



**Decentralized peer-to-peer  
marketplace & platform  
for lending services**

**Whitepaper 1.0.1**

# Contents

Abstract .....	3
Introduction .....	4
Our mission and our vision.....	6
Market dynamics.....	7
Peer-to-peer network .....	7
Peer-to-peer lending: The future of investment.....	7
How does it work?.....	7
Problem .....	8
Solutions.....	10
Overview of VOLIX P2P marketplace .....	10
VOLIX COIN (VOX) .....	10
Block rewards .....	11
Instant/Hypersend .....	11
Masternodes .....	11
Coin allocation:.....	12
Funds allocation .....	13
Roadmap .....	14
Conclusion .....	15

# Abstract

VOLIX is the first decentralized peer-to-peer marketplace & platform for lending services running on its own private blockchain secured by Masternodes. Furthermore, the passive income provided by the Masternodes will allow investors to grow their initial collateral.

Our lending marketplace will be built on a web-platform running Ethereum blockchain network and using multiple smart contracts to transfer VOX coins from an individual or an organization – which is the lender – to the loan applicant – which is the borrower.

The marketplace will allow a borrower to have fast access to his loan which will be issued in VOX coins. The borrower will need to deposit his own cryptocurrency into the VOLIX Wallet which is linked to the platform. This deposit will be held in escrow and serve as collateral to back the loan. In case of a non-payment the collateral will serve to settle the loan.

What sets Volix apart from other competing platforms in the peer-to-peer lending field is that we DO NOT provide the loans. Instead, our goal is to create a secure platform which will allow lenders and borrowers to meet and agree upon their own loan conditions including the amount, contract duration, interest rate, and everything pertaining to the loan. Our platform will change the way people make loans in the future by making it easier and more affordable than banks. Our ultimate game changing goal: allow our clients to benefit from fast access to their loans by depositing it directly on their VOLIX Wallet (Local, Web wallet and mobile wallet) that will support VOX coins.

## Message to potential contributors

This whitepaper's information may change as this is the first draft of our project deployment for the community to review. Join us on [www.volix.network](http://www.volix.network) to learn more and subscribe for the coin distribution plan, get your first bonus and tell us what you think of VOLIX on our Discord server.

# Introduction

The current lending market is still being run by the same archaic process implemented hundreds of years ago. Right now, we find ourselves in a technological era where cryptocurrency has gained major traction and its growth through time is very noticeable. We believe the blockchain will likely revolutionize our society as much as Internet in its time.

In this whitepaper, the blockchain will be defined as:

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*A blockchain is a registry of facts, replicated on several computers linked together by a peer-to-peer network. Network computers are called nodes. The communication between the nodes is encrypted and guarantees the identity of the sender and the recipient. When a node wants to add a new fact to the register, it proposes it to the network that forms a consensus to determine where (and especially when) this fact should be entered in the register. This consensus is called a block.*

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More competition in the global lending market, leads us to believe there will be more favorable lending opportunities for borrowers due to banks and lenders decreasing their interest rate to stay in the game. It is important to consider that this competition will

cause an increase in market liquidity. That would make the liquidity rate the same for different countries such as South-Africa, Brazil, India, Pakistan and many more, making them all equal when it comes to lending.

Removing banks as the mediator in wealth transfers between interested parties, a more uniform and democratic system of finance can be created where the world is divided much more equally, and wealth is much more easily accessible and transferable.

### **Financial democracy and ease of access**

By implementing Blockchain-reliant strategies, barriers are annihilated; Blockchain allows lenders and borrowers to arrange loans on the fly and anywhere in the world. This peer-to-peer market affects the liquidity of the current markets that have been restricted before.

# Our mission and our vision

Our main target is to develop blockchain peer-to-peer lending on a global scale, making it reliable and much easier to access as opposed to current banks and other lenders. The promise of our project is to bring the availability of the easy-to-obtain loan from anywhere in the world. It should be possible for a borrower in India to obtain a loan in Italy, China, Japan, or Germany and vice versa.

Our plan is to make a system where the banks are less in control. Banks charge anywhere from 6% to 20% of interest on loans when they need to lend liquidity to the market, but only give compensation of up to 1% for your bank assets, your savings account for example.

However, with the advent of cryptocurrency assets, people are free to hold their wealth how they see fit, essentially becoming their own banking establishments. VOLIX puts the power in your hands to fix an interest rate and decide who you want to lend your money to. This is all possible with blockchain, a revolutionary technology which VOLIX relies on.

## Effective and understandable User Interface

Ease of access is pointless without ease of use, and therefore VOLIX focuses heavily on the user experience. Our technical team will continually strive to find the best balance between all the innovations and improvements introduced in decentralized applications, and a user-friendly interface.

# Market dynamics

## Peer-to-peer network

Peer-to-peer networks are far from new. Napster and BitTorrent are P2P networks. Instead of exchanging music and movies, members of a blockchain exchange facts. But there is more.

On a P2P network, like other distributed systems, one of the most difficult problems of computing must be solved: conflict resolution, also known as reconciliation. Relational databases, however, guarantee referential integrity, but this does not exist in distributed systems. If two incompatible events occur at the same time in the same node, the system must provide rules to determine which one is valid.

In a P2P network, two facts sent roughly at the same time may arrive in different orders in distant nodes. Then how can the entire network agree on the first fact? To guarantee integrity over a P2P network, you need a way to make everyone agree on the ordering of facts. You need a consensus system. Consensus algorithms for distributed systems are a very active research field.

## Peer-to-peer lending: The future of investment

The process of borrowing starts when a loan is requested on the VOLIX peer-to-peer Lending Platform. Once the request has been made, a smart contract is generated and takes control of the rest of the process until you receive your loan in your VOLIX Wallet. This makes it much more risk-free in terms of transaction security.

Since all assets are locked and controlled by smart contracts which have propagated to hundreds of thousands of nodes in the blockchain, in the unlikely event the lending platform is ever hacked, the attacker would have to hack over 51% of these nodes to make any significant dents.

## How does it work?

The idea behind this project is to connect investors or lenders (people who want to lend their money) and borrowers (people who need a loan for a personal or a business project), via the VOLIX lending marketplace.

VOLIX marketplace will charge a small fee of 10% of every transaction on its platform, and also will allow users to have two options: to be a borrower or an investor. Let's begin with the investor's option: an investor on our platform can grow his portfolio by lending VOX coins to borrowers, fixing an interest rate and a desired contract duration, or by owning a Masternode that will provide passive income. This system will provide the VOLIX ecosystem with stability and security.

As a borrower, you will be able to file a loan application on our platform. This will automatically send email requests to active lenders who will make you a custom interest rate, which you will have to accept or decline, depending in your acceptance of this rate. The platform will also allow borrowers to search for lenders profiles or see a list of online lenders and send them a user-friendly smart contract for a loan proposition with the desired amount of VOX coins including the contract duration.

Since we do not already have efficient ways to measure the risk related to a loan assigned to a new client, our marketplace will require a deposit of a cryptocurrency collateral in your VOLIX Web-wallet to ensure the sincerity of both the borrower and the lender and protect the latter from non-payment of the loans he granted to borrowers. To protect our users from the volatility of the crypto market, our marketplace will allow only between 30% and 70% of the collateral amount as a loan to the borrower. This percentage will be chosen by the both parties when creating the loan smart contract, and also the interest rate and the contract duration.

The platform and the lender will both measure the activity of each borrower to give him a credit rating in order to give the chance to good borrowers to obtain a loan without having a collateral, subject to the lender approval. VOX coins will be traded in the most trusted platforms such as CryptoBridge, Crex24, Cryptopia and more.

## Problem

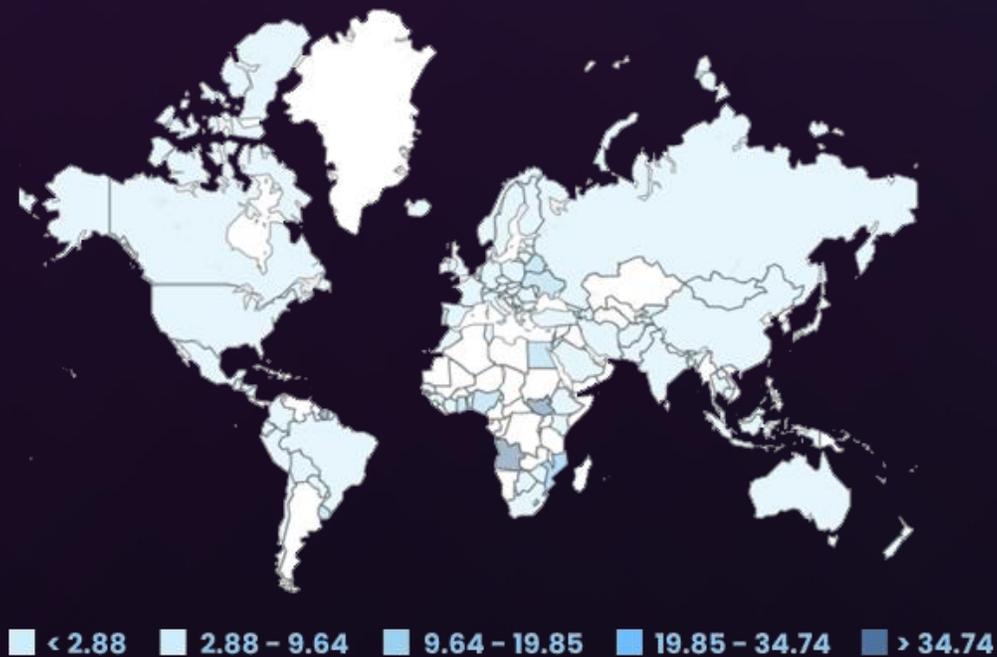
Loans between individuals or organizations in a decentralized blockchain make it possible to free yourself from the need of banks.

With the financial crisis, loans have become increasingly expensive, and savings books are getting less advantageous. We must tell the truth, the trust (quite relative) that people had in the banking system is gone. People are turning to alternative systems like the blockchain, reducing intermediaries and increasing their security. The reason is because banks required big collaterals for people who wanted a loan, which most borrowers do not have. Financial institutions also fix a higher rate for borrowers whose credit rating is

low, which is contradictory and makes the repayment power of the borrower quite limited regarding his financial situation.

The banking system could not escape this. With the 2008 financial crisis and hedge funds, millions of people discovered that their money was managed without any strategy and was invested on speculative stocks. Those people turned to Guaranteed Investment Certificates (GICs). A Guaranteed Investment Certificate (GIC) is a secure investment that guarantees 100% of the original amount that you invested. Your investment earns interest, at either a fixed or a variable rate, or based on a pre-determined formula.

Better than nothing? Barely. The consumer price index (the change in the prices of goods and services) is continuously in variation. For 2016, the world annual inflation rate average is between 2.88% and 9.64%. Actually, prices climb faster than the value of your investments. Consequence: your purchasing power decreases. In ten years, you can buy less things with your money than you could today, despite the interest paid. In the short term, the difference is not major. But after several years, it's huge!



# Solutions

## Overview of VOLIX P2P marketplace

Our mission is to connect investors or lenders (people who want to invest their money) and borrowers (people who need a loan for a personal or a business project), via the VOLIX lending platform.

VOLIX Platform will allow investors to lend VOX coins to borrowers and get rewarded with an interest rate beginning at 3.99% p.a. Also, it will allow investors to create fast masternodes and host it in a VPS. These masternodes make it possible to collect rewards on their VOLIX local wallet. These rewards can be reinvested in other masternodes when the collateral amount raised from those rewards is enough so you can take advantage of the magical powers of compounding, giving the possibility to the borrower to withdraw the gained value or, to use it to pay the lender quicker and regain access to your collateral in case you want to reinvest it in masternodes.

## VOLIX COIN (VOX)

**VOX coins are not securities, shares, or investments. They are commodity-based coins on our Volix Network Blockchain designed to work in our own ecosystem**

The VOX coins will be limited to: **32,999,995 VOX**

\*Based on the block height and our custom variable block reward system.

**Algorithm:** QUARK

**Ticker:** VOX

**Coinbase maturity:** 20 blocks

**Block time:** 60 seconds

**Masternode collateral:** 5000 VOX

**Premine:** 1,000,000 VOX

## Block rewards

Phase	Blocks	Reward	MN (80%)	POS (20%)
1	720 - 10 000	1	0.8	0.2
2	10 001 - 50 000	10	8	2
3	50 001 - 100 000	25	20	5
4	100 001 - 150 000	50	40	10
5	150 001 - 200 000	100	80	20
6	200 001 - 250 000	75	60	15
7	250 001 - 300 000	50	40	10
8	300 001 - 350 000	25	20	5
9	350 001 - 4 007 483	5	4	1
10	4 007 483 - infinite	-	-	-

## Instant/Hypersend

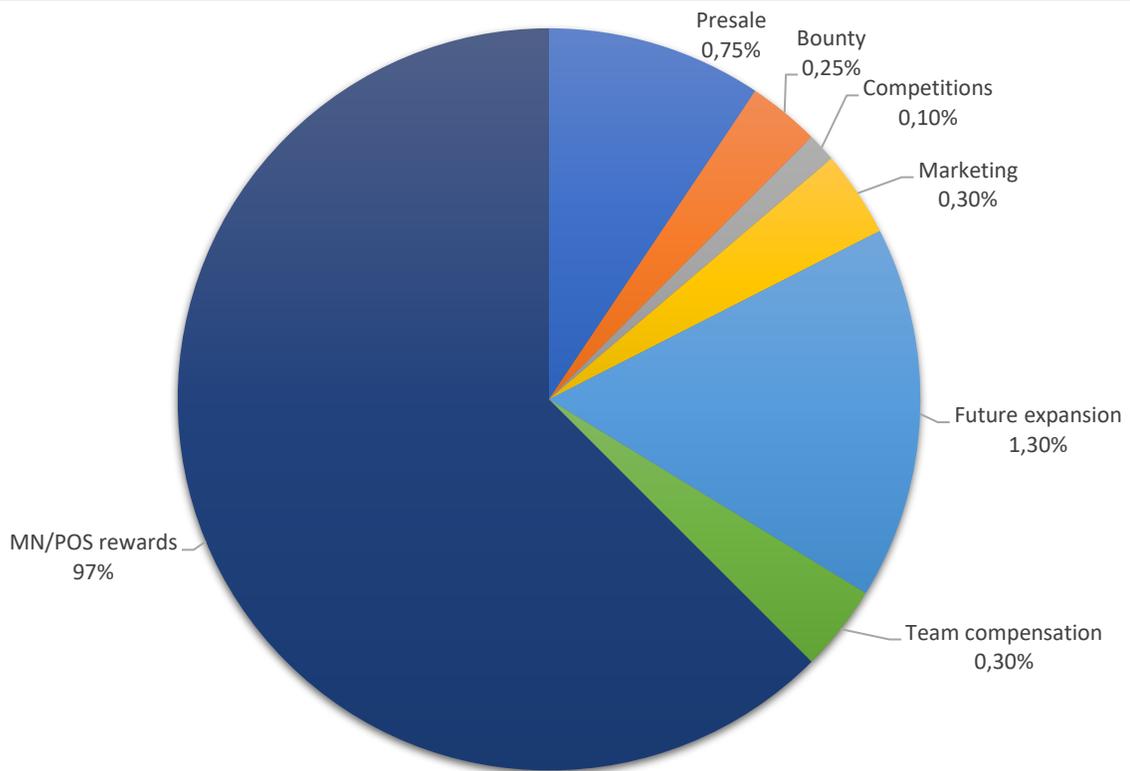
The instant or fast send feature allows users to send their VOX coins via their VOX wallet and make it spendable within seconds. It solves the issue of confirmation delays which has become one of the biggest problems for the Bitcoin network.

## Masternodes

Masternodes are the nodes which receive rewards for serving the network. Incentives are based on the availability of a node and its capability to serve the network in the decentralized chain. Collateral of 5000 VOX coins is required to run a masternode. Hence, masternodes are a fundamental requirement of the VOX network and the rewards for masternodes are higher compared to normal staking in future wallet updates.

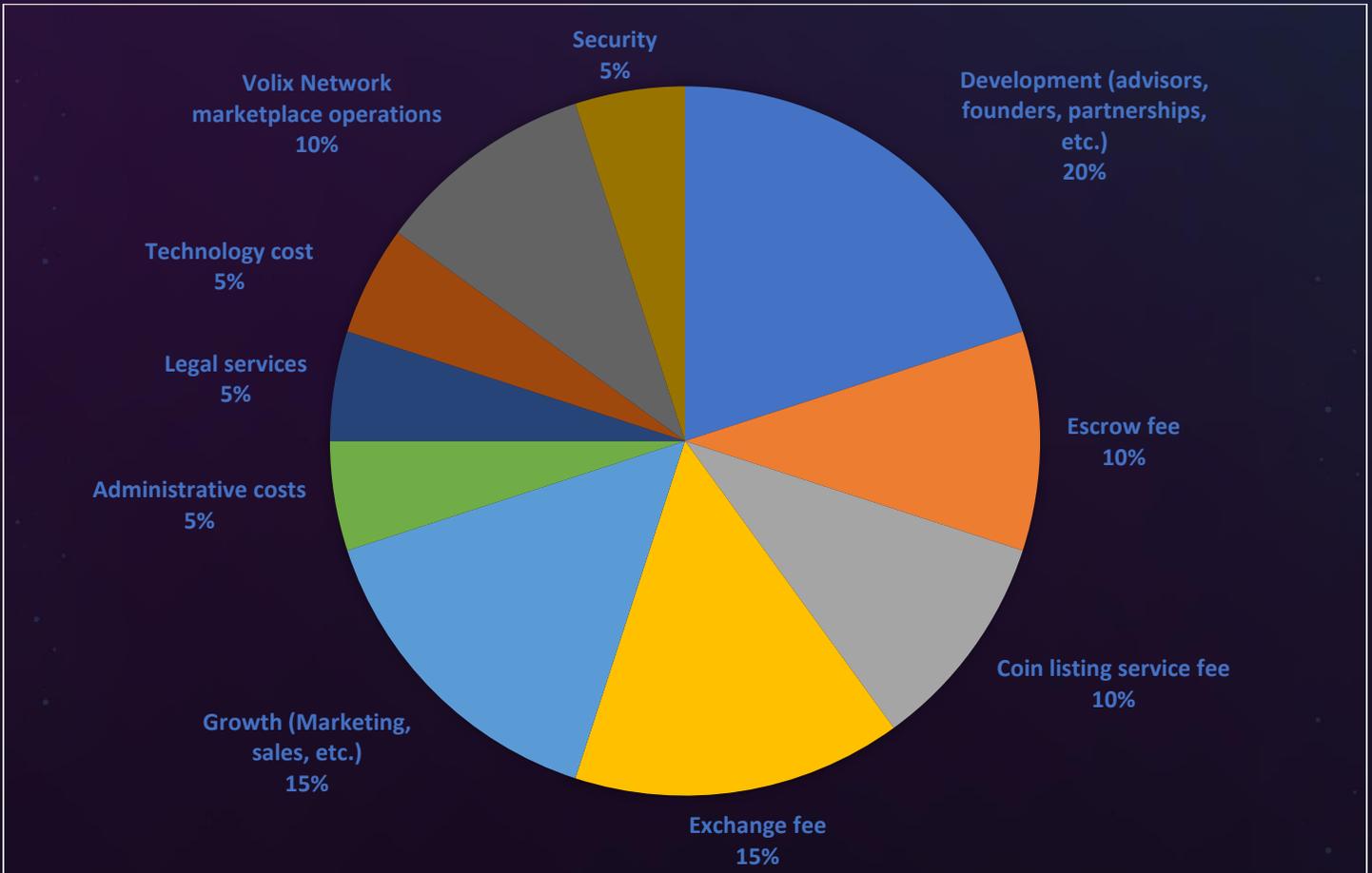
Staking, (or minting), is the concept of rewarding VOX holders who support the network by keeping their wallets connected to the network. The minimum number of coins required for staking is 1 that have at least 101 confirmations.

# Coin allocation:



■ Presale ■ Bounty ■ Competitions ■ Marketing ■ Future expansion ■ Team compensation ■ MN/POS rewards

# Funds allocation



# Roadmap

## Q2 2018

- ⚙️ Volix Network concept development
- ⚙️ Volix name and logo creation
- ⚙️ Whitepaper first draft

## Q3 2018

- ⚙️ New team members adds to the project
- ⚙️ Start of Volix blockchain development
- ⚙️ Volix Network website design
- ⚙️ Windows, Linux and Mac wallets
- ⚙️ Block Explorer
- ⚙️ Masternode script

## Q4 2018

- ⚙️ Official launch
- ⚙️ Listings on exchanges
- ⚙️ Listings on masternodes monitoring services
- ⚙️ Listing on shared masternodes services
- ⚙️ Listing on Coinmarketcap and mobile monitoring apps (Delta, Blockfolio)
- ⚙️ Marketing campaign

## Q1 2019

- ⚙️ Start development of our marketplace
- ⚙️ Mobile wallets release
- ⚙️ Update wallet User Interface design
- ⚙️ Beta marketplace, web wallets
- ⚙️ Marketing campaign

## Q2 2019

- ⚙️ Partnerships
- ⚙️ Market expansion to other countries
- ⚙️ Start of our marketplace
- ⚙️ Company registration

# Conclusion

## **A bright future for decentralized blockchain lending**

The idea of VOLIX decentralized peer-to-peer lending marketplace and borrowing platform is continuously being improved, updated and made stronger by our team to remain one step ahead of the rising demand for decentralized lending.

VOLIX Lending Platform allows users to be much more carefree with their lendings and borrowings while making the market much more viable, accessible, and scalable.

The road to decentralization starts today and this path will be consistent, creative, innovative, efficient, proficient, and available for people all over the world without exceptions or obstacles.