

expelee

Building the Futuristic Blockchain Ecosystem

Audit Report FOR

SMART CHAIN VENTURES

OVERVIEW

The Expelee team has performed a line-by-line manual analysis and automated review of the smart contract. The smart contract was analysed mainly for common smart contract vulnerabilities, exploits, and manipulation hacks.

According to the smart contract audit:

	Audit Result	Passed with Low Risk
	KYC Verification	Done
	Audit Date	11 Dec 2022

- Manual Review (Passed)

- Tested on Forked Pancakeswap v2 on local testnet (Passed)

-Team Expelee

CONTRACT DETAILS

Token Name

Smart Chain Ventures

Symbol

SCV

Network

BSC

Language

Solidity

Contract Address (Verified)

0x34c475EefEF0446B3729c3880Ad69D9fFC9941CC

Token Type

BEP 20

Decimals

18

Compiler

v0.8.17

Total Supply

100, 000, 000

Contract SHA-256 Checksum:

3e23e8160039594a33894f6564e1b1348bbd7a0088d42c4acb73eeaed59c009d

AUDIT METHODOLOGY



Audit Details

Our comprehensive audit report provides a full overview of the audited system's architecture, smart contract codebase, and details on any vulnerabilities found within the system.



Audit Goals

The audit goal is to ensure that the project is built to protect investors and users, preventing potentially catastrophic vulnerabilities after launch, that lead to scams and rugpulls.



Code Quality

Our analysis includes both automatic tests and manual code analysis for the following aspects:

- Exploits
- Back-doors
- Vulnerability
- Accuracy
- Readability



Tools

- DE
- Open Zeppelin
- Code Analyzer
- Solidity Code
- Complier
- Hardhat

VULNERABILITY CHECKLIST

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions & reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

RISK CLASSIFICATION

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

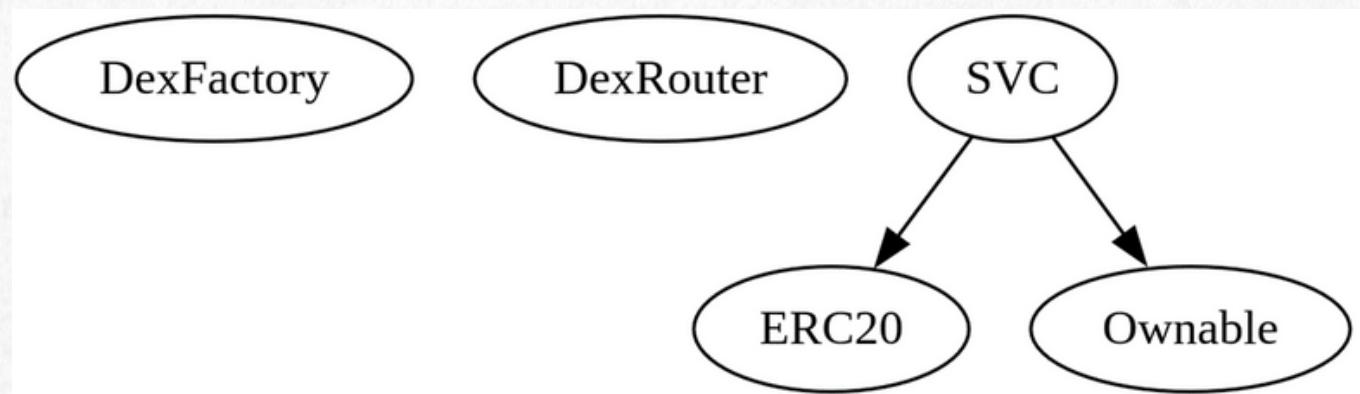
AUDIT SUMMARY

Ownership:

Contract yet to be deployed

Contracts & Inheritance Tree:

Smart Chain Ventures is inherited from this contracts



Summary

- Owner is not able to set buy+sell taxes over 10%
- Owner is not able to change max transfer/buy limit (0.5% of supply currently)
- Owner is not able to pause trades
- Owner is not able to mint new tokens
- Owner is not able to blacklist an arbitrary address

MANUAL AUDIT

Severity Criteria

Expelee assesses the severity of disclosed vulnerabilities according to a methodology based on OWASP standards.

Vulnerabilities are divided into three primary risk categories: **high**, **medium**, and **low**.

High-level considerations for vulnerabilities span the following key areas when conducting assessments:

- **Malicious Input Handling**
- **Escalation of privileges**
- **Arithmetic**
- **Gas use**

Overall Risk Severity				
Impact	HIGH	Medium	High	Critical
	MEDIUM	Low	Medium	High
	LOW	Note	Low	Medium
		LOW	MEDIUM	HIGH
Likelihood				

Findings Summary

- **High Risk Findings:** 0
- **Medium Risk Findings:** 0
- **Low Risk Findings:** 0
- **Suggestions & discussion:** 0
- **Gas Optimizations :** 0

NO RISK FINDINGS

ABOUT EXPELEE

Expelee is a product-based aspirational Web3 Start-up. Coping up with numerous solutions for blockchain Security and constructing a Web3 Ecosystem from Deal making platform to developer hosting open platform, while also developing our own commercial and sustainable blockchain.



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