🐱 **RUGDOG**

SMART CONTRACT SECURITY AUDIT

Final report   Plan: Simple

Dogwizhat

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✦ INTRODUCTION

The report has been prepared for Dogwizhat.

Project description

Tired of Memecoins? It's Time for Magic! Forget fleeting fads, $WIZ is the magic coin that's here to stay!

This community-driven powerhouse offers:

◊ Tax-free purchases to fuel your financial spells!
◊ A transparent roadmap that paves the way to success.

In

 the enchanting realm of DogWizHat, we aim to create a vibrant and engaging meme token ecosystem. By harnessing the power of internet culture, we're building a magical, sustainable, community-driven platform that integrates DeFi, NFTs, gambling, and gaming. Our mission is to empower users, foster widespread adoption, and drive active participation within a dynamic and inclusive ecosystem. At DogWizHat, users aren't just participants—they're the wizards crafting the future. We're all about fair, transparent, and user-driven decentralisation, making DogWizHat a beacon of empowerment and magical fun!

Name	Dogwizhat
Audit date	2024-05-26 – 2024-05-26
Language	Solidity
Network	Binance Smart Chain

✧ CONTRACTS CHECKED

Name	Address
StandardToken	0x4a6f357d1c99ae19eabbe37609ee9870ddb2d909

✧ AUDIT PROCESS

The code was audited by the team according to the following order:

Automated analysis

◊ Scanning the project's smart contracts with several publicly available automated Solidity analysis tools
◊ Manual confirmation of all the issues found by the tools

Manual audit

◊ Thorough manual analysis of smart contracts for security vulnerabilities
◊ Smart contracts' logic check

✧ ATTACKS CHECKED

Title	Check result
Unencrypted Private Data On-Chain	✓ passed
Code With No Effects	✓ passed
Message call with hardcoded gas amount	✓ passed

Typographical Error	✓	passed
DoS With Block Gas Limit	✓	passed
Presence of unused variables	✓	passed
Incorrect Inheritance Order	✓	passed
Requirement Violation	✓	passed
Weak Sources of Randomness from Chain Attributes	✓	passed
Shadowing State Variables	✓	passed
Incorrect Constructor Name	✓	passed
Block values as a proxy for time	✓	passed
Authorization through tx.origin	✓	passed
DoS with Failed Call	✓	passed
Delegatecall to Untrusted Callee	✓	passed
Use of Deprecated Solidity Functions	✓	passed
Assert Violation	✓	passed
State Variable Default Visibility	✓	passed
Reentrancy	✓	passed
Unprotected SELFDESTRUCT Instruction	✓	passed

Unprotected Ether Withdrawal	✓ passed
Unchecked Call Return Value	✓ passed
Floating Pragma	✓ passed
Outdated Compiler Version	✓ passed
Integer Overflow and Underflow	✓ passed
Function Default Visibility	✓ passed

✦ OVERVIEW OF RELEVANCE LEVELS

High relevance

Issues of high relevance may lead to losses of users' funds as well as changes of ownership of a contract or possible issues with the logic of the contract.
High-relevance issues require immediate attention and a response from the team.

Medium relevance

While issues of medium relevance don't pose as high a risk as the high-relevance ones do, they can be just as easily exploited by the team or a malicious user, causing a contract failure and damaging the project's reputation in the process. Usually, these issues can be fixed if the contract is redeployed.
Medium-relevance issues require a response from the team.

Low relevance

Issues of low relevance don't pose high risks since they can't cause damage to the functionality of the contract. However, it's still recommended to consider fixing them.

✧ ISSUES

High relevance issues

No high relevance issues found

Medium relevance issues

No medium relevance issues found

Low relevance issues

No low relevance issues found

✧ CONCLUSION

Dogwizhat StandardToken contract was audited. No relevance issues were found.

✧ DISCLAIMER

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This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.
The rights to publish the results of this audit are exclusively retained by RugDog.

✧ STATIC ANALYSIS

Pragma version0.8.16 (contracts/contract.sol#3) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.7
solc-0.8.16 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Variable StandardToken._totalSupply (contracts/contract.sol#224) is too similar to StandardToken.constructor(string,string,uint8,uint256,address).totalSupply_ (contracts/contract.sol#230)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-are-too-similar

renounceOwnership() should be declared external:
▌- Ownable.renounceOwnership() (contracts/contract.sol#164-166)
transferOwnership(address) should be declared external:
▌- Ownable.transferOwnership(address) (contracts/contract.sol#172-178)
name() should be declared external:
▌- StandardToken.name() (contracts/contract.sol#248-250)
symbol() should be declared external:
▌- StandardToken.symbol() (contracts/contract.sol#256-258)
decimals() should be declared external:
▌- StandardToken.decimals() (contracts/contract.sol#269-271)
totalSupply() should be declared external:
▌- StandardToken.totalSupply() (contracts/contract.sol#276-278)
balanceOf(address) should be declared external:
▌- StandardToken.balanceOf(address) (contracts/contract.sol#283-287)
transfer(address,uint256) should be declared external:
▌- StandardToken.transfer(address,uint256) (contracts/contract.sol#297-303)
allowance(address,address) should be declared external:
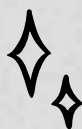▌- StandardToken.allowance(address,address) (contracts/contract.sol#308-313)
approve(address,uint256) should be declared external:
▌- StandardToken.approve(address,uint256) (contracts/contract.sol#322-328)
transferFrom(address,address,uint256) should be declared external:

```
▮- StandardToken.transferFrom(address,address,uint256) (contracts/
contract.sol#333-348)
increaseAllowance(address,uint256) should be declared external:
▮- StandardToken.increaseAllowance(address,uint256) (contracts/contract.sol#354-364)
decreaseAllowance(address,uint256) should be declared external:
▮- StandardToken.decreaseAllowance(address,uint256) (contracts/contract.sol#370-383)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#public-
function-that-could-be-declared-external
. analyzed (6 contracts with 78 detectors), 16 result(s) found
```

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WOOF!

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