Smart Contract Security Audit

Audit details:

Audited project:	100xCoin
Deployer address	0x951d562ece9a5717c66985939f6d319827367a56
Client contacts:	@KentheCrypto
Blockchain:	Binance Smart Chain
Project website:	https://100xcoin.io

April, 2021
TechRate

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 below disclaimer below – please make sure to read it in full.

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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.

Background

TechRate was commissioned by 100xCOIN to perform an audit of smart contracts:

- *https://bscscan.com/address/0x4cC20A024324B6c487f50Ba448999Ae29f8F6022#code*

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Contracts details

Token contract details for 09.04.2021.

Contract name:	Token100xCoin
Compiler version:	v0.6.12+commit.27d51765
Contract address:	0x728E34a07f1E5eC740A080D3951236c3D7CF33cF
Total supply:	935_312_500_000_000
Token ticker:	100x
Decimals:	18
Token holders:	1
Transactions count:	1
Top 100 holders dominance:	100%
Contract deployer address:	0x951d562ece9a5717c66985939f6d319827367a56
Contract's current owner address:	0x05564Fd931d363009332B980d7E31dC3f5f230C8
Max tx amount:	5_312_500_000_000_000_000_000_000_000_000
Uniswap V2 pair:	0x0b0ed864b648f219a6f6142c16f45326df61676b
Uniswap V2 router:	0x05ff2b0db69458a0750badebc4f9e13add608c7f
Auto burn percentage:	2_000_000_000_000_000_000
Manual burn percentage:	1_500_000_000_000_000_000
Paused status:	False
Dev address:	0x43241867b091df7095a53f0600654a978eb4f893
Fee enabled:	False
Liquify enabled:	False

Contract functions details

Function	Return value	Who can call
owner()	address	public
isOwner()	bool	public
renounceOwnership()	void	owner
transferOwnership(address)	void	owner
totalSupply()	uint256	public
balanceOf(address)	uint256	public
transfer(address, uint256)	bool	public
allowance(address, address)	uint256	public
approve(address, uint256)	bool	public
transferFrom(address, address, uint256)	bool	public
blacklistUpdate(address, bool)	void	owner
paused()	bool	public
_pause()	void	owner
_unpause()	void	owner
name()	string	public
symbol()	string	public
excludeFromFee(address)	void	owner
decimals()	uint	public
feeEnableChange(bool)	void	owner
changeIsLiquifyEnable(bool)	void	owner
changeAutoBurn(uint)	void	owner
changeManualBurn(uint)	void	owner
changeToLiquidity(uint)	void	owner
changeToDeveloper(uint)	void	owner
changeMinimumTokenToLiquify(uint)	void	owner
changeMaxTxAmount(uint)	void	owner

Issues Checking Status

№	Issue description.	Checking status
1	Compiler errors.	Passed
2	Race conditions and Reentrancy. Cross-function race conditions.	Passed
3	Possible delays in data delivery.	Passed
4	Oracle calls.	Passed
5	Front running.	Passed
6	Timestamp dependence.	Passed
7	Integer Overflow and Underflow.	Passed
8	DoS with Revert.	Passed
9	DoS with block gas limit.	Passed
10	Methods execution permissions.	Passed
11	Economy model of the contract.	Passed
12	The impact of the exchange rate on the logic.	Passed
13	Private user data leaks.	Passed
14	Malicious Event log.	Passed
15	Scoping and Declarations.	Passed
16	Uninitialized storage pointers.	Passed
17	Arithmetic accuracy.	Passed
18	Design Logic.	Passed
19	Cross-function race conditions.	Passed
20	Safe Open Zeppelin contracts implementation and usage.	Passed
21	Fallback function security.	Passed

Security Issues

High Severity Issues

No high severity issues found.

Medium Severity Issues

No medium severity issues found.

Low Severity Issues

No low severity issues found.

Owner privileges

1. Owner privileges

- ❏ Owner can enable / disable the fee.
- ❏ Owner can pause the contract.
- ❏ Owner can blacklist any address, so it will not have any permissions to transfer the funds.
- ❏ Owner can change the auto burn fee value.
- ❏ Owner can change the manual burn fee value.
- ❏ Owner can change the liquidity fee value.
- ❏ Owner can change the dev fee value.
- ❏ Owner can change the minimum token amount for liquidity.
- ❏ Owner can change the maximum tx amount.

Conclusion

Smart contract does not contain high severity issues! However, smart contract contains owner privileges.

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Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.