Project White Paper

V1.0

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Abstract

This document provides the ideas and goals behind of the OnChainWin project and provides detailed information about the technical aspects.

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Executive Summary

Welcome to OnChainWin, a pioneering platform in the web3 entertainment space focusing on lottery and gambling services. Leveraging blockchain technology, OnChainWin introduces an unprecedented level of fairness, transparency, and trust to industries traditionally plagued by opacity and suspicion. This white paper outlines our innovative approach, technical mechanisms, user engagement strategies, financial models, and future roadmaps to establish a robust framework for secure and transparent lottery experiences.

1. Introduction

OnChainWin harnesses the disruptive power of blockchain technology to offer a transformative experience in the lottery and gambling sectors. By integrating smart contracts and decentralized systems, we ensure every participant an equitable chance at entertainment and potential gains without the traditional risks of manipulation or fraud.

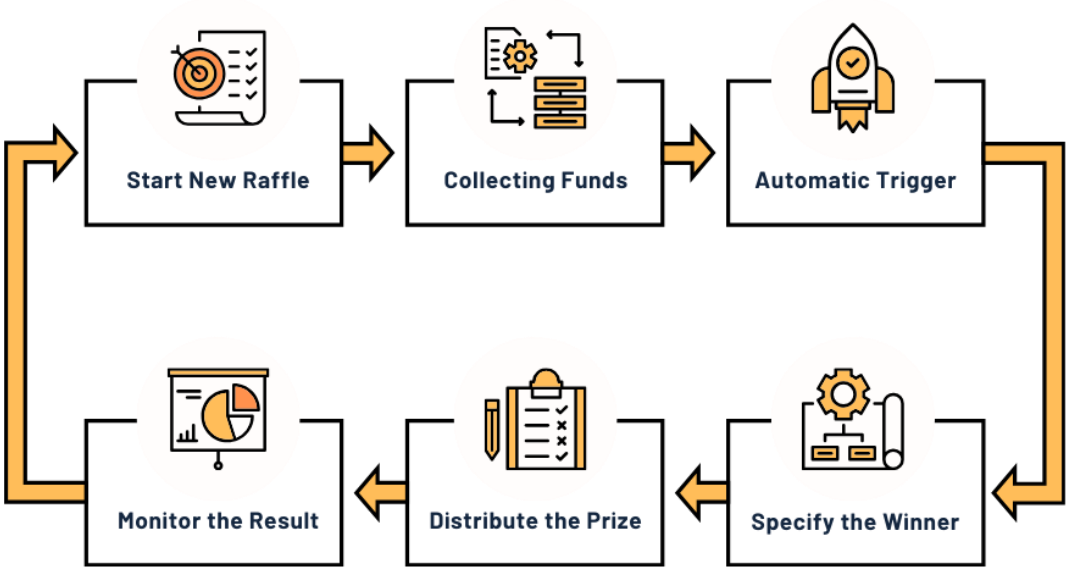
1.1 Operational Mechanism

Smart Contract Integration

At the core of OnChainWin's operations is a sophisticated smart contract system designed to execute draws with complete autonomy. These contracts activate with each new draw announcement, managing the collection, escrow, and distribution of funds without human interference. This system not only streamlines operations but also fortifies them against the vulnerabilities associated with manual processes.

Importance of Blockchain Technology

Blockchain technology is crucial not only for its ability to automate processes but also for its role in ensuring transparency and security. Each transaction and draw result is recorded on the blockchain, providing an immutable and publicly verifiable ledger that enhances user trust and satisfaction.



2. Technical Aspects

Our commitment to transparency extends to our smart contract and transaction history, both of which are readily accessible for public viewing on our website or through any reputable third-party transaction tracker. Transparency also shines through in our handling of wallet addresses, which display all community-provided funds and distributions with crystal clarity.

2.1.Smart Contract Details

The OnChainWin smart contract is fully transparent and available for scrutiny by any interested party. It is engineered to facilitate automated lottery operations from the moment a new draw is launched until winners are declared and prizes distributed.

```solidity
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.24;

import "@openzeppelin/contracts/security/ReentrancyGuard.sol";

// \\
// Created by Clodron
// If you want to create a new project, please contact me @
// info@clodron.com
// \\

contract FreeTimerOnChainWin is ReentrancyGuard {
    address public owner;
    mapping(address => bool) public hasEntered;
    address[] public players;
    address[] public winnerAddresses;
    mapping(address => uint256) public winnerWins;
    bool public raffleStatus;
    uint256 public prizeAmount;
    uint256 public raffleEndTime;
    uint256 public ticketsSoldThisRound;

    event NewEntry(address indexed player, uint256 numberOfEntries);

    event RaffleStarted(uint256 prizeAmount, uint256 endTime);
```

```solidity
// SPDX-License-Identifier: MIT
// OpenZeppelin Contracts (last updated v4.9.0) (security/ReentrancyGuard.sol)

pragma solidity ^0.8.0;

/**
 * @dev Contract module that helps prevent reentrant calls to a function.
 *
 * Inheriting from `ReentrancyGuard` will make the {nonReentrant} modifier
 * available, which can be applied to functions to make sure there are no nested
 * (reentrant) calls to them.
 *
 * Note that because there is a single `nonReentrant` guard, functions marked as
 * `nonReentrant` may not call one another. This can be worked around by making
 * those functions `private`, and then adding `external` `nonReentrant` entry
 * points to them.
 *
 * TIP: If you would like to learn more about reentrancy and alternative ways
 * to protect against it, check out our blog post
 * https://blog.openzeppelin.com/reentrancy-after-istanbul/[Reentrancy After Istanbul].
 */
abstract contract ReentrancyGuard {
    // Booleans are more expensive than uint256 or any type that takes up a full
    // word because each write operation emits an extra SLOAD to first read the
    // slot's contents, replace the bits taken up by the boolean, and then write
```

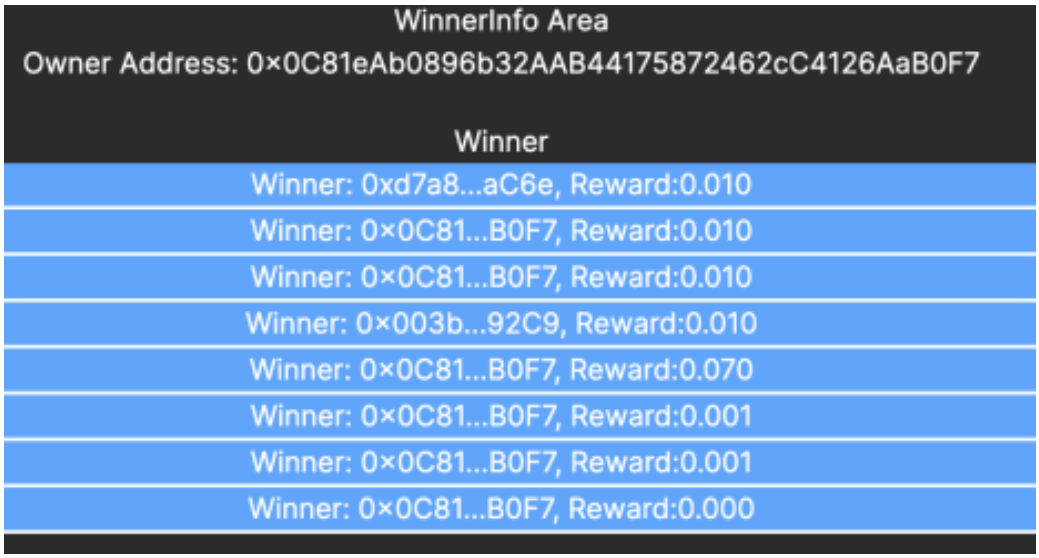
2.2.Transparency and Monitoring

Public Auditability

All interactions with our smart contract, including fund flows and prize distributions, are visible on the blockchain. This transparency ensures that all participants can verify the integrity of every draw independently.

Real-Time Monitoring

Participants can track their transactions, ticket purchases, and prize distributions in real-time via our platform or through third-party blockchain explorers. This not only enhances user engagement but also reinforces the trust in our processes.



3. User Journey

Easy Onboarding

Joining OnChainWin requires only a web3-compatible wallet. Users can quickly connect their wallets to our platform, navigate through a user-friendly interface, and participate in the draws of their choice.

Lottery Types

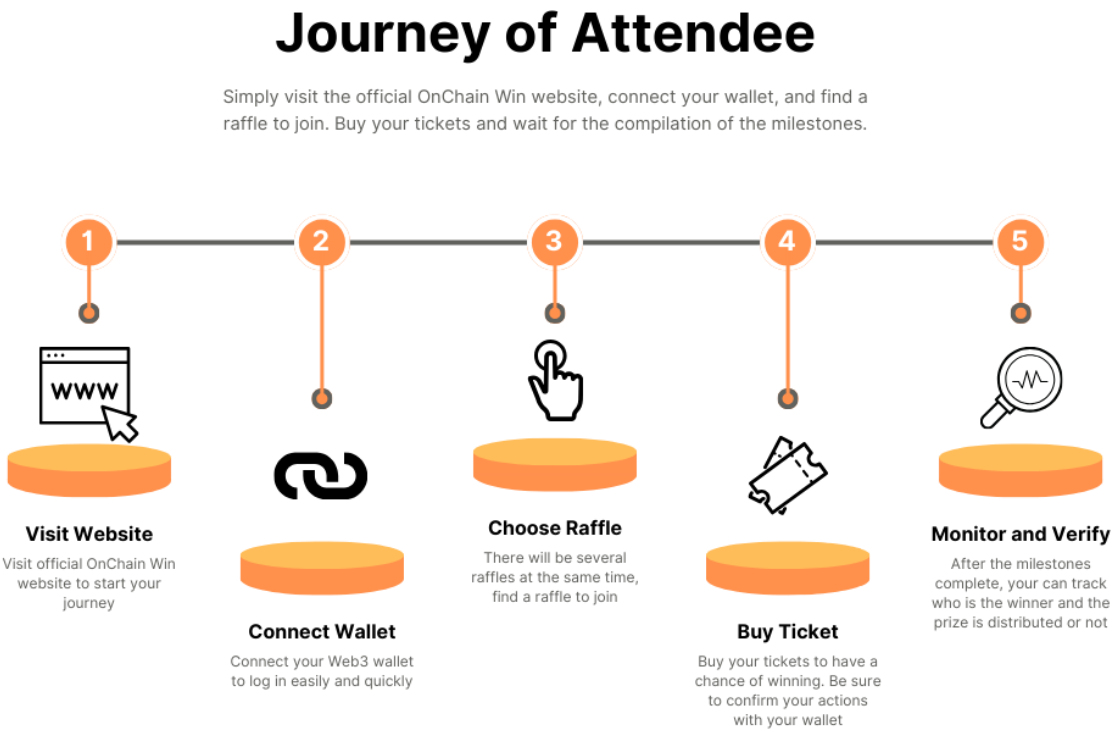
Free Entry Draws

These are promotional lotteries offered free of charge, aimed at increasing community engagement and rewarding loyal users.

Paid Entry Draws

These draws form the core of our offering, where participants buy tickets, contributing to the prize pool, which is then redistributed to the winners.

PS: A nominal amount in the wallet to cover transaction fees (gas fees) is necessary for participation. These fees are part of the network's infrastructure and not specific charges by OnChainWin.



4. Road Map

OnChainWin is dedicated and has a complete vision to create community, deliver value and change lives as much as we can. The main goal of our team is to allow community to help each other.

- 1st May: Public Beta is live
- 1st July: Main Net Test is live!
- 1st August: OnChainWin is live!
- 15th August: Paid Raffle Winners
- 1st September: Free Raffle Winners
- 1st January: OCW Token and V2 Launch

5. Financial Model

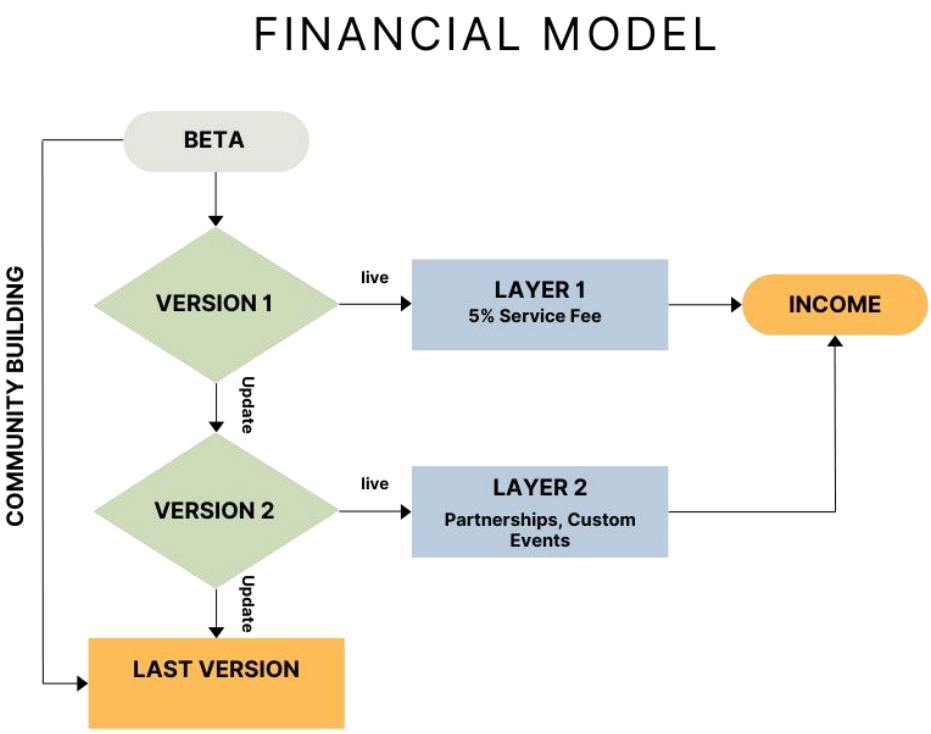
OnChainWin has 2 layers of financial model and income model.

Layer 1: Service Fee

A transparent fee structure includes a 5% service charge on ticket sales for paid draws, essential for sustaining platform operations.

Layer 2: Community-Driven Initiatives

Leveraging community strength, we plan to expand through partnerships, adding diverse entertainment options and exclusive events for participants.



6. Conclusion and Future

OnChainWin is set to redefine the web3 entertainment landscape by delivering a secure, transparent, and fair platform for lottery and gambling enthusiasts. Through innovative technology, strategic growth initiatives, and a commitment to community and trust, OnChainWin promises to be a beacon of integrity and excitement in the digital age.

We invite all interested parties—participants, developers, and investors—to join us in this exciting venture, contributing to and benefiting from the future of decentralized entertainment.