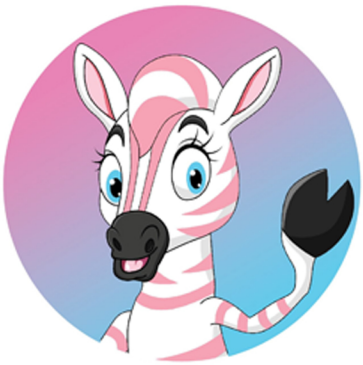
Smart Contract Security Audit

AUDIT RATE TECH

for

PinkZebra

Audit Rate Tech



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.

Audit details:

Audited project: PinkZebra

Contract address: 0xF918EEECd2C6A78499C2865410cb6679b23c04aA

Languages: Solidity (Smart contract)

Platforms and Tools: Remix IDE, Truffle, Truffle Team, Ganache, Solhint, VScode, Mythril, Contract Library

Total supply: 1,000,000,000,000

Token ticker: ZEE

Decimals: 18

Compiler Version: v0.7.6+commit.7338295f

Contract Deployer Address: 0x5fb71Dbf7248a01bf96cE2AB2DA34EEAbE58c261

Optimization Enabled: Yes with 200 runs

Client contacts: PinkZebra team

Blockchain: Binance Smart Chain

Project website: https://pinkzebra.finance/

The audit items and results:

(Other unknown security vulnerabilities are not included in the audit responsibility scope)

Audit Result: Passed

Audit Date: November 20, 2021

Audit Team: AUDIT RATE TECH

https://www.auditrate.tech

Introduction

This Audit Report mainly focuses on the overall security of PinkZebra Smart Contract.
With this report, we have tried to ensure the reliability and correctness of their smart contract by complete and rigorous assessment of their system's architecture and the smart contract codebase.

Auditing Approach and Methodologies applied

The AUDIT RATE TECH team has performed rigorous testing of the project starting with analyzing the code design patterns in which we reviewed the smart contract architecture to ensure it is structured and safe use of third-party smart contracts and libraries.
Our team then performed a formal line by line inspection of the Smart Contract to find any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.
In the Unit testing Phase, we coded/conducted custom unit tests written for each function in the contract to verify that each function works as expected.
In Automated Testing, we tested the Smart Contract with our in-house developed tools to identify vulnerabilities and security flaws.
The code was tested in collaboration of our multiple team members and this included -

- Testing the functionality of the Smart Contract to determine proper logic has been followed throughout the whole process.
- Analyzing the complexity of the code in depth and detailed, manual review of the code, lineby-line.
- Deploying the code on testnet using multiple clients to run live tests.
- Analyzing failure preparations to check how the Smart Contract performs in case of any bugs and vulnerabilities.
- Checking whether all the libraries used in the code are on the latest version.
- Analyzing the security of the on-chain data.

Audit Goals

The focus of the audit was to verify that the Smart Contract System is secure, resilient and working according to the specifications. The audit activities can be grouped in the following three categories:
Security
Identifying security related issues within each contract and the system of contract.
Sound Architecture
Evaluation of the architecture of this system through the lens of established smart contract best practices and general software best practices.
Code Correctness and Quality
A full review of the contract source code. The primary areas of focus include:

- Accuracy
- Readability
- Sections of code with high complexity
- Quantity and quality of test coverage

Issue Categories

Every issue in this report was assigned a severity level from the following:
High level severity issues
Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.
Medium level severity issues
Issues on this level could potentially bring problems and should eventually be fixed.
Low level severity issues
Issues on this level are minor details and warnings that can remain unfixed but would be better fixed at some point in the future.

Number of issues per severity

Critical	High	Medium	Low	Note
0	0	0	0	0

Issues Checking Status

№	Issue description.	Checking status
1	Compiler warnings.	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.	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 Zeppelin module.	Passed
21	Fallback function security.	Passed

Manual Audit:
For this section the code was tested/read line by line by our developers. We also used Remix IDE's JavaScript VM and Kovan networks to test the contract functionality.

Automated Audit
Remix Compiler Warnings
It throws warnings by Solidity's compiler. If it encounters any errors the contract cannot be compiled and deployed. No issues found.

Owner privileges

• Transfers ownership of the contract to a new account (`newOwner`).
• Leaves the contract without owner.

Conclusion

Smart contracts do not contain any high severity issues!

Note:
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.

Implemented events

OwnershipTransferred(address,address)
Approval(address,address,uint256)
Transfer(address,address,uint256)

Implemented functions

setEnableAntiBot()
setSwapTokensAtAmount(uint256)
updateDividendTracker(address)
updateUniswapV2Router(address)
excludeFromFees()
excludeMultipleAccountsFromFees()
setMarketingWallet(address)
setTokenRewardsFee(uint256)
setMarketingFee(uint256)
setAutomatedMarketMakerPair()
blacklistAddress()
updateGasForProcessing(uint256)
function getClaimWait()
getTotalDividendsDistributed()
isExcludedFromFees(address)
withdrawableDividendOf(address)
dividendTokenBalanceOf(address)
excludeFromDividends(address)
getAccountDividendsInfo(address)
getAccountDividendsInfoAtIndex(uint256)
processDividendTracker(uint256)
claim()
getLastProcessedIndex()
getNumberOfDividendTokenHolders()
swapAndSendToFee(uint256)
swapAndLiquify(uint256)
swapTokensForEth(uint256)
swapTokensForCake(uint256)
addLiquidity(uint256)
swapAndSendDividends(uint256)
name()
symbol()
decimals()
totalSupply()
balanceOf(address)
transfer(address, uint256)
allowance(address, address)
approve(address, uint256)
transferFrom(address, address, uint256)
increaseAllowance(address, uint256)
swapTokensForExactTokens()

swapExactETHForTokens()
swapTokensForExactETH()
swapExactTokensForETH()
swapETHForExactTokens()
quote()
getAmountOut()
getAmountIn()
getAmountsOut(uint256, address)
getAmountsIn(uint256, address)
removeLiquidityETHSupportingFeeOnTransferTokens()
removeLiquidityETHWithPermitSupportingFeeOnTransferTokens()
swapExactTokensForTokensSupportingFeeOnTransferTokens()
swapExactETHForTokensSupportingFeeOnTransferTokens()
swapExactTokensForETHSupportingFeeOnTransferTokens()
onPreTransferCheck(address,address,uint256)
initialize()
withdrawnDividendOf(address)
accumulativeDividendOf(address)
distributeCAKEDividends(uint256)
withdrawDividend()
dividendOf(address)
initialize(address, uint256)
updateClaimWait(uint256)
getNumberOfTokenHolders()
getAccount(address)
getAccountAtIndex(uint256)
setBalance(address, uint256)
process(uint256)
processAccount()
sendValue()
functionCall()
functionCallWithValue()
decreaseAllowance(address, uint256)
renounceOwnership()
transferOwnership(address)
tryAdd(uint256)
trySub(uint256)
tryMul(uint256)
tryDiv(uint256)
tryMod(uint256)
add(uint256)
sub(uint256)
mul(uint256)
div(uint256)
mod(uint256)
clone(address)
cloneDeterministic(address)
predictDeterministicAddress(address)
feeTo() external view returns (address)

feeToSetter() external view returns (address)
getPair(address, address)
allPairs(uint256)
allPairsLength()
createPair(address, address)
setFeeTo(address)
setFeeToSetter(address)
factory()
WETH()
addLiquidity()
addLiquidityETH()
removeLiquidity()
removeLiquidityETH()
removeLiquidityWithPermit()
removeLiquidityETHWithPermit()
swapExactTokensForTokens()
functionStaticCall()
name()
symbol()
totalSupply()
allowance(address, address)
approve(address, uint)
transfer()
DOMAIN_SEPARATOR()
PERMIT_TYPEHASH()
nonces(address owner)
permit()
MINIMUM_LIQUIDITY()
getReserves()
mint(address)
burn(address)
swap()
skim(address)
sync()
initialize(address, address)
mul()
add()
abs()
toUint256Safe()
toInt256Safe()
get()
getIndexOfKey()
getKeyAtIndex()
size()
set()
remove()

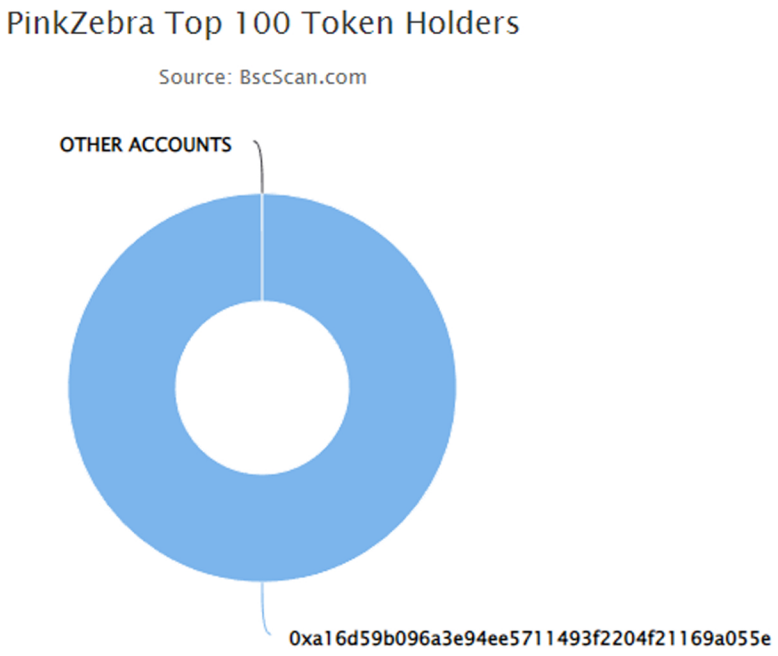
Website Audit

Address	https://pinkzebra.finance/
Domain registration	1 years
Domain	Clean
Web server	Apache
The server is located	United States
Server response time	0.43 sec
SSL certificate	Yes
JavaScript errors	Not found
Typos, or grammatical errors	Not found
Issues with loading elements, code, or stylesheets	Not found
Malware	Not found
Injected spam	Not found
Internal server errors	Not found
Popups	Not found
Blocking files	Not found
Mobile Friendly	Yes
Compress CSS files	Optimized
Compress JS files	Optimized
Image compression	Optimized
Visible content	Optimized
Social Media/contacts	Yes
Roadmap	Yes

Top Token Holders

The top 100 holders collectively own 100.00% (1,000,000,000,000.00 Tokens) of PinkZebra

Token Total Supply: 1,000,000,000,000.00 Token | Total Token Holders: 1



(A total of 1,000,000,000,000.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000,000.00 token)

The token is at the presale stage at the time of the audit.

100% token on the wallet 0xa16d59b096a3e94ee5711493f2204f21169a055e

Do your own research and ask the developer about it.

KYC/Doxx

At the time of the audit, there is no information about the conduct of KYC / Doxx

THANK YOU!