadot, etc, via the same interface. Anyone, from any country, can use SwapX as it does not involve any KYC process; anyone can list any crypto asset (native to a supported blockchain), without any form of vetting process. The trading activities do not involve any order book, as opposed to what we see on centralized exchanges; instead, investors and swappers trade against a liquidity pool (reserve warehouse). The participants, which provide the liquidity, are the liquidity providers, and they earn the fees incurred on each on-chain transaction.

• Features

  Automated Market Making: Traditionally, liquidity is created by two parties, the buyer and the seller. However, this new paradigm is a way for end users to trade against an automatic market. It algorithmically leverages a very simple formula, $y \times x = k$, as per the implementation of SwapX; $y$ represents a crypto asset, $x$ represents another crypto asset and $k$ is a constant. As $y$ increases, $x$ decreases, and this keeps $k$ constant. Following the fundamental law of economics, the price movement at a particular point depends on the increase or the decrease of the available supply of one asset against the...
other asset. For example, initially, if we have two tokens, A and B, in a liquidity pool, and
the supply of A is 25M while that of B is 5M. When a buyer pulls out a portion, say 1000,
of A from the liquidity, an equivalent amount, 200, of B is put into the liquidity, by
executing a swap function. This decreases the supply of A, and its price gains strength
against the second token, B, which has increased in supply. By default, users can’t pull
out a token without putting in the second token.

**Reserve Warehouse:** This houses the liquidity of a pair of assets, and the users
trade against this liquidity.

**Reserve Contributor:** Anyone can be a reserve contributor by lending the ware-
house a pair of assets. As a result, they earn fees, based on their portion of the liquidity
in a pool, when swaps are executed on-chain. This approach allows anyone to be a
market maker, with very simple steps.

**Cross-chain Support:** How would you feel if you were able to transfer your assets
from one blockchain to another? Awesome, right? Developers have adopted the bridge
of assets between two or more blockchains; certainly, lots of reasons are behind this.
While some developers want to leverage the community of a particular blockchain, at
the heart of exposure, some employ the bridge to leverage the low fees on other block-
chains and create a better experience for their users, economically. SwapX allows users
to execute cross-chain bridges, seamlessly, just with a single click.

**Privacy:** On centralized exchanges, the users need to pass the KYC process
before withdrawals are made. This certainly exposes their personal details, and no third
party can really be trusted. At least, that’s the kind of a world, in which we find
ourselves. However, on SwapX, the transactions are private; no one, not even the SwapX
developers, needs to know your personal details before you execute a swap; just con-
nect your web-3-enabled wallet and place a click.

**On-chain and Transparent:** Transactions on SwapX are on-chain, and you inter-
act with smart contracts on each swap. On-chain transactions are transparent as the
details can be tracked on the public chain anytime.

Initially, the supported chains are Ethereum and Binance Smart Chain, with the
plans to integrate Polkadot and other blockchains, with traction. Ethereum is currently
economically problematic, owing to its negative network effect. As more users are
adopting its blockchain for a vast array of use-cases, its scalability is under a threat, and
this has resulted in outrageous transaction fees; front-running is now a normal occur-
rence. Even though lots of people still use Ethereum, some users are migrating to other
blockchains. SwapX implements beyond a single chain, and it is for anyone.
SwapX

Traders

User Interface

Smart Contract

Project Token
About SaleX
The Supersonic finance SaleX Launchpad is a decentralized sales platform that will serve as a Launchpad to offer new projects an avenue to circumvent hassles involved with raising and distributing liquidity through ICOs. This Launchpad will work in tandem with the SwapX as a channel through which exchange functions can kick start after token sales. The SaleX will function with optimum performance features such as safe and secure sales execution, comprehensive token management, flexible lock mechanism, and the integration of on-chain trading services through the SwapX. This eliminates the use of third parties and causes a free-flow of project roadmap for new projects, allowing them to transition easily from ICO to Dex listing. The SaleX system relies on the activities of the community holding the SSN token for decisions incorporated in our token management system. This is to further decentralize the process as our focus fully considers this as the driving force behind our project. In light of this, we introduced the governance system for SSN holders whom will benefit as a result of the functions and power they hold in the process of a SaleX. The goal is to create a self-serving Launchpad for ambitious projects looking to take advantage of our multi-chain platform. The SaleX platform will be built with a user interface easy to use.

**SUPERSALE PRESALE CATEGORIES:**

**Premium Sale:** In this category, the supersonic finance team would evaluate project details after application and submission have been done by project team. Upon evaluation, approved projects will receive premium support and get featured. Details will be communicated to project team through specific communication channels.

**Regular Sale:** This sale functions in tandem with our completely decentralized process. Project teams will be able to follow specified procedures made by the supersonic team. It is completely free and open to all projects willing to use the SaleX Launchpad and utilities to launch their tokens. Details of this sale will be provided in this white-paper.
• Features of SaleX
  - Safe and secure token sales platform
  - Multi-chain support for token sales and listing
  - Decentralized token management system
  - Strategic community governance
  - Organized vesting of tokens to avoid exit scams
  - Integration for Trading Activities via SwapX
  - Automatic AIDROP for SSN holders
  - Automatic rewards locked up for SSN stakes
  - Community governance on fund direction
  - Easy to use interface
  - Flexible Lock Mechanism

• SaleX TOKEN MANAGEMENT SYSTEM

The SaleX token management system entails the process for release and store of funds for projects using the SaleX Launchpad. As we mentioned earlier, the use of community governance powered through the SSN native token of the supersonic finance community will determine the release of funds and tokens to the team following a process outline that ensures that only credible projects are launched on the SaleX Launchpad. Using our multi-chain platform, tokens will be automatically generated on the blockchain of choice for the project. A portion of tokens created will be automatically locked for liquidation process, which will easily be done through the SwapX. The SaleX platform will thus, allay the fears of the token sales participants as they will be able to make certain decisions concerning the direction of the project.

GOVERNANCE: The community will play a significant role in determining new sales on the SaleX platform. Team token allocation will be released following community approval via governance over a vesting period. This will be contingent on the Token sales team meeting certain conditions. Once a new token is approved for launch, X% of the total token supply will be locked for rewards. Another X% will be reserved for SSN holders who were involved in the token's creation. The community will also have access to DeFi features such as staking SSN to receive the approved token's locked rewards. Furthermore, once the presale is over, X% of the total supply will be airdropped to all SSN token holders.

MULTI-CHAIN SUPPORT: Prior to this moment in time, projects where limited to choosing launchpads based on the network provided. To solve this, we have created a Launchpad that supports multiple networks which are Binance smart chain, Ethereum, polkadot. This provides a variety of options for the project team. Upon the usage of the SaleX platform, project teams can easily secure liquidity for the next phase of launch on the SwapX which also supports multi-chain networks. In other words, upon the completion of each token sale, a swap channel is ready for on-chain trading activities, without the involvement of any third party.
STAKING AND AIRDROP: Holders of the SSN will be able to enter the amount of tokens they intend to stake in percentage. There will be a x percent fee for staking. Half of the staking fee will be burned; the other half will be shared among those who staked the tokens through percentage in a staking pool. There will be a reward for staked tokens from fees collected. X percent of all fees will be shared among those who staked, another x percent will be burned and the final x percent will be allocated to the team. In a situation where there is an unstaking of staked tokens, this will attract an x percent fee which will go to stakers and another half of it will be burnt. Tokens will be transferred into airdrop contacts and the list of addresses given. The contract can then filter the wallets through an automation process allowing the wallet to claim the qualified tokens.

• Token Creation

The SaleX platform will also offer a token creation process aside from the launch pad. The following illustration will explain better:

Developer Chain would love to make use of the SaleX platform to create, manage, and market their tokens. Here are the steps needed to create a token on the SaleX platform.

**Step 1:** Developer chain will need to fill in the token details starting from Entry of the token name to symbol sticker/ticker

**Step 2:** The developer team will enter the amount for team tokens by specifying the exact number of team wallets.

**Step 3:** After entering the amount, developer team is supposed to provide team wallets where tokens where created in FUD Entry of wallet address for team tokens

**Step 4:** The developer team will be required to enter the rates for presale, soft and hard cap, details for the raffle draw and number of winning tickets.

**Step 5:** The next step will be to enter the minimum and maximum contribution per wallet for the presale.

**Step 6:** The next requirement from developer chain, is the entry of percentage of funds to be locked in the SwapX. The team will also make available the listing price on SwapX.

**Step 7:** Last but not the least, the developer chain team will fill in the percentage for governance funds

After fulfilling the above steps 1-7, the token will be created and ready for launch as well as listing after launch.
### Details of Timing
- Presale start and end time
- DEX liquidity lockup time
- Start and end time for governance voting to release funds
- Team funds freeze time
- Finalize to show all details that have been entered. Subject to edit.

### SaleX REGULAR SALE DETAILS (TOKEN ALREADY CREATED)

For example, developer chain makes move to use the SaleX Launchpad for their project having created the tokens on a different platform. Here are the steps developer has to take to participate in a regular sale on the SaleX platform.

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Developer chain will have to enter the token address in the specified space created on the SaleX platform.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 2</td>
<td>The next form to be filled is the presale rate. Developer chain will need to choose a preferred rate.</td>
</tr>
<tr>
<td>Step 3</td>
<td>Developer chain will need to enter a soft and hard cap which will serve as target guidelines for the Launchpad goal.</td>
</tr>
<tr>
<td>Step 4</td>
<td>Developer chain is required to enter number of minutes for raffle investors using the SSN token as ticket.</td>
</tr>
<tr>
<td>Step 5</td>
<td>The following column will require the entry number of winning tickets in the raffle made available by the developer chain</td>
</tr>
<tr>
<td>Step 6</td>
<td>Developer chain team will need to provide details of the contribution limit</td>
</tr>
<tr>
<td>Step 7</td>
<td>The developer team will need to Enter the percentage figure of liquidity to be locked for SwapX</td>
</tr>
<tr>
<td>Step 8</td>
<td>Finally, the developer chain team will provide the listing rate for the SwapX listing.</td>
</tr>
</tbody>
</table>

### Details of Timing
- Presale start and end time
- DEX liquidity lockup time
- Finalize to show all details that have been entered. Subject to edit.
• **Flexible Lock Mechanism**

The token management system of SaleX, employs a smart flexible lock mechanism to ensure that project investors are protected. Project team will be compelled to fulfill the details listed below in order to continue the process of offering the project token on the SaleX platform:

- **Enter the token address**
- **Set the percentage of tokens to lock from the total supply**
- **Set the time to lock up**
- **Finalize**
- **An option to manage the locked liquidity**

• **MODUS OPERANDI FOR PRESALE INVESTORS**

- Holders of SSN token will be qualified for a raffle draw to get a chance to purchase presale in specified minutes before others join presale.

- Upon completion of presale, presale investors can exercise the prerogative to cancel presale by voting to cancel. This is also part of governance incorporated in the SaleX. Once a presale investor votes to cancel, the presale is held for the next thirty minutes and if 75% of investors vote to cancel within thirty minutes, then the presale will be cancelled and investors can withdraw their investment. This measure is one of our security practices to ensure safety of investors and investor funds.
xBET is a unique sports betting platform accessible to everyone around the world built on the blockchain. Payments will be made using multiple acceptable tokens on the xBET platform and not constrained to one currency like non-blockchain betting platforms. Bets can be placed using multiple tokens as well. The xBET will offer odds using a smart contract process which will accurately place and update odds offered on the platform. xBET users will be able to use the platform as a means to swap tokens through an entertaining process.

How? If a user places a bet on xBET with SSN tokens equivalent or above the minimum betting amount acceptable on the betting platform and the bet goes through (Won), the user can will be able to withdraw to wallet any token of choice as long as such token is acceptable on the xBET platform. Users can also see the total amount of bets placed as the codes will be open source. Apart from being able to see total stakes during a betting period, users will be able to see that there is a higher amount of liquidity kept aside for payments which matches the total amount of stakes made in a day. xBet will automatically reward stakers when bets are won using the smart contract.

SUPERLOTTO

The superlotto is a decentralized lottery platform built on the blockchain which will offer unique rewards for drawn up numbers and figures. The idea is to build a formidable entertainment platform for off-chain blockchain lovers to enjoy a smarter and uncompromising platform integrated with the key features on the blockchain and executed using smart contracts. Winners will be selected randomly without fear of cheating using smart contracts as instructions will be executed leaving decision making to the blockchain.
This is a multi-chain platform which will be used to monitor charts and transaction history across board. The xChart will allow users to access Token history and manage their portfolios. Chains such as binance smart chain, ethereum chain, polkadot which will be added and available to the supersonic ecosystem will also be available on poo-Coin. Users can do fundamentals before trading with any coin on swapX by making use of xChart as all coins listed on the supersonic finance decentralized exchange will have available information on the xChart platform. This product adds to the self-sufficiency feature of the supersonic finance ecosystem. With one click and within the same space, the supersonic finance community will be able to access all the products of the ecosystem.

This is a decentralized marketplace built on the blockchain for the sales of digital collectibles. NFTx will add value to the SSN token as it will be used for transactions on the marketplace. Users will be able to buy and sell NFTs ranging from arts, music, to any other item that can be digitized and acceptable on the platform.
The Supersonic Finance token is currently designed for reflections and liquidity servicing. This means that the token has automatic staking feature which gives holders the ability to earn more tokens. This is possible through the 10% tax on every transaction.

The **10% tax** on transactions are divided in the following format:

- **6%**
  - **Sent to the liquidity pool in BNB & SSN.**  
  - **Purpose:** To replenish the liquidity pool and guard it from liquidation.

- **4%**
  - **Sent to holders in proportion of their percentage holding.**  
  - **Purpose:** To encourage holders to keep holding their tokens.

### Smart Contract Address

- [https://bscscan.com/token/0x89d453108bd94b497bbb4496729cd26f92aba533](https://bscscan.com/token/0x89d453108bd94b497bbb4496729cd26f92aba533)

### How to Buy

To buy Supersonic Finance token on chain, you need set slippage between 11 - 12% on Pancakeswap

- [https://exchange.pancakeswap.finance/#/swap?outputCurrency=0x89d453108bd94b497bbb4496729cd26f92aba533](https://exchange.pancakeswap.finance/#/swap?outputCurrency=0x89d453108bd94b497bbb4496729cd26f92aba533)

### Other current CEX listings

- [https://www.lbank.info/exchange/ssn/usdt](https://www.lbank.info/exchange/ssn/usdt)
Features

SSN is the ticker for Supersonic Finance token (BEP20). This is the native token, which powers Super- sonic Finance ecosystem. The utilities of the SSN are detailed below. Holders of the SSN will perform functions ranging from obtaining value through the token to governance.

- **Payment**
  Because the goal of supersonic finance is to create a massive and self-sustaining ecosystem, liquidity will be copious, facilitating payment and conversion activities centred on SSN.

- **Governance**
  SSN is the tool that allows the community to have a say in how the protocol evolves. Several proposals will be submitted to modify the protocol, and because the ecosystem is decentralized and community-driven, anyone with an SSN will be able to vote on the proposed path.

- **Holders’ Reward**
  You earn more SSN tokens directly to your wallet so far you hold some SSN tokens. The tokens you earn are in proportion of the percentage of total SSN tokens being held which can be tracked here

  ```
  https://bscscan.com/token/0x89d453108bd94b497bbb4496729cd26f92aba533#balances
  ```
Supersonic Finance aims to develop a plethora of cross-chain products with unique features that will serve developers and end users efficiently thereby advancing decentralization in our world. The integration of Supersonic Finance with Chainlink for this process is foolproof given that both supersonic finance and chainlink cannot influence the decisions of the VRF during the selection process.

Chainlink VRF works by combining block data that is still unknown when the request is made with the oracle node’s pre-committed private key to generate both a random number and a cryptographic proof. The SaleX smart contract will only accept the random number input if it has a valid cryptographic proof, and the cryptographic proof can only be generated if the VRF process is tamper-proof. This provides our users with automated and verifiable assurances directly on-chain that SaleX is provably fair and cannot be tampered with by the oracle, outside entities, or the Supersonic Finance team.