expelee

Building the Futuristic **Blockchain Ecosystem**

Audit Report
FOR

BlockPark's PROP Token

OVERVIEW

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 High Risk**
👤🔍	**KYC Verification**	**Done**
📅	**Audit Date**	**11 Sep 2022**

Be aware that smart contracts deployed on the blockchain aren't resistant to internal exploit, external vulnerability, or hack. For a detailed understanding of risk severity, source code vulnerability, functional hack, and audit disclaimer, kindly refer to the audit.

- Team Expelee

PROJECT DESCRIPTION

BlockPark's PROP Token

BlockPark is a solution based real estate platform built on the Hyperledger blockchain that is tokenizing real estate ownership and providing tools to manage and grow a portfolio of properties using BlockPark's proprietary software.

🌐 theblockpark.com

✈ theblockpark

🐦 TheBlockPark

It's always good to check the social profiles of the project, before making your investment.

- Team Expelee

CONTRACT DETAILS

Contract Name
PropToken

Optimization
No with 200 runs

Contract Address
0x45A148afE12DC062d9609Cd63678A588412b9566

Network
BSC

Language
Solidity

Total Supply
10,000,000,000

Decimals
8

Compiler
v0.8.9+commit.e5eed63a

License
Default license

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

FUNCTION OVERVIEW

Can Take Back Ownership	Not Detected
Owner Change Balance	Not Detected
Blacklist	Detected
Modify Fees	Not Detected
Proxy	Not Detected
Whitelisted	Not Detected
Anti Whale	Not Detected
Trading Cooldown	Not Detected
Transfer Pausable	Not Detected
Cannot Sell All	Not Detected
Hidden Owner	Detected
Creator Address	0x300e5986013b20c5167933a4023f4044da90e823
Creator Balance	10,000,000,000 PROP
Owner Address	UNKNOWN
Mint	Not Detected

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.

MANUAL AUDIT

Prop Token

Simple Overview:

a basic **zero tax** ERC20 token with no additional functionalities (no reflections, buybacks, etc)

- Owner is able to blacklist addresses

- Owner is able to pause trades/transfers

- there is not and there wont be any taxes on buying/selling/transfering

- Owner is not able to set any limits on transfering/buying/selling **amounts**

Centralization Risks:

- **High Risk** - Owner is able to pause trades using pause() function, **by using this function no one will be able to trade (buying / selling / transfering) except whitelisted wallets specified by owner.**
  Recommendation:
  give clear explanations about this functionality, or remove it
  Prop Token Team:
  "*we keep it in the there because of spam bots, security, and so many other issues that can happen without this protection in place.*"

- **High Risk** - Owner is able to blacklist an arbitrary address

```
function changeBlocklist(address user, bool status) public
onlyRole(ADMIN_ROLE) {
        blocklist[user] = status;
        emit BlocklistChanged(user, status);
}
```

that blacklisted address will not be able to buy / sell / transfer tokens.
Recommendation:
set an auto blacklist function, or define actions that may lead a wallet to get blacklisted
Prop Token Team:
"*The black listing wallets allows us to stop bad actors from hacking us. It helps protect the treasury and our community.*"

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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DISCLAIMER

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment. Team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document.

Always Do your own research and protect yourselves from being scammed. The Expelee team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools.

Under no circumstances did Expelee receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Always Do your own research and protect yourselves from scams.

This document should not be presented as a reason to buy or not buy any particular token. The Expelee team disclaims any liability for the resulting losses.