# Lines
# Draftpaper

# Contents

# Disclaimer

All of the information presented in this draftpaper
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None of the information herein should be construed
as legal, accounting, or investment advice of any kind.

This document does not represent a solicitation
for investment, nor does it represent an offering or
sale, public or private, of any kind of nancial
instrument, security or otherwise, in any jurisdiction.

This whitepaper is provided as-is, for informational
purposes only, with the intention of describing
a prospective software system.

# Introduction

Nowadays, the lack of easy-to-use and transparent solutions in cryptocurrencies prevents growth of their popularity and, therefore, development. Someone who is unaware of cryptocurrencies is unlikely to be willing to deeply understand the technical aspects of how is the blockchain working but that doesn't necessarily mean he does not need cryptocurrency.

Safety, ability for the owners to have full control over their money, no need to report to any third party – these are the reasons that make us move from traditional financial institutions towards cryptocurrency.

At the same time, the integration of cryptocurrencies is discouraged by such problems as insufficiently developed infrastructure, challenges in buying/selling, complicated process of exchange for traditional goods and lack of public awareness.

# About Lines

Lines is an open-source platform based on Cryptonote algorithm. Main principles of Lines are security, privacy and ease of use.

The development direction in 2018 will be driven in the way of implementation of the most easy to use and convenient tools for both customers and third party developers.

In addition, we are interested in the evolution of Cryptonote technology that we are using and we strive to ensure maximum safety for the users. For that purpose, regular bug-bounty campaigns will be launched in order to make this happen and a strong community will be formed, the activity in which will be encouraged and rewarded accordingly.
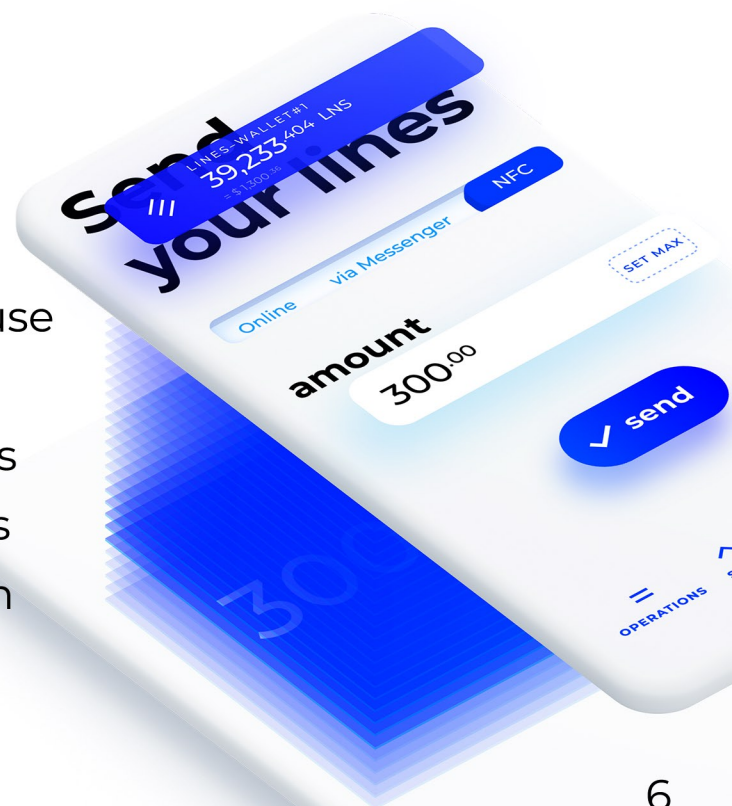
# Features

## Almost zero fee

Transaction fee in Lines is around zero LNS.

## Completely secure & private

Lines cryptocurrency is based on Cryptonote algorithm – one of the most private algorithms, the advantage of which is the ability to make confidential and safe transfers, requiring confirmation of several blocks prior for the transaction to be unlocked and processed.

## Easy to use

Simplicity and convenience of daily use due to low fees, simple interfaces and mechanisms of coins transfers as well as a web-wallet and light-wallets which do not require synchronization with the blockchain.

# Community-oriented

Involvement of skilled and purposeful developers to solve possible issues related to Cryptonote, to modify core and to develop new software products.

Our project is an engaging platform for developers because it has an open source code and a wide documentation.

For those people who are interested in the development of truly anonymous cryptocurrency, a bug-bounty campaign and a full support from the development team will be provided.

# Supply & Emission

## Total supply

1,000,000,000 LNS

## Premine

40,000,000 LNS
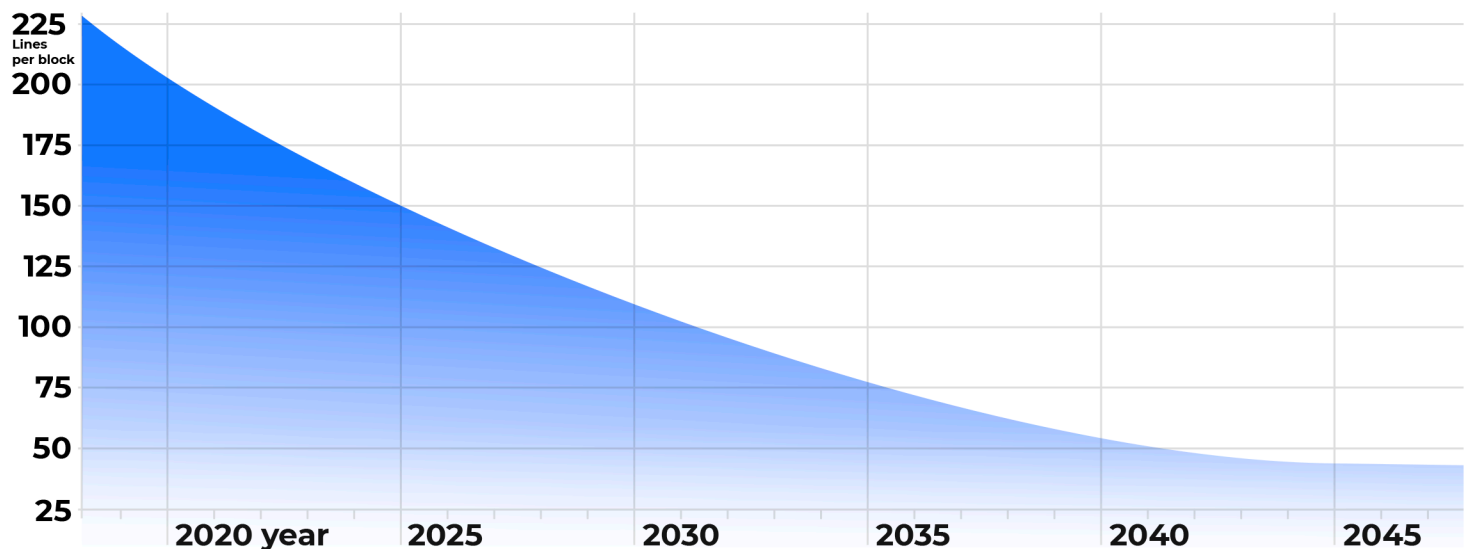
## Hash algorithm

CryptoNight

## Block time

120 seconds

## Difficulty

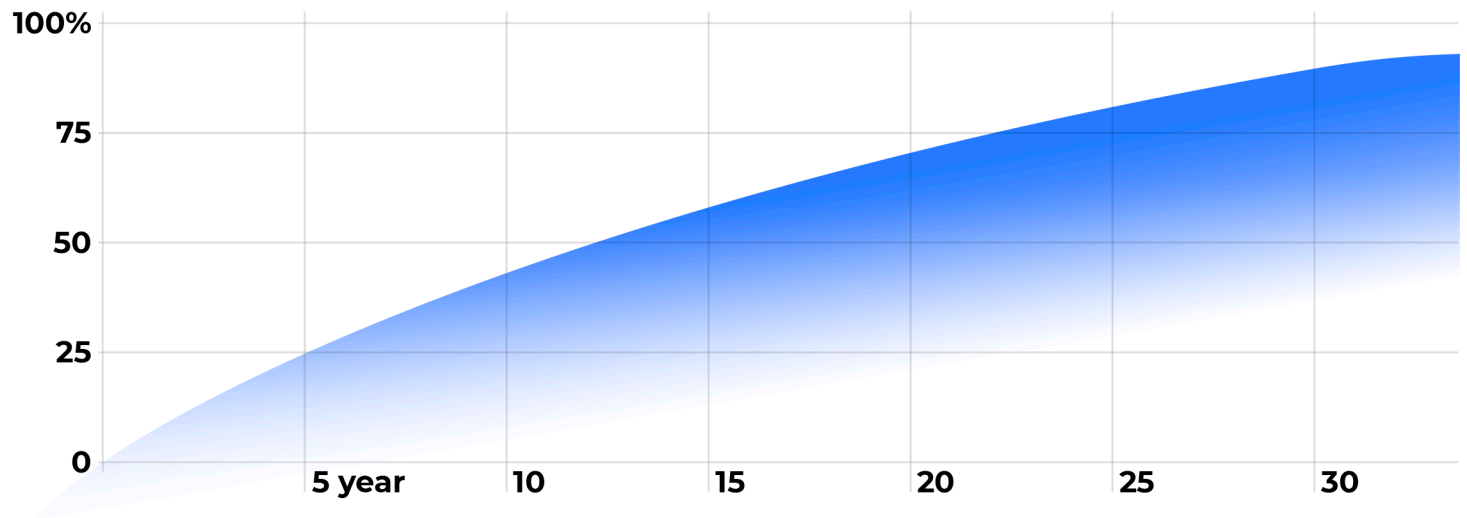Automatically adjusted for each block

## Block reward

First time block reward is not less than 220 LNS
and it's correction will never exceed 0.039 LNS per day.

# Emission speed

No hyperinflation.

Low fees and profit for miners for over 30 years.

# Premine

It has been decided that 4% of coins will be premined. These are to be distributed into several groups based on purpose of use:

— **Marketing**

— **Airdrop**

— **Listing on exchanges**

— **Reward for developers, including third-party devs**

— **Bug Bounty Campaign**

# Mining

## Basic principles:

Remove the gap between CPU/GPU/FPGA/ASIC miners. Some users can have a certain advantage over others, but their investments should grow at least linearly with the power.

Remove difficulty bombs in order to automatically adjust difficulty in each block allowing Lines miners to get rid of the problems associated with their mining hardware to become unprofitable.

The given supply curve was chosen to maintain the lowest fees for users and the profit to miners for a long time (more than 15 years).

# Roadmap

Here's our plans for 2018. At the end of the year we'll publish the annual report and roadmap for 2019

**February**     **Testnet launch**

Extensive testing and bug fixing.

**March**     **Mainnet**

Mainnet is ready to be launched.

## March 19, 20:00 UTC     Mainnet launch

**April**     **Desktop Wallet**

Release of a stable desktop wallet (for Windows, macOS, Linux) with full-node support and built-in mining functionality.

**May**     **Lines Lightwallet and full Whitepaper**

Release of a stable light wallet for desktops (Windows, macOS, Linux) with no need of synchronization with the blockchain & publish a full Lines Whitepaper.

**June — Jule Release of Mobile Wallets**

Release of a stable light wallet* for Android and iOS.

*release of a full-node for mobile platforms is not planned because there is no real use of such a solution.*

**August**      **Exchange listing and launch of Proprietary Exchange Service**

Start of Lines trading will define the initial price of Lines triggering a full start of Lines as a way of payment.

**September  Release of Online–Wallet**

**October**      **Release of Lines WalletBiz**

Solution for business allowing to receive and process payments in Lines. This solution can be used by online stores and other web services to receive payments for services and goods.

*This product is currently implemented but needs to be described and documented in order to be easily adoptive for third-party developers.*

**Oct — Nov  Lines Bug Bounty Program**

Within the framework of this program we plan to attract actual hackers, whose experience and skills will

allow us to test every element of our network for strength, identify obstacles and bottlenecks and effectively tackle them.

Ethical hackers are most suitable for this purpose, since their approaches and tools are the closest to what real hackers use. This means that the attack algorithms they identify can be applied as quickly as possible and require immediate resolution.

In the next two months of the main bug bounty campaign, the development team will work closely with hackers of different specializations, cryptographers and mathematicians, who will help us to protect both customer funds and their anonymity.

After the end of the two-month active phase, the 2018 bug hunting program continues to function, but only, we hope, due to the interest of third-party developers.

*To mitigate some of the risks, reports of hacker teams will be published only after the vulnerabilities are eliminpated.

**December    NFC prototype**

The first prototype of the process of coins transfer through NFC. This prototype should be considered as a part of the work on usability of the coin and the beginning of the research in the field of off-chain transactions

# Lines contacts

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