

Advanced Manual **Smart Contract Audit**

August 31, 2022

Audit requested by



0x81402bdf885a930ccf2175b66fbd435486b33f69

Table of Contents

1. Audit Summary

- 1.1 Audit scope
- 1.2 Tokenomics
- 1.3 Source Code

2. Disclaimer

3. Global Overview

- 3.1 Informational issues
- 3.2 Low-risk issues
- 3.3 Medium-risk issues
- 3.4 High-risk issues

4. Vulnerabilities Findings

5. Contract Privileges

- 5.1 Maximum Fee Limit Check
- 5.2 Contract Pausability Check
- 5.3 Max Transaction Amount Check
- 5.4 Exclude From Fees Check
- 5.5 Ability to Mint Check
- 5.6 Ability to Blacklist Check
- 5.7 Owner Privileges Check

6. Notes

- 6.1 Notes by Coinsult
- 6.2 Notes by PolkaStation

7. Contract Snapshot

8. Website Review

9. Certificate of Proof

Audit Summary

Audit Scope

| | |
|--------------------------------|--|
| Project Name | PolkaStation |
| Blockchain | Binance Smart Chain |
| Smart Contract Language | Solidity |
| Contract Address | 0x81402bdf885a930ccf2175b66fbd435486b33f69 |
| Audit Method | Static Analysis, Manual Review |
| Date of Audit | 31 August 2022 |

This audit report has been prepared by Coinsult's experts at the request of the client. In this audit, the results of the static analysis and the manual code review will be presented. The purpose of the audit is to see if the functions work as intended, and to identify potential security issues within the smart contract.

The information in this report should be used to understand the risks associated with the smart contract. This report can be used as a guide for the development team on how the contract could possibly be improved by remediating the issues that were identified.

Tokenomics

| Rank | Address | Quantity (Token) | Percentage |
|------|--|------------------|------------|
| 1 | 0xb9d25b56ab9b66eef735ccba8f347fbba2cbddb0 | 50,000,000 | 100.0000% |

Source Code

Coinsult was commissioned by PolkaStation to perform an audit based on the following code:

<https://bscscan.com/address/0x81402bdf885a930ccf2175b66fbd435486b33f69#code>

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Coinsult is not responsible if a project turns out to be a scam, rug-pull or honeypot. We only provide a detailed analysis for your own research.

Coinsult is not responsible for any financial losses. Nothing in this contract audit is financial advice, please do your own research.

The information provided in this audit is for informational purposes only and should not be considered investment advice. Coinsult does not endorse, recommend, support or suggest to invest in any project.

Coinsult can not be held responsible for when a project turns out to be a rug-pull, honeypot or scam.

Global Overview

Manual Code Review

In this audit report we will highlight the following issues:

| Vulnerability Level | Total | Pending | Acknowledged | Resolved |
|--|-------|---------|--------------|----------|
| ● Informational | 0 | 0 | 0 | 0 |
| ● Low-Risk | 0 | 0 | 0 | 0 |
| ● Medium-Risk | 0 | 0 | 0 | 0 |
| ● High-Risk | 0 | 0 | 0 | 1 |

Privilege Overview

Coinsult checked the following privileges:

| Contract Privilege | Description |
|------------------------------|---|
| Owner can mint? | ● Owner cannot mint new tokens |
| Owner can blacklist? | ● Owner cannot blacklist addresses |
| Owner can set fees > 25%? | ● Owner cannot set the sell fee to 25% or higher |
| Owner can exclude from fees? | ● Owner cannot exclude from fees |
| Owner can pause trading? | ● Owner cannot pause the contract |
| Owner can set Max TX amount? | ● Owner cannot set max transaction amount |

More owner privileges are listed later in the report.

Contract Privileges

Maximum Fee Limit Check


Coinsult tests if the owner of the smart contract can set the transfer, buy or sell fee to 25% or more. It is bad practice to set the fees to 25% or more, because owners can prevent healthy trading or even stop trading when the fees are set too high.

| Type of fee | Description |
|--------------|--|
| Transfer fee | ● Owner cannot set the transfer fee to 25% or higher |
| Buy fee | ● Owner cannot set the buy fee to 25% or higher |
| Sell fee | ● Owner cannot set the sell fee to 25% or higher |

Note: this is a boolean check to 25%, we will not change this value in the report.


Contract Pausability Check

Coinsult tests if the owner of the smart contract has the ability to pause the contract. If this is the case, users can no longer interact with the smart contract; users can no longer trade the token.

| Privilege Check | Description |
|-------------------------------|---|
| Can owner pause the contract? |  Owner cannot pause the contract |

Max Transaction Amount Check

Coinsult tests if the owner of the smart contract can set the maximum amount of a transaction. If the transaction exceeds this limit, the transaction will revert. Owners could prevent normal transactions to take place if they abuse this function.

| Privilege Check | Description |
|------------------------------|---|
| Can owner set max tx amount? |  Owner cannot set max transaction amount |

Exclude From Fees Check

Coinsult tests if the owner of the smart contract can exclude addresses from paying tax fees. If the owner of the smart contract can exclude from fees, they could set high tax fees and exclude themselves from fees and benefit from 0% trading fees. However, some smart contracts require this function to exclude routers, dex, cex or other contracts / wallets from fees.

| Privilege Check | Description |
|------------------------------|---|
| Can owner exclude from fees? | ● Owner cannot exclude from fees |

Ability To Mint Check

Coinsult tests if the owner of the smart contract can mint new tokens. If the contract contains a mint function, we refer to the token's total supply as non-fixed, allowing the token owner to "mint" more tokens whenever they want.

A mint function in the smart contract allows minting tokens at a later stage. A method to disable minting can also be added to stop the minting process irreversibly.

Minting tokens is done by sending a transaction that creates new tokens inside of the token smart contract. With the help of the smart contract function, an unlimited number of tokens can be created without spending additional energy or money.

| Privilege Check | Description |
|-----------------|---|
| Can owner mint? | ● Owner cannot mint new tokens |

Ability To Blacklist Check

Coinsult tests if the owner of the smart contract can blacklist accounts from interacting with the smart contract. Blacklisting methods allow the contract owner to enter wallet addresses which are not allowed to interact with the smart contract.

This method can be abused by token owners to prevent certain / all holders from trading the token. However, blacklists might be good for tokens that want to rule out certain addresses from interacting with a smart contract.

| Privilege Check | Description |
|----------------------|------------------------------------|
| Can owner blacklist? | ● Owner cannot blacklist addresses |

Other Owner Privileges Check

Coinsult lists all important contract methods which the owner can interact with.

✔ No other important owner privileges to mention.

Notes

Notes by PolkaStation

No notes provided by the team.

Notes by Coinsult

No notes provided by Coinsult

Contract Snapshot

This is how the constructor of the contract looked at the time of auditing the smart contract.

```
contract PolkaStation is ERC20, Ownable {
    constructor() ERC20("PolkaStation ", "POLKAS") {
    constructor() ERC20("PolkaStation ", "POLKAS") {

        address _owner = 0xb9d25B56AB9b66eeF735Ccba8f347FbBa2cbDdB0;
        address _owner = 0xb9d25B56AB9b66eeF735Ccba8f347FbBa2cbDdB0;
        uint256 totalSupply = 5 * 1e7 * 1e18;
        uint256 totalSupply = 5 * 1e7 * 1e18;

        /*
        /*
        _mint is an internal function in ERC20.sol that is only called here,
        _mint is an internal function in ERC20.sol that is only called here,
        and CANNOT be called ever again
        and CANNOT be called ever again
        */
        */
        _mint(_owner, totalSupply);
        _mint(_owner, totalSupply);
        transferOwnership(_owner);
        transferOwnership(_owner);
    }
}
}
```

Certificate of Proof

● Not KYC verified by Coinsult

PolkaStation

Audited by Coinsult.net



Date: 31 August 2022

✓ Advanced Manual Smart Contract Audit

End of report
Smart Contract Audit

Request your smart contract audit / KYC

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