

Smart Contract Audit

FOR

Son Of Dragon

DATED: 31 Jan, 2024



AUDIT SUMMARY

Project name - Son Of Dragon

Date: 31 Jan, 2024

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: Passed

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	1	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0



USED TOOLS

Tools:

1- Manual Review:

A line by line code review has been performed by audit ace team.

2- BSC Test Network: All tests were conducted on the BSC Test network, and each test has a corresponding transaction attached to it. These tests can be found in the "Functional Tests" section of the report.

3- Slither:

The code has undergone static analysis using Slither.

Testnet version:

The tests were performed using the contract deployed on the BSC Testnet, which can be found at the following address:

https://testnet.bscscan.com/address/0x132d0729e974 675cc6a3701482eb17e0184d0694#readContract



Token Information

Token Name: Son Of Dragon

Token Symbol: SOD

Decimals: 18

Token Supply: 420,000,000

Network: BscScan

Token Type: BEP-20

Token Address:

0x5367260923ce0e6aC1d4F8C3384897f8a537a7B8

Checksum:

f2032c616934aeb47e6039f76b20d2h5

Owner:

0x7e378453D71b54365A87d45a24690FBEfd247F29 (at time of writing the audit)

Deployer:

0x7e378453D71b54365A87d45a24690FBEfd247F29



TOKEN OVERVIEW

Fees:

Buy Fee: 5-10%

Sell Fee: 5-10%

Transfer Fee: 0-10%

Fees Privilege: Owner

Ownership: Owned

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

swapBack: yes



AUDIT METHODOLOGY

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-byline in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code isexercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.

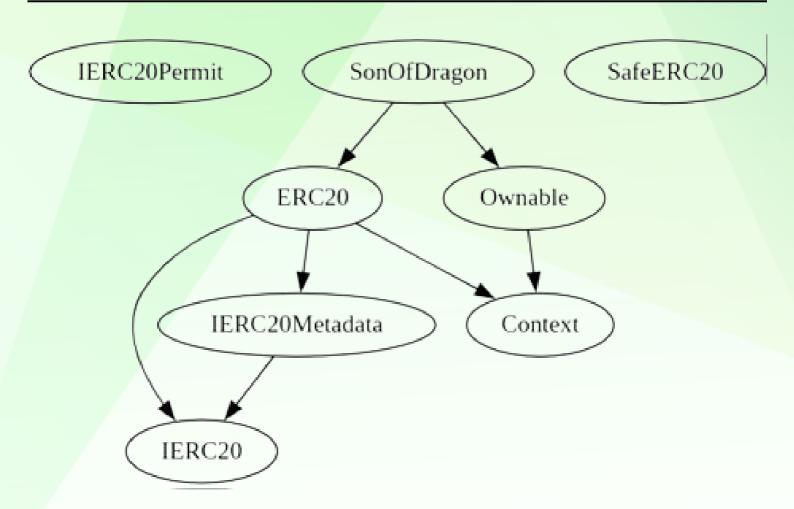


VULNERABILITY CHECKLIST





INHERITANCE TREE





STATIC ANALYSIS

A static analysis of the code was performed using Slither.

No issues were found.

```
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```



FUNCTIONAL TESTING

1- Approve (passed):

https://testnet.bscscan.com/tx/0x912b27f48f9483c72d7b2faa3d916f32bfc1 4e197dfc3ad45972c85a2a5d2f26

2- Set buy tax(passed):

https://testnet.bscscan.com/tx/0xc914be169934bb7d1387f8f495f04e8769f 7b1cb74836a0dc6bcf9eae20e7ba1

3- Set sell tax(passed):

https://testnet.bscscan.com/tx/0x76a290d7b1f798fccfbb1c072ae0567baa91ebe0fac21986c5eb46794fb0a441

3- transfer (passed):

https://testnet.bscscan.com/tx/0x417dabdf99621979e083552509c931c5b10 d132fa294eaa53320e0354d0a405c

4- claim stuck tokens(passed):

 $\frac{https://testnet.bscscan.com/tx/0x2d5ab93ca2bd03d522cfe626cab13cfb41e}{3e22baf56f27ccb7fb6a55588fe58}$



POINTS TO NOTE

- The owner can transfer ownership.
- The owner can renounce ownership.
- The owner can set the fees not more than 10%.
- The owner can change the marketing wallet.
- The owner can exclude any addresses for fees.
- The owner can claim stuck tokens.



CLASSIFICATION OF RISK

Severity

- Critical
- High-Risk
- Medium-Risk
- Low-Risk
- Gas Optimization
 /Suggestion

Description

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity	Found
♦ Critical	0
♦ High-Risk	0
◆ Medium-Risk	1
♦ Low-Risk	0
Gas Optimization /Suggestions	0



MANUAL TESTING

Centralization - The owner can claim struck

tokens<=

Severity: Medium

Subject: claim struck tokens

Status: Open

Overview:

```
function claimStuckTokens(address token) external onlyOwner {
   require(token != address(this), "Owner cannot claim native
tokens"):
   if (token == address(0x0)) {
payable(msg.sender).transfer(address(this).balance);
     return;
   IERC20 ERC20token = IERC20(token);
   uint256 balance = ERC20token.balanceOf(address(this));
   ERC20token.safeTransfer(msg.sender, balance);
}
if owner set token value to
This function works.
```



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