Mesh Token Audit

SMCAuditors

https://smcauditors.com / info@smcauditors.com

26th of December 2021

This document is the audit of Mesh Token smart contract performed by SMCAuditors.

1. Executive Summary

This report was written to provide a security audit for Mesh Token (https://mesh-engine.com) Binance Smart Chain smart contract. SMCAuditors conducted the audit focusing on whether Mesh Token smart contract is designed and implemented without any security vulnerabilities. The contract is listed below with its link.

- https://bscscan.com/address/0xff2a4aa862e79fe500081a33a1163b6dd1ce24da

Mesh team requested a rigorous review of their code. We have run an extensive static analysis of the codebase as well as standard security assessment utilizing industry-approved tools. There are no critical/high-level issues with the currently deployed token contract. Our low-level findings are available in the next section.

2. Audit Findings

Low Level Findings

- Ownership has not been renounced.
- The owner has the ability to update the fees to any percentage at any time.
- The owner of the contract can exclude and include accounts from transfer fees and reward distribution.
- The owner has the ability to blacklist any address at any time.
- _getCurrentSupply function uses a loop to find and remove addresses from the _excluded list. The function will be aborted with OUT_OF_GAS exception if there will be a long excluded addresses list. You can use EnumerableSet instead of an array or not use long arrays.

3. Conclusion

In this audit, we thoroughly analyzed the Mesh Token smart contract. Our identified issues are promptly confirmed, taken into consideration, and resolved accordingly.

4. Disclaimer

This report is not advice on investment, nor does it guarantee the adequacy of a business model and/or a bug-free code. This report should be used only to discuss known technical problems. It will be necessary to resolve addressed issues and conduct thorough tests to ensure the safety of the smart contract.