



Smart contracts security assessment

Preview Report

StepWell

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Contents

| | |
|-------------------------------------|---|
| 1. Introduction | 3 |
| 2. Procedure | 4 |
| 3. Known vulnerabilities checked | 5 |
| 4. Conclusion | 7 |
| 5. Classification of issue severity | 8 |
| 6. Disclaimer | 9 |

Introduction

The report has been prepared for StepWell

| | |
|---------------|--|
| Network | Binance Smart Chain |
| Contract type | ERC-20 |
| Address | 0x634113efb704a4bc3c4b10eb786cb60b69e56017 |
| Token name | StepWell |
| Token symbol | STW |
| Total supply | 10000000000000 |
| Decimals | 9 |

Procedure

We perform our audit according to the following procedure:

Automated analysis

- Scanning the project's smart contracts with several publicly available automated Solidity analysis tools
- Manual verification (reject or confirm) all the issues found by the tools

Manual audit

- Manually analyze smart contracts for security vulnerabilities
- Smart contracts' logic check

Known vulnerabilities checked

| Title | Check result |
|---|--|
| <u>Unencrypted Private Data On-Chain</u> | passed |
| <u>Code With No Effects</u> |  |
| <u>Message call with hardcoded gas amount</u> |  |
| <u>Typographical Error</u> |  |
| <u>DoS With Block Gas Limit</u> | passed |
| <u>Presence of unused variables</u> |  |
| <u>Incorrect Inheritance Order</u> |  |
| <u>Requirement Violation</u> |  |
| <u>Weak Sources of Randomness from Chain Attributes</u> | passed |
| <u>Shadowing State Variables</u> |  |
| <u>Incorrect Constructor Name</u> |  |
| <u>Block values as a proxy for time</u> |  |
| <u>Authorization through tx.origin</u> |  |
| <u>DoS with Failed Call</u> |  |
| <u>Delegatecall to Untrusted Callee</u> |  |
| <u>Use of Deprecated Solidity Functions</u> |  |
| <u>Assert Violation</u> |  |
| <u>State Variable Default Visibility</u> |  |
| <u>Reentrancy</u> |  |
| <u>Unprotected SELFDESTRUCT Instruction</u> |  |
| <u>Unprotected Ether Withdrawal</u> |  |
| <u>Unchecked Call Return Value</u> |  |

Floating Pragma



Outdated Compiler Version



Integer Overflow and Underflow



Function Default Visibility



Conclusion

StepWell was audited. 0 high, ☐ medium, ☐ low severity issues were found. Users should check if they interact with the same contracts as were audited.

To get your report, contact us at

t.me/guardchief or hello@0xguard.com

The audit is conducted by the 0xGuard team, a team with 5+ years of blockchain security experience. Request it now.

 **Fast:** less than 24 hours

 **Affordable:** from \$900



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This is a preview of an audit report. Please contact us to get a full report in less than 24 hours!

Classification of issue severity

High severity

High severity issues can cause a significant or full loss of funds, change of contract ownership, major interference with contract logic. Such issues require immediate attention.

Medium severity

Medium severity issues do not pose an immediate risk, but can be detrimental to the client's reputation if exploited. Medium severity issues may lead to a contract failure and can be fixed by modifying the contract state or redeployment. Such issues require attention.

Low severity

Low severity issues do not cause significant destruction to the contract's functionality. Such issues are recommended to be taken into consideration.

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