



MiniHollywoodDoge
Smart Contract Security Audit

Date 13/July/2021

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER: By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and ApeAudits and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (ApeAudits) owe no duty of care towards you or any other person, nor does ApeAudits make any warranty or representation to any person on the accuracy or completeness of the report. The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and ApeAudits hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, ApeAudits hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against ApeAudits, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report.

The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Purpose

This document details ApeAudits' findings and recommended solutions. This audit was performed on July 13, 2021. We audited an deployed contract. At the time of our audit, the contract's ownership had not been renounced.

Token Name	MiniHollywoodDoge
Token Symbol	MOLLYDOGE ★
Contract Address	0x96aC1E773677FA02726B5A670CA96a7aDf7F8523
BSCScan Link	https://bscscan.com/address/0x96ac1e773677fa02726b5a670ca96a7adf7f8523#code

Findings

NO.	Audit Items	Audit Subclass	Audit Subclass Result
1	Overflow Audit	N/A	Passed
2	Race Conditions Audit	N/A	Passed
3	Authority Control Audit	Permission Vulnerability Audit Excessive Auditing Authority	Failed Passed
4	Safe Design Audit	Zeppelin Module Safe Compiler Version Hard-coded Version Fallback Function Safeuse Show Coding Security Function Return Value Security Call Function Security	Passed Passed Passed Passed Passed Passed
5	Denial of Service Audit	N/A	Passed
6	Gas Optimization Audit	N/A	Passed
7	Design Logic Audit	N/A	Passed
8	Malicious Event Log Audit	N/A	Passed
9	"False Deposit" Vulnerability Audit	N/A	Passed
10	Uninitialized Storage Pointers Audit	N/A	Passed
11	Arithmetic Accuracy Deviation Audit	N/A	Passed

High Severity Issues

- None.

Medium Severity Issues

- **Issue:**
The functions `lock(uint256)` and `unlock()` can be used to reclaim ownership after it has been renounced. Ownership has not been renounced, and the contract's functions suggest the owners do not plan to renounce ownership.

Comments:

If the contract's owners have no plans to renounce ownership, this is not an issue. However, they should be transparent about their plans, according to the values set forth in their Litepaper.

- **Issues:**
The contract does not add liquidity, unlike its predecessors, and this is not readily apparent information. All taxes collected go directly to the team wallet. The contract owners can change the tax fees as they see fit, and can choose fees anywhere between 1% and 25%. The contract owners can also change the team address that receives rewards, which could be used to hide the amount that they have collected through fees.

Comments:

While this provides a great incentive to the team to continue work on their project, we recommend that they be transparent about their owner privileges. We also recommend that they protect their owner account carefully - ideally with a multisig wallet.

Low Severity Issues

- None.

Conclusion

Medium severity issues found. Contract ownership can be reclaimed through a bug, all fees go to the owners, and the owners have a lot of control over the amount of fees collected and their destination. The potential amount of fees provides a large incentive for the owners to continue work on their project, but we recommend that they be transparent about their privileges.

ApeAudits note:

Please check the disclaimer above and note, the audit is provided 'as-is' and makes no statements or warranties whatsoever. The report is provided only for the contract(s) mentioned in the report.

Appendix

All additional information from our audit can be found at
<https://github.com/ApeAudits1/minihollywoodoge-extras>