



Smart Contract Security Audit

Audit details:

Audited project:	PriceCoin
Deployer address:	0x8C145926b1590520B161a876580BDf88bf69649F
Client contacts:	PriceCoin team
Blockchain:	Ethereum
Project website:	https://www.pricecoin.ai

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 PriceCoin to perform an audit of smart contracts:

- <https://etherscan.io/address/0x29746166eaf410e99eb6e538904efc3a3be145a8#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 25.05.2021.

Contract name:	PRICECoin
Contract address:	0x29746166EAf410E99Eb6E538904eFc3A3bE145a8
Total supply:	1000000000
Token ticker:	PRICE
Decimals:	18
Token holders:	19
Transactions count:	89
Top 100 holders dominance:	100.00%
Contract deployer address:	0x8C145926b1590520B161a876580BDf88bf69649F
Contract's current owner address:	0x8c145926b1590520b161a876580bdf88bf69649f

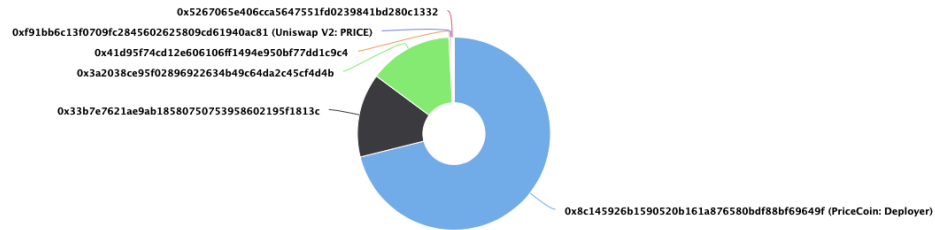
PriceCoin token distribution

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

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 19

PriceCoin Top 100 Token Holders

Source: Etherscan.io



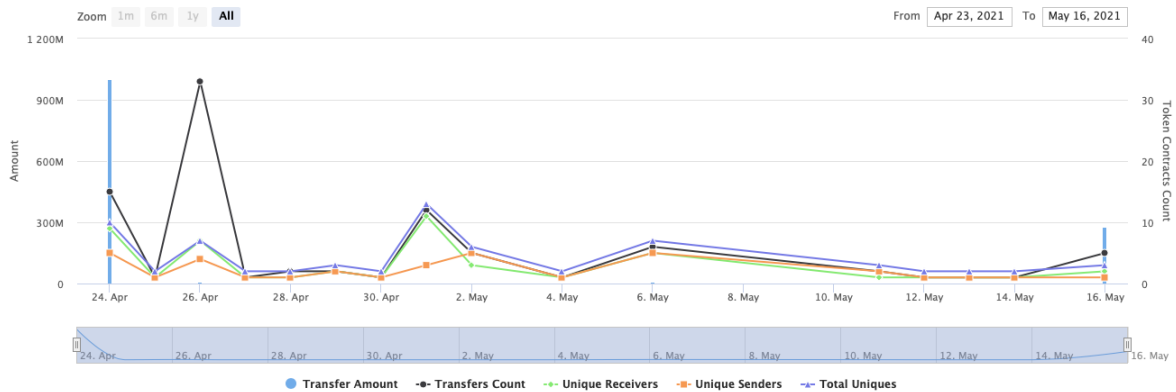
(A total of 1,000,000,000.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000.00 token)

PriceCoin contract interaction details

Time Series: Token Contract Overview

Sat 24, Apr 2021 - Sun 16, May 2021

Token Contract 0x29746166eaf410e99eb6e538904efc3a3be145a8 (PriceCoin)
Source: Etherscan.io



PriceCoin top 10 token holders

Rank	Address	Quantity (Token)	Percentage
1	PriceCoin: Deployer	711,011,935.940816730544324794	71.1012%
2	0x33b7e7621ae9ab18580750753958602195f1813c	140,622,263.712597544035324091	14.0622%
3	0x3a2038ce95f02896922634b49c64da2c45cf4d4b	140,007,833.156057550075488565	14.0008%
4	0x41d95f74cd12e606106ff1494e950bf77dd1c9c4	2,544,813.483738580378553935	0.2545%
5	Uniswap V2: PRICE	2,124,439.481233972704942164	0.2124%
6	0x5267065e406cca5647551fd0239841bd280c1332	1,579,518.919394862898875643	0.1580%
7	Vb	1,000,000	0.1000%
8	0x33a50701da78ddf09b646a5544342dbd4f12903f	1,000,000	0.1000%
9	0xf99f97ef382765512e76841dfb8786f50a95134	27,200	0.0027%
10	0xd572f2486ff87733a4cc3ac81c639ce49ceec054e	10,000	0.0010%

Contract functions details

- + SafeMath
 - [Pub] safeAdd
 - [Pub] safeSub
 - [Pub] safeMul
 - [Pub] safeDiv
- + ERC20Interface
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] allowance
 - [Pub] transfer #
 - [Pub] approve #
 - [Pub] transferFrom #
- + ApproveAndCallFallBack
 - [Pub] receiveApproval #
- + Owned
 - [Pub] <Constructor> #
 - [Pub] transferOwnership #
 - modifiers: onlyOwner
 - [Pub] acceptOwnership #
- + PRICECoin (ERC20Interface, Owned, SafeMath)
 - [Pub] <Constructor> #
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] transfer #
 - [Pub] approve #
 - [Pub] transferFrom #
 - [Pub] allowance
 - [Pub] approveAndCall #
 - [Pub] transferAnyERC20Token #
 - modifiers: onlyOwner

(\$) = 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 (In the period when the owner is not renounced)

- ❑ Owner can transfer tokens from contract to any address

```
// -----  
// Owner can transfer out any accidentally sent ERC20 tokens  
// -----  
function transferAnyERC20Token(address tokenAddress, uint tokens) public onlyOwner returns (bool success) {  
    return IERC20(tokenAddress).transfer(owner, tokens);  
}
```

Conclusion

Smart contracts do not contain high severity issues.

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.