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AUDIT COMPANY

Smart Contract Security Audit

TechRate

November, 2021

Audit Details

Audited project

PAWN MY NFT

Deployer address

0xb7ec82d494a642deede368d3f76eeaf3ac7e02d0

Client contacts:

PAWN MY NFT team

Blockchain

Binance Smart Chain

Project website:

https://pawnmynft.io/

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 PAWN MY NFT to perform an audit of smart contracts:

https://bscscan.com/address/0xEC43D3153C1f08946fA71cDD3A14Af64fd58f27e#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

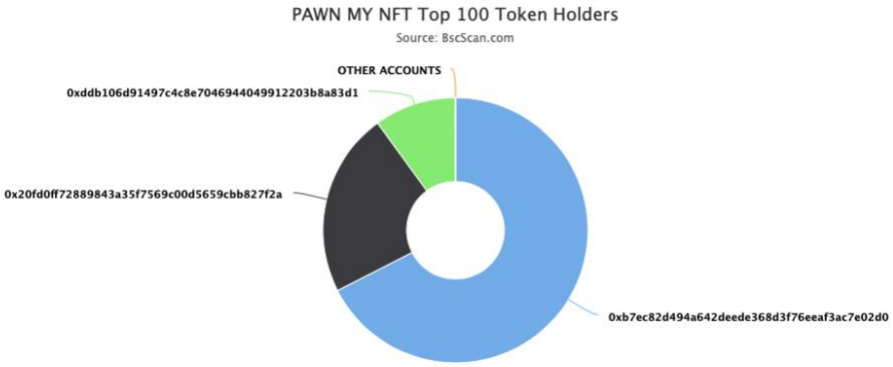
Token contract details for 03.11.2021

Contract name	PAWN MY NFT
Contract address	0xEC43D3153C1f08946fA71cDD3A14Af64fd58f27e
Total supply	1,000,000,000
Token ticker	PNFT
Decimals	9
Token holders	3
Transactions count	3
Top 100 holders dominance	100.00%
Total tax selling	10
Total tax buying	9
Marketing share	10
Uniswap V2 pair	0x52f456774da2b63029bce0cd5fba6674b9c124cb
Contract deployer address	0xb7ec82d494a642deede368d3f76eeaf3ac7e02d0
Contract's current owner address	0xb7ec82d494a642deede368d3f76eeaf3ac7e02d0

PAWN MY NFT Token Distribution

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

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 3

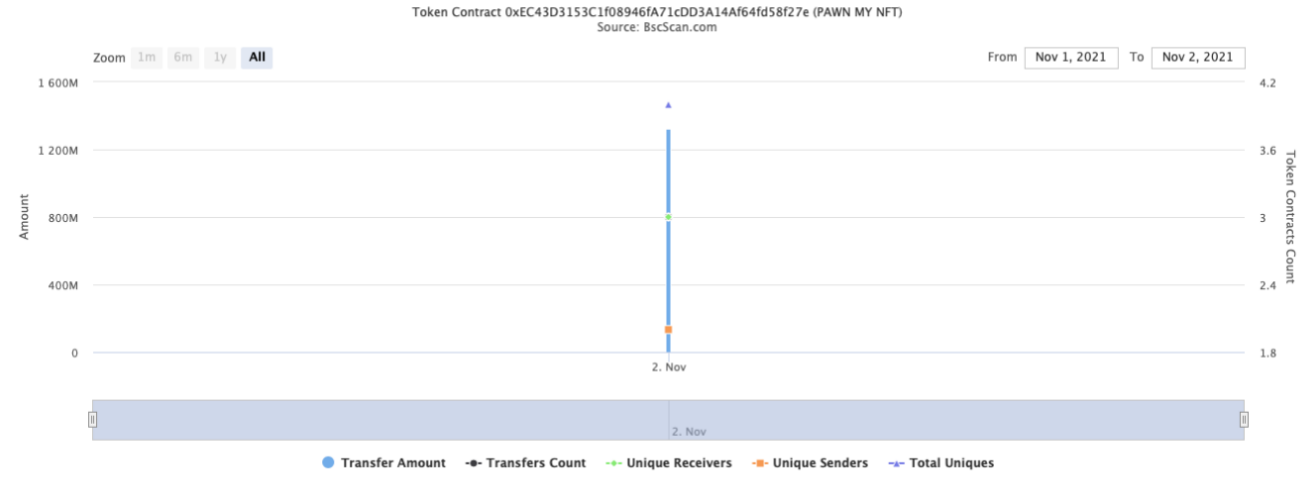


(A total of 1,000,000,000.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000.00 token)

PAWN MY NFT Contract Interaction Details

Time Series: Token Contract Overview

Tue 2, Nov 2021 - Tue 2, Nov 2021



PAWN MY NFT Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0xb7ec82d494a642deede368d3f76eeaf3ac7e02d0	675,000,000	67.5000%
2	0x20fd0ff72889843a35f7569c00d5659cbb827f2a	225,000,000	22.5000%
3	0xddb106d91497c4c8e7046944049912203b8a83d1	100,000,000	10.0000%

Contract functions details

+ Context
  - [Int] _msgSender
  - [Int] _msgData

+ [Int] IERC20
  - [Ext] totalSupply
  - [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

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Prv] _functionCallWithValue #

+ Ownable (Context)
  - [Pub] <Constructor> #
  - [Pub] owner
  - [Pub] waiveOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Pub] getUnlockTime
  - [Pub] getTime
  - [Pub] lock #
    - modifiers: onlyOwner
  - [Pub] unlock #

+ [Int] IUniswapV2Factory
  - [Ext] feeTo
  - [Ext] feeToSetter
  - [Ext] getPair
  - [Ext] allPairs
  - [Ext] allPairsLength
  - [Ext] createPair #

- [Ext] setFeeTo #
- [Ext] setFeeToSetter #

+ [Int] IUniswapV2Pair
- [Ext] name
- [Ext] symbol
- [Ext] decimals
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] allowance
- [Ext] approve #
- [Ext] transfer #
- [Ext] transferFrom #
- [Ext] DOMAIN_SEPARATOR
- [Ext] PERMIT_TYPEHASH
- [Ext] nonces
- [Ext] permit #
- [Ext] MINIMUM_LIQUIDITY
- [Ext] factory
- [Ext] token0
- [Ext] token1
- [Ext] getReserves
- [Ext] price0CumulativeLast
- [Ext] price1CumulativeLast
- [Ext] kLast
- [Ext] burn #
- [Ext] swap #
- [Ext] skim #
- [Ext] sync #
- [Ext] initialize #

+ [Int] IUniswapV2Router01
- [Ext] factory
- [Ext] WETH
- [Ext] addLiquidity #
- [Ext] addLiquidityETH ($)
- [Ext] removeLiquidity #
- [Ext] removeLiquidityETH #
- [Ext] removeLiquidityWithPermit #
- [Ext] removeLiquidityETHWithPermit #
- [Ext] swapExactTokensForTokens #
- [Ext] swapTokensForExactTokens #
- [Ext] swapExactETHForTokens ($)
- [Ext] swapTokensForExactETH #
- [Ext] swapExactTokensForETH #
- [Ext] swapETHForExactTokens ($)
- [Ext] quote
- [Ext] getAmountOut
- [Ext] getAmountIn
- [Ext] getAmountsOut
- [Ext] getAmountsIn

+ [Int] IUniswapV2Router02 (IUniswapV2Router01)
- [Ext] removeLiquidityETHSupportingFeeOnTransferTokens #
- [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens #

```
  - [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens #
  - [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens ($)
  - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #

+ PawnMyNft (Context, IERC20, Ownable)
  - [Pub] <Constructor> #
  - [Pub] name
  - [Pub] symbol
  - [Pub] decimals
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] allowance
  - [Pub] increaseAllowance #
  - [Pub] decreaseAllowance #
  - [Pub] minimumTokensBeforeSwapAmount
  - [Pub] approve #
  - [Prv] _approve #
  - [Pub] setMarketPairStatus #
    - modifiers: onlyOwner
  - [Ext] setIsTxLimitExempt #
    - modifiers: onlyOwner
  - [Pub] setIsExcludedFromFee #
    - modifiers: onlyOwner
  - [Ext] setBuyTaxes #
    - modifiers: onlyOwner
  - [Ext] setSellTaxes #
    - modifiers: onlyOwner
  - [Ext] setDistributionSettings #
    - modifiers: onlyOwner
  - [Ext] setMaxTxAmount #
    - modifiers: onlyOwner
  - [Ext] enableDisableWalletLimit #
    - modifiers: onlyOwner
  - [Ext] setIsWalletLimitExempt #
    - modifiers: onlyOwner
  - [Ext] setWalletLimit #
    - modifiers: onlyOwner
  - [Ext] setNumTokensBeforeSwap #
    - modifiers: onlyOwner
  - [Ext] setMarketingWalletAddress #
    - modifiers: onlyOwner
  - [Ext] setTeamWalletAddress #
    - modifiers: onlyOwner
  - [Pub] setSwapAndLiquifyEnabled #
    - modifiers: onlyOwner
  - [Pub] setSwapAndLiquifyByLimitOnly #
    - modifiers: onlyOwner
  - [Pub] getCirculatingSupply
  - [Prv] transferToAddressETH #
  - [Pub] changeRouterVersion #
    - modifiers: onlyOwner
  - [Ext] <Fallback> ($)
  - [Pub] transfer #
  - [Pub] transferFrom #
  - [Prv] _transfer #
```

- [Int] _basicTransfer #
- [Prv] swapAndLiquify #
  - modifiers: lockTheSwap
- [Prv] swapTokensForEth #
- [Prv] addLiquidity #
- [Int] takeFee #

($) = 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 change the marketing, team and liquidity fees.
- Owner can change the maximum transaction amount.
- Owner can exclude from the fee and maxTX.
- Owner can change marketing and team wallets.
- Owner can change minimum number of tokens before swap.
- Owner can change Uniswap router address.
- Owner can change swap and liquify settings.
- Owner can include in isMarketPair array.
- Owner can enable/disable wallet limit, exclude from it and change this limit value.
- Owner can lock and unlock. By the way, using these functions the owner could retake privileges even after the ownership was renounced.

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope.

Liquidity locking details NOT provided by the team.

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.