Latest Audit - 2022/12/15

Wistaverse

0xB7042C40De76CFc607aC05e68F9C28A778F0C8a6

Static analysis | Dynamic analysis | Symbolic Execution | SWC check

Wistaverse is an innovative tool for shared democracy. Reinventing social actions using blockchain technologies and the metaverse to unite, protect and give a voice to people. Your wallet is your digital identity, your avatar is your digital self. Come protest in the Wistaverse in a fully immersive live event with your community. Make sure your voice is heard no matter your age, your health condition or your geographic location.

CONTRACT ADDRESS 0xB704...F0C8a6	NETWORK Polygon	LICENSE MIT	COMPILER v0.8.17+commit.8df45f5f
TYPE N/A	LANGUAGE Solidity	REQUEST DATE 2022/07/08	REVISION DATE 2022/12/15

CRITICAL	HIGH	MEDIUM	LOW	INFORMATIONAL	OPTIMIZATION
Passed	Passed	Passed	Passed	Passed	Passed

Owner privileges

No critical issues found
The contract does not contain issues of high or medium criticality. This means that no known vulnerabilities were found in the source code.

Contract owner cannot mint
It is not possible to mint new tokens.

Contract owner cannot blacklist addresses.
It is not possible to lock user funds by blacklisting addresses.

Contract owner cannot set high fees
The fees, if applicable, can be a maximum of 25% or lower. The contract can therefore not be locked. Please take a look in the comment section for more details.

Contract cannot be locked
Owner cannot lock any user funds.

Token cannot be burned
There is no burn function within the contract.

Ownership is not renounced
Contract can be manipulated by owner functions.

Comments

Taxes
The owner can't set the fees over 0.5%. It's the maximum of the contract.

Comment from the team
Team will renounce the contract ownership once the protocol is final, tested and functional.

Audit Scope

This audit covered the following files listed below with a SHA-1 Hash. The above token Team provided us with the files that needs to be tested.

We will verify the following claims:

- Correct implementation of Token standard
- Deployer cannot mint any new tokens
- Deployer cannot burn or lock user funds
- Deployer cannot pause the contract
- Overall checkup (Smart Contract Security)

The auditing process follows a routine series of steps:

- Review of the specifications, sources, and instructions provided to SolidProof to make sure we understand the size, scope, and functionality of the smart contract.
- Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- Comparison to specification, which is the process of checking whether the code does what the specifications, sources, and instructions provided to SolidProof describe.
- Test coverage analysis, which is the process of determining whether the test cases are actually covering the code and how much code is exercised when we run those test cases.
- Symbolic execution, which is analysing a program to determine what inputs causes each part of a program to execute.
- Best practices review, which is a review of the smart contracts to improve efficiency, effectiveness, clarify, maintainability, security, and control based on the established industry and academic practices, recommendations, and research.
- Specific, itemized, actionable recommendations to help you take steps to secure your smart contracts.

A file with a different Hash has been modified, intentionally or otherwise, after the security review. A different Hash could be (but not necessarily) an indication of a changed condition or potential vulnerability that was not within the scope of this review.

Wistaverse.sol
`8a9c0e44b21ae831f299ec3ae0cabc6ca40654ea`

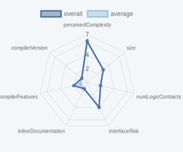
Audit Details

Throughout the review process, care was taken to evaluate the repository for security-related issues, code quality, and adherence to specification and best practices. To do so, reviewed line-by-line by our team of expert pentesters and smart contract developers, documenting any issues as there were discovered.

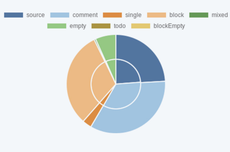
Risk represents the probability that a certain source-threat will exploit vulnerability, and the impact of that event on the organization or system. Risk Level is computed based on CVSS version 3.0.

Diagrams

Risk Chart



Source Lines Chart



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