



TechRate
AUDIT COMPANY

Smart Contract Security Audit

TechRate

June, 2021

Audit Details



Audited project

Platinum Token



Deployer address

0x8d6e259936eae3253497f8CB69C9e14751486d58



Client contacts:

Platinum Token team



Blockchain

Binance Smart Chain



Project website:

Not provided

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 Platinum Token to perform an audit of smart contracts:

<https://bscscan.com/address/0xE2310f0B3C7a32fa5bAF8cB45a6697dddcF07f2a#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

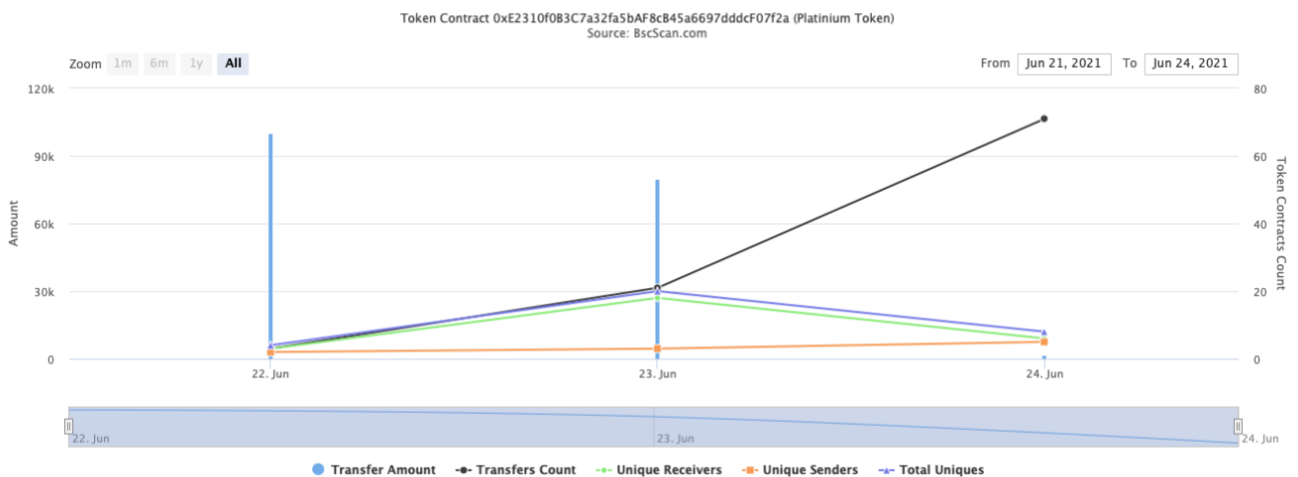
Token contract details for 29.06.2021

Contract name	Platinum Token
Contract address	0xE2310f0B3C7a32fa5bAF8cB45a6697dddcF07f2a
Total supply	100,000.00148
Token ticker	PLT
Decimals	18
Token holders	22
Transactions count	95
Top 100 holders dominance	100.00%
Contract deployer address	0x8d6e259936eae3253497f8CB69C9e14751486d58
Contract's current owner address	0x5b30a7bfc8acafd416a7f8e848b5c9bea08c29c9


💡 Token Total Supply: 100,000.00 Token | Total Token Holders: 22

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

Tue 22, Jun 2021 - Thu 24, Jun 2021



Platinum Token Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	Burn Address	60,223.19131738	60.2232%
2	0x8d6e259936eae3253497f8cb69c9e14751486d58	20,240.470195212265332866	20.2405%
3	 PancakeSwap V2: PLT-BUSD 3	8,122.763059476261070359	8.1228%
4	0x7214ef6d84f7c586516d4ffad59f3c3f75f8fb42	3,957.050836549239537555	3.9571%
5	0x1563adaba0daceb3a59158d9e906e82af0bf5d35	3,000	3.0000%
6	0x58982a3cb5495b40460523e23ab18a45ba69ea98	1,107	1.1070%
7	0x579277061974abc4650c39940f47a3b66c2b6dcc	1,106	1.1060%
8	0x1d34bb89bfa1be4819d0d826f50d1d55934effd8	1,050	1.0500%
9	0x685f6dbadc6db80ea8f25d4a651e6052008053a7	565	0.5650%
10	0xd028babdbc15949aaa35587f95f9e96c7d49417d	187	0.1870%



Contract functions details

- + [Int] IBEP20
 - [Ext] totalSupply
 - [Ext] decimals
 - [Ext] symbol
 - [Ext] name
 - [Ext] getOwner
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance
 - [Ext] approve #
 - [Ext] transferFrom #
- + [Lib] SafeMath
 - [Int] add
 - [Int] sub
 - [Int] sub
 - [Int] mul
 - [Int] div
 - [Int] div
 - [Int] mod
 - [Int] mod
- + Context
 - [Int] _msgSender
 - [Int] _msgData
- + Ownable (Context)
 - [Int] <Constructor> #
 - [Pub] owner
 - [Pub] renounceOwnership #
 - modifiers: onlyOwner
 - [Pub] transferOwnership #
 - modifiers: onlyOwner
- + BEP20 (Context, IBEP20, Ownable)
 - [Pub] <Constructor> #
 - [Ext] getOwner
 - [Pub] name
 - [Pub] symbol
 - [Pub] decimals
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] transfer #
 - [Pub] allowance
 - [Pub] approve #
 - [Pub] transferFrom #
 - [Pub] increaseAllowance #
 - [Pub] decreaseAllowance #
 - [Pub] mint #
 - modifiers: onlyOwner
 - [Int] _transfer #
 - [Int] _mint #
 - [Int] _burn #
 - [Int] _approve #
 - [Int] _burnFrom #
- + PlatineToken (BEP20)

- [Pub] mint #
 - modifiers: onlyOwner
 - [Ext] delegates
 - [Ext] delegate #
 - [Ext] delegateBySig #
 - [Ext] getCurrentVotes
 - [Ext] getPriorVotes
 - [Int] _delegate #
 - [Int] _moveDelegates #
 - [Int] _writeCheckpoint #
 - [Int] safe32
 - [Int] getChainId
- (\$) = payable function
= non-constant function

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

- Owner can mint any amount of tokens without any restrictions, before transferring ownership to the MasterChef.

Conclusion

Smart contracts contain owner privileges. Audited only the token of the project.

TechRate 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.



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