LottoDeFi - Official Whitepaper (v1.2)

Executive Summary

LottoDeFi is a decentralized, automated lottery smart contract built on blockchain technology on the Binance Smart Chain (BEP-20). Monthly draws are 100% on-chain, with Chainlink VRF auditable randomness. The entire operation is managed by smart contracts and decentralized automation services, eliminating any human manipulation.

Introduction

LottoDeFi revolutionizes the lottery industry by eliminating intermediaries, automating processes, and ensuring fairness, transparency, and traceability. Users who hold the LDF token automatically participate in the monthly draws and compete for prizes passively.

Project Overview

The project features the LottoDeFi token (LDF) — a BEP-20 token with a maximum supply of 500,000 units. Every 30-day cycle, an automatic draw is held with 103 randomly selected winners. Participation is simple: any wallet that holds LDF is automatically able to participate in the draws, as long as it is active and has a positive balance.

Lottery Mechanism

• The lottery is executed in a completely automated way, with no need for manual interaction.• The contract uses Chainlink VRF (Verifiable Random Function) to generate a secure and verifiable random number.• The draw is executed by Chainlink Automation, which activates the draw automatically after the 30-day interval and eligibility conditions.• 103 winners are selected per draw,   with prize distribution according to the following structure:

 1st Place: 1 winner — 50% 2nd Place: 1 winner — 25% 3rd Place: 1 winner — 15% 4th to 103rd Place: 100 winners — 10% (divided equally)

The prize pool is automatically stocked with part of the token's transaction fees.

Tokenomics

• Name: LottoDeFi Token (LDF)• Type: BEP-20• Network: Binance Smart Chain (BSC)• Maximum Supply: 500,000 LDF• Transaction Fee: Adjustable between 10 to 100 BPS• Fee Distribution: - Part for the lottery pool - Part for the continuous development of the project

Governance and Security

The security and integrity of the protocol are managed by an external module called SecurityMaintenance, which allows:• Secure parameter change• Update of contracts with scheduled delay• Emergency pause (circuit breaker)• Migration of tokens from old contracts

Script

• Q1: Completed — Launch of V1 and initial token distribution• Q2: Completed — Integration with Chainlink VRF and Chainlink Automation• Q3: Token listing on decentralized exchanges (ongoing)• Q4: Introduction of DAO staking and governance functionalities

Conclusion

LottoDeFi is a robust and decentralized solution for lotteries, combining transparency, automation, and fairness with the efficiency of blockchain. Its automatic draws, sustainable tokenomics, and modular architecture represent a safe and fair evolution in the DeFi universe.