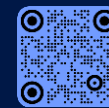




NOVOS

KYC & AUDIT.

Novos is an agency specializing in blockchain technology solutions, Audits, KYC / Doxx.



CERTIFICATE OF COMPLIANCE

Smart Contract Audit by NOVOS



PepeDoge Token

Audit Passed

August 24, 2022

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Audit Summary

This report has been prepared for PepeDoge Token on the DOGECHAIN network. Novos provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Ensuring contract logic meets the specifications and intentions of the client without exposing the user's funds to risk.
- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.
- Thorough line-by-line manual review of the entire codebase by industry experts.



Project Overview

Parameter	Result
Address	0x7B188425491c84f6e49Ddb97eF16Aaa65C5b08EC
Name	PepeDoge
Token Tracker	PD
Decimals	18
Supply	100,000,000,000
Platform	DOGECHAIN
Compiler	v0.8.6+commit.11564f7e
Optimization	True / 200
Other Settings:	default evmVersion
Language	Solidity
Codebase	https://explorer.dogechain.dog/address/0x7B188425491c84f6e49Ddb97eF16Aaa65C5b08EC/contracts
Url	https://pepedogechain.com/

Main Contract Assessed

Name	Contract	Live
PepeDoge	0x7B188425491c84f6e49Ddb97eF16Aaa65C5b08EC	Yes



Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
❖ Unencrypted Private Data On-Chain	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Code With No Effects	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Message call with hardcoded gas amount	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Hash Collisions With Multiple Variable Length Arguments	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unexpected Ether balance	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Presence of unused variables	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Right-To-Left-Override control character (U+202E)	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Typographical Error	✓ Complete	✓ Complete	✓ Low / No Risk
❖ DoS With Block Gas Limit	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Arbitrary Jump with Function Type Variable	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Insufficient Gas Griefing	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Incorrect Inheritance Order	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Write to Arbitrary Storage Location	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Requirement Violation	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Missing Protection against Signature Replay Attacks	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Weak Sources of Randomness from Chain Attributes	✓ Complete	✓ Complete	✓ Low / No Risk





Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
❖ Authorization through tx.origin	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Delegatecall to Untrusted Callee	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Use of Deprecated Solidity Functions	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Assert Violation	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Reentrancy	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unprotected SELFDESTRUCT Instruction	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unprotected Ether Withdrawal	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Unchecked Call Return Value	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Outdated Compiler Version	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Integer Overflow and Underflow	✓ Complete	✓ Complete	✓ Low / No Risk
❖ Function Default Visibility	✓ Complete	✓ Complete	✓ Low / No Risk





Contract Ownership

The contract ownership of PepeDoge is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

01

The current owner is the address `0xaca7d59f8cec7b43fb47179ca42fde0bb55f989f` which can be viewed from: [HERE](#)

02

The owner wallet has the power to call the functions displayed on the privileged functions chart below, if the owner wallet is compromised this privileges could be exploited.

03

We recommend the team to renounce ownership at the right timing if possible, or gradually migrate to a timelock with governing functionalities in respect of transparency and safety considerations.



Important Notes To The Users:



01

```
address public marketingWallet =  
0x730d3DCa4e8e6bE96bC8350638C61D79dBD93026;  
  
address public devWallet =  
0x273845503f78eA7B485662eD23Fd2988E9906c86;  
  
address public teamWallet =  
0x273845503f78eA7B485662eD23Fd2988E9906c86;
```

02

```
bool public antiBotEnabled = false;  
uint256 public antiBotFee = 990;  
uint256 public _startTimeForSwap;
```

03

```
uint256 public marketingPortionOfSwap = 5%;  
uint256 public devPortionOfSwap = 2%;  
uint256 public teamPortionOfSwap = 1,5%;  
uint256 public lpPortionOfSwap = 1,5%;
```

04

```
function _burn(uint256 amount, uint256 currentRate,  
uint256 fee) private {  
  
uint256 tBurn = amount.mul(fee).div(FEES_DIVISOR);  
  
uint256 rBurn = tBurn.mul(currentRate);  
  
burnTokens(address(this), tBurn, rBurn)
```

05

```
function isExcludedFromReward(address account)  
external view returns (bool) {return  
_isExcludedFromRewards[account]}
```

06

```
function isExcludedFromFee(address account) public  
view returns(bool) {return  
_isExcludedFromFee[account]}
```

07

```
function blacklistAddress(address account, bool  
value) internal onlyOwner{_isBlacklisted[account] =  
value;
```

08

```
function prepareForPreSale() internal onlyOwner  
{takeFeeEnabled = false; swapEnabled = false;  
isInPresale = true; maxTxAmount = _totalSupply;  
maxWalletBalance = _totalSupply;
```

09

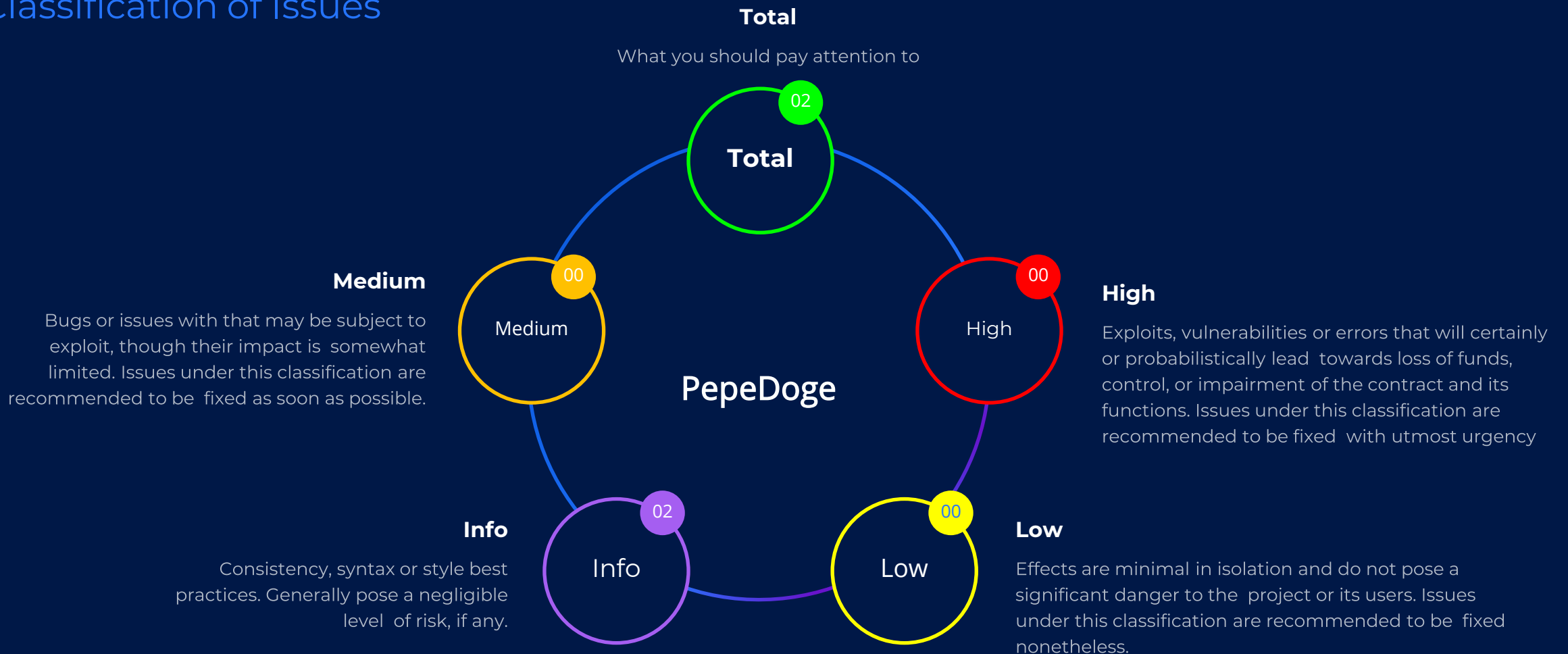
```
function afterPreSale() internal onlyOwner {takeFeeEnabled =  
true; swapEnabled = true; isInPresale = false; maxTxAmount =  
_totalSupply / 100; maxWalletBalance = _totalSupply / 50;
```

10

```
function updateMarketingWallet(address  
newMarketingWallet) internal onlyOwner  
{require(newMarketingWallet != marketingWallet, "The  
Marketing wallet is already this address"); emit  
MarketingWalletUpdated(newMarketingWallet,  
marketingWallet); marketingWallet = newMarketingWallet
```

Technical Findings Summary

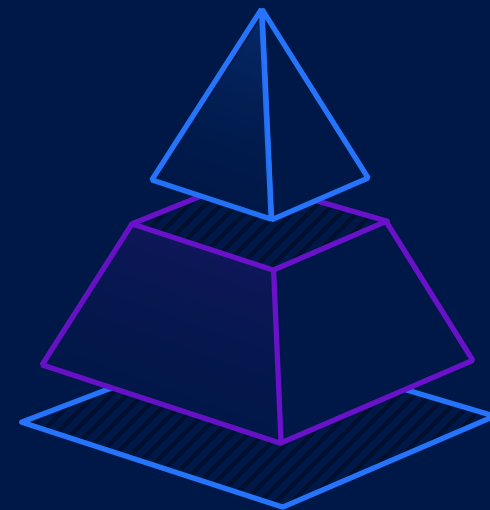
Classification of Issues





Findings

Public function that could be declared external



ID	Severity	Contract	Function
01	Informational	PepeDoge	Functions: size, getKeyAtIndex, getIndexOfKey

Description

Gas Optimization. Public function that could be declared external

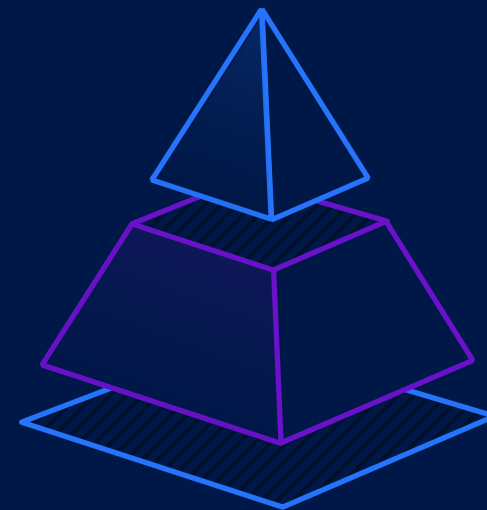
Recommendation

Public functions that are never called by the contract should be declared external to save gas.



Findings

Missing events arithmetic



ID	Severity	Contract	Function
02	Informational	PepeDoge	Missing events for setWalletBalance, setMaxBuyTransaction, setMaxSellTransaction, setSwapTokensAtAmount, setSellTransactionMultiplier

Description

Functions that change critical arithmetic parameters should emit an event.

Recommendation

Emit corresponding events for critical parameter changes.

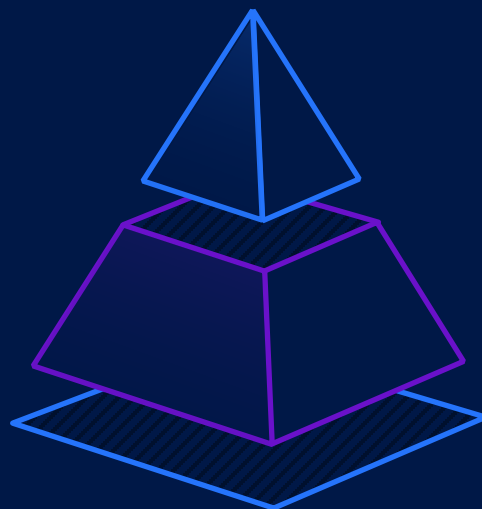


Privileged Functions (onlyOwner & Others)

Function Name	Parameters	Visibility
✓ renounceOwnership	▪ none	▪ external
✓ transferOwnership	▪ address newOwner	▪ public
✓ prepareForPartherOrExchang eListing	▪ address_partnerOrExchangeAddress	▪ external
✓ setWalletBalance	▪ uint256 _maxWalletBalance	▪ external
✓ setMaxBuyTransaction	▪ uint256 _maxTxn	▪ external
✓ setMaxSellTransaction	▪ uint256 _maxTxn	▪ external
✓ updateBusdDividendToken	▪ address _newContract	▪ external
✓ updateMarketingWallet	▪ address _newWallet	▪ external
✓ setSwapTokensAtAmount	▪ uint256 _swapAmount	▪ external
✓ setSellTransactionMultiplier	▪ uint256 _multiplier	▪ external
✓ setTradingIsEnabled	▪ none	▪ external
✓ setBusdDividendEnabled	▪ bool _enabled	▪ external
✓ setMarketingEnabled	▪ bool _enabled	▪ external
✓ setSwapAndLiquifyEnabled	▪ bool _enabled	▪ external
✓ updatebusdDividendTracker	▪ address newAddress	▪ external
✓ updateUniswapV2Router	▪ address newAddress	▪ external

Privileged Functions (onlyOwner & Others)

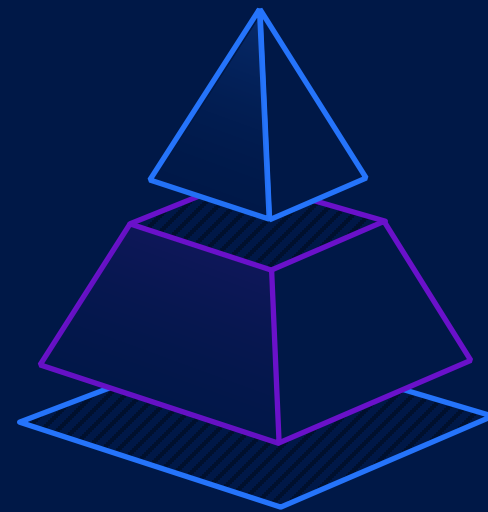
Function Name	Parameters	Visibility
✓ <code>excludeFromFees</code>	▪ <code>address account, bool excluded</code>	▪ public
✓ <code>excludeFromDividend</code>	▪ <code>address account</code>	▪ public
✓ <code>setAutomatedMarketMakerPair</code>	▪ <code>address pair, bool value</code>	▪ external
✓ <code>updateGasForProcessing</code>	▪ <code>uint256 newValue</code>	▪ external
✓ <code>updateMinimumBalanceForDividends</code>	▪ <code>uint256 newMinimumBalance</code>	▪ external
✓ <code>updateClaimWait</code>	▪ <code>uint256 claimWait</code>	▪ external
✓ <code>processDividendTracker</code>	▪ <code>uint256 gas</code>	▪ external





Statistics

Liquidity Info



Parameter	Result
Pair Address	0x5f78b3175bec545bfa76cf861d89997c5af800b9
PD Reserves	0 PD
Reserves, wDoge	0 wDoge
Liquidity Value	\$ 0



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Statistics

Token (PD) Holders Info

Parameter	Result
PD Percentage Burnt	0 %
PD Amount Burnt	0 PD
Top 10 Percentage Own	100 %
Top 10 Amount Owned	100,000,000,000 PD

Token Holders

< Page 1 >

0x273845503f78eA7B485662eD23Fd2988E9906c86

100,000,000,000 PD 100.0000%



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